

# C4ISR & Cyber Training Catalogue - 2020

For more information on courses offered please visit:  
[www.ncia.nato.int/training](http://www.ncia.nato.int/training)



Version 4.1



Education  
and Training



## Summary of Changes

Version	Description
V1 released TBD	Initial version
V2 2019 Catalogue	
V3 2019 Catalogue Oct (2018)	
V4 2020 Catalogue Nov (2019)	
V4.1 2020 Catalogue Feb (2020)	

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## Introduction from the NCI Academy Business Manager Jean-Paul Massart

Dear customer,

I am proud to present to you the NCI Agency C4ISR and Cyber Training Catalogue. It provides the 300+ course offerings of the NCI Agency, including courses organised by the NCI Agency, but provided by commercial parties. With the opening of the new NCI Academy flagship training delivery site in Oeiras, Portugal, from 2020 onwards, most courses will be delivered by default in Oeiras, Portugal.

This comprehensive catalogue covers in the entire spectrum of NATO-Specific C4ISRCyber, including user, administrator and technical training, as well as courses for military and civilian staff working in more general Communications and Information Systems posts. The Catalogue also explains the procedure for seat allocation as well as the pricing policy and prices for many of the courses. The catalogue is a living document, as the Agency dynamically adjusts its course offerings to accommodate new systems being delivered, systems being phased out, new versions and changing customer requirements.

We look forward to continue serving the best possible NATO C4ISR & Cyber Training.

Sincerely,

A stylized, handwritten signature in black ink, consisting of several loops and a long horizontal stroke.

Jean-Paul Massart  
NCI Academy Business Manager

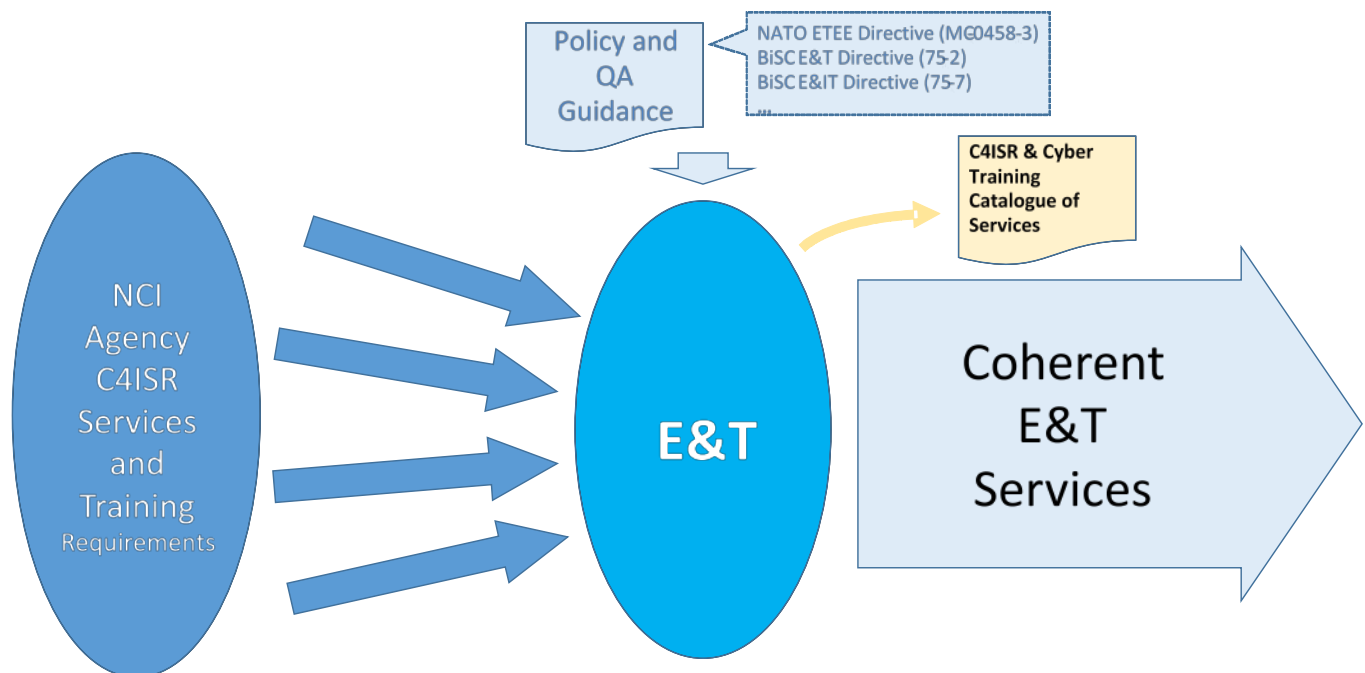
[www.ncia.nato.int/training](http://www.ncia.nato.int/training)  
[training@ncia.nato.int](mailto:training@ncia.nato.int)

## Background and Scope

**Supporting NATO's Digital Endeavour** The NCI Agency is NATO's IT and Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance (C4ISR) provider, including Cyber and Missile Defence. The NCI Agency is a key pillar of NATO Secretary General's Smart Defence and Connected Forces initiatives, where supporting NATO operations is the top priority. In the coming years, the NCI Agency will roll out more than 2 billion Euro worth of NATO technology investments in support of political and military decision makers. Its wide-ranging IT Modernisation Programme will fundamentally reshape NATO's cyber posture, embrace cloud computing, strengthen NATO-wide resilience, enhance information assurance, and increase the mobility and agility of the workforce, all in support of NATO's Digital Endeavour.

NCI Academy is accountable for the provision of Education and Training (E&T) Services to NATO and the Nations. The formation of the NCI Academy provides NATO with a worldclass training capability to maintain its technological advantage. NCI Academy provides individual and collective training on NATO Communications and Information systems (C&I), including AirC2, support to the Military Training and Exercise Programme (MTEP) and assistance to NATO and National Commands preparing for NATO operations. It also provides E&T services for internal Agency staff in support of professional and personal development, and mission (post) specific requirements to ensure that the Agency has the necessary skills to meet customer requirements. The NCI Academy comprises 150 dedicated professionals in Agency locations in Belgium, The Netherlands, Norway and Portugal

### NCI Agency / E&T Value Added to C4ISR Services



The NCI Academy applies the relevant NATO Training Policy and Quality standards in order to achieve a coherent delivery of E&T services across the different agency entities, locations and services.

## Requests for Courses

The most recent and up to date NCI Agency 2020 course catalogue and the course schedule is published at [www.ncia.nato.int/training](http://www.ncia.nato.int/training). Note that this address will be updated soon to reflect the formation of the NCI Academy, at which time you will be informed through separate communication. The catalogue and schedule are updated on a regular basis; please check back for the latest information.

Training will be provided at one of the NCI Academy training facilities or by a mobile training team on-site at the requesting unit. The NCI Academy training facilities include:

- NCI Academy site in Oeiras (PRT);
- NCI Academy element in Mons, (BEL);
- NCI Academy element in The Hague, (NLD). In 2020 this site will have limited availability due to construction work. Courses will be held mainly at the Oeiras site.

The process to request participation in NCI Agency 2020 training is supported through STUDABA (available on unclassified internet) and consists of the following steps:

- All addressed units are requested to check their STUDABA account and nominate a local training coordinator if required.
- Unit Training Coordinators are requested to indicate the training requirements by 12 July 2019, through STUDABA with the following steps:
  - o How many seats will be required for the scheduled course iterations (already planned) through "Seats Request" tab.
  - o Training required by Mobile Training Team (MTT) or on top of/outside scheduled iterations can be addressed using the "Class Request" tab, adding the preferred dates, the location and remarks.

Since the NCI Agency is a customer-funded organisation, courses will be charged to the respective customers. Many courses are prepaid for specific target audiences through Service Level Agreements and other agreements; others require separate contracts with the NCI Agency. A document with indicative course prices is available under the "Courses" tab of the web site as well. Definitive course prices for 2020 will be published later in 2019. Policies applied to the different courses are summarized below:

- Cat A: Prepaid through the 2020 Centralised Service Level Agreement; pricing applied to MTTs for units outside NCS (if available). Note that for mobile training teams to NCS units, travel and (if applicable) per diem for the instructor will be charged to the unit.
- Cat B: Prepaid for SHAPE through SHAPE SLA; pricing applied to seats and MTTs for other units (if available).
- Cat C: Prepaid for NCS through AMDC2 POW; pricing applied to seats and MTTs for units outside NCS (if available).
- CAT D: Pricing applied to seats and MTTs (if available).
- CAT E: Prepaid for specific audiences through other contracts.

In case course seats or iterations are requested which are not covered under overarching contracts, the NCI Agency will contact the respective customer training coordinators to provide a Rough Order of Magnitude cost estimate and to initiate development of a contract for course delivery in 2020. Detailed arrangements related to courses provided in yearly contracts are described in the Annex to this document.

The STUDABA User Guide is available at the web site mentioned above. Further coordination of the training requests and communication on NCI Agency courses will be with the local training coordinators. Please provide any updates for names and e-mail addresses of training coordinators to [training@ncia.nato.int](mailto:training@ncia.nato.int). This e-mail address is also available for questions on the bidding process.

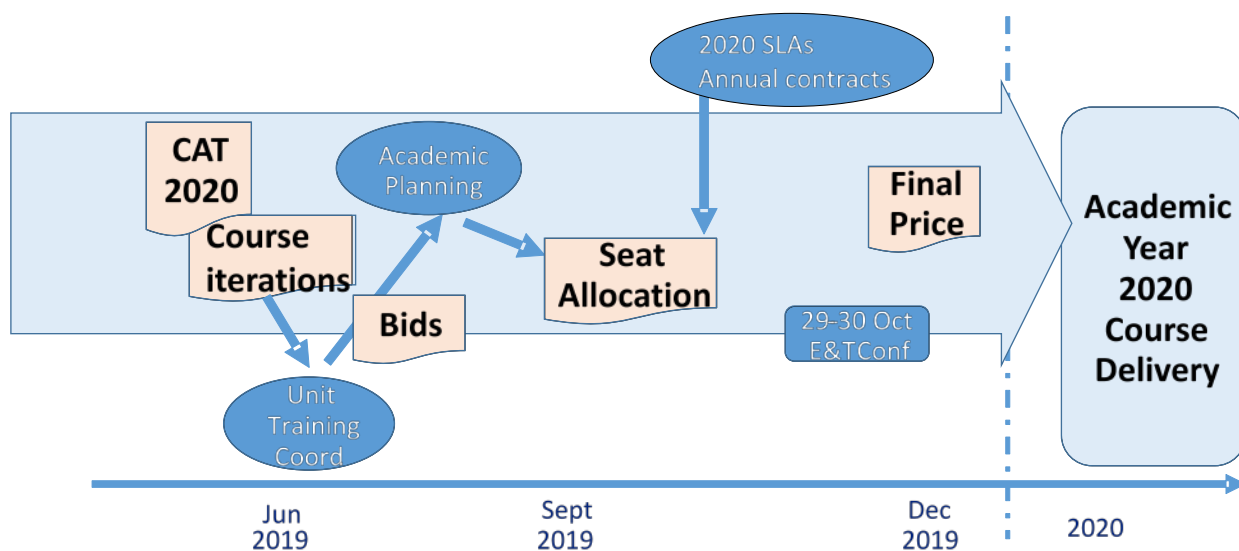
## Prioritisation

For most courses, requests for students filling or preparing for posts in NATO Command Structure units will be prioritised.

As a secondary prioritisation mechanism, the following applies:

- Priority 1;  
Course directly supports NATO operations
- Priority 2;  
Course directly supports NATO Exercises and NRF rotation cycle
- Priority 3;  
Course covers the required skills for a position within NATO HQs/Entities (as identified in the job description)
- Priority 4;  
Course supports NATO staff's professional development/National staff requirements.

## NCI Agency Academic Planning 2020



## Education and Training Conference

The NCI Agency has held its 4th NCIA Education & Training Conference on 29-30 October 2019 at the NCI Academy site in Oeiras, Portugal. Further information will be shared via the NCI Academy portal.

## Contact

All questions and requests related to this catalogue and NCI Agency training in general can be addressed to

[training@ncia.nato.int](mailto:training@ncia.nato.int)

Please visit [www.ncia.nato.int/training](http://www.ncia.nato.int/training) for more information



Course ID	Title	Location	Course Length
A0004	Crypto Administration	Oeiras (PRT)	5
A0006	CARDS for NATO Crypto Custodian	Oeiras (PRT)	5
A0022	Deployable Optical Fibre Cable for ANDSF	Oeiras (PRT)	10
A0023	Deployable Optical Fibre Cable	Oeiras (PRT)	10
A0024	Long Range DLOS Operator/Technician	Oeiras (PRT)	5
A0025	Short Range DLOS Operator/Technician	Oeiras (PRT)	10
A0029	TACSAT Combined Basic/TADM	Oeiras (PRT)	10
A0032	NATO SGS/SGT SAC Operator Maintainer	Oeiras (PRT)	15
A0037	UHF TACSAT Basic	Oeiras (PRT)	5
A0038	UHF TACSAT Applications & Data Base Manager	Oeiras (PRT)	5
A0040	NATO X-Band DSGT Operator Level 1	Oeiras (PRT)	10
A0041	NATO X-Band DSGT Operator Level 2	Oeiras (PRT)	5
A0042	BBSST Operator	Oeiras (PRT)	5
A0043	NATO X-Band TSGT G3 Operator Level 1	Oeiras (PRT)	10
A0045	NATO Ku-Band VSAT Operator	Oeiras (PRT)	5
A0047	NATO X-Band UTSAT Operator	Mobile Training Team	5
A0048	NNCCRS SSO/ADMIN	Oeiras (PRT)	5
A0050	NATO HF Operator	Oeiras (PRT)	10
A0051	NATO DART+ Operator	Mobile Training Team	5
A0052	NATO X-Band TSGT G3 Operator Level 2	Oeiras (PRT)	5
A0056	NATO TLK/ILK Operator	Mobile Training Team	5
A0067	NATO COMSEC System Engineering	Oeiras (PRT)	10
A0095	NATO Voice over IP Foundation	Oeiras (PRT)	10
A0097	NATO Call Manager & Voice over Secure IP (VoSIP)	Oeiras (PRT)	10
A0101	NATO C4ISR Orientation for Officers	Oeiras (PRT)	5
A0103	NATO C4ISR Orientation for NCOs	Oeiras (PRT)	5
A0104	NATO CIS Planning	Oeiras (PRT)	5
A0130	NATO C4ISR Orientation for Partner Officers	Oeiras (PRT)	5
A0160	Allied Information Flow System (AIFS) Administrator	Oeiras (PRT)	10
A0161	Allied Information Flow System (AIFS) Operator/Shift Supervisor	Oeiras (PRT)	5
A0180	Radio Frequency Spectrum Management and Tools for NATO Operations and Exercises	Oeiras (PRT)	10
A0181	Spectrum Management for NATO and Partners	Oeiras (PRT)	5
A0182	Spectrum Management for NATO	Oeiras (PRT)	5
A0188	Spectrum Management Basics (SMB) for ANDSF	Mobile Training Team	10
A0191	Spectrum Management Intermediate (SMI) for ANDSF	Mobile Training Team	10
A0192	Spectrum Management Advanced (SMA) for ANDSF	Mobile Training Team	10
A0193	Spectrum XXI Basics (SXXIB) for ANDSF	Mobile Training Team	10
A0194	Spectrum XXI Intermediate (SXXII) for ANDSF	Mobile Training Team	10
A0195	Spectrum XXI Advanced (SXXIA) for ANDSF	Mobile Training Team	10
A0196	Spectrum Analyser Basics (SAB) for ANDSF	Mobile Training Team	10
A0197	Spectrum Analyser Intermediate (SAI) for ANDSF	Mobile Training Team	10
A0198	Spectrum Analyser Advanced (SAA) for ANDSF	Mobile Training Team	10
A0220	Allied Deployment and Movements System (ADAMS) Staff Officer	Oeiras (PRT)	5
A0221	Allied Commands Resource Optimisation Software System (ACROSS) Operator	Oeiras (PRT)	10
A0222	Coalition Reception, Staging and Onward Movement (CORSOM) Operator	Oeiras (PRT)	5
A0223	Effective Visible Execution (EVE) Operator	Oeiras (PRT)	5





Course ID	Title	Location	Course Length
A0224	Allied Deployment and Movements System (ADAMS) Basic Operator	Oeiras (PRT)	10
A0225	Allied Deployment and Movements System (ADAMS) Advanced Operator	Oeiras (PRT)	5
A0226	Logistics Reporting (LOGREP) Operator	Oeiras (PRT)	5
A0227	Logistics Reporting (LOGREP) Train the Trainer	Oeiras (PRT)	5
A0236	NATO Networking Infrastructure (CCNA R&S)	Oeiras (PRT)	25
A0237	Interconnecting Cisco Networking Devices (ICND 1 & 2)	Oeiras (PRT)	10
A0244	NATO HD VTC Facilitator	Oeiras (PRT)	5
A0245	NATO VTC Control Centre Operator	Oeiras (PRT)	10
A0251	Logistic Functional Areas Services (LOGFAS) Staff Officer	Oeiras (PRT)	5
A0252	Effective Visible Execution (EVE) Manager	Oeiras (PRT)	5
A0253	Sustainment Planning Module (SPM), Supply Distribution Model (SDM) Operator	Oeiras (PRT)	5
A0254	Logistic Functional Area Services (LOGFAS) Fundamentals & Basic Data Operator	Oeiras (PRT)	5
A0255	Logistic Functional Area Services (LOGFAS) System Administrator and Manager	Oeiras (PRT)	5
A0264	TOPFAS System Administrator	Oeiras (PRT)	5
A0265	TOPFAS OPT for User	Oeiras (PRT)	5
A0266	TOPFAS SAT for User	Oeiras (PRT)	5
A0267	TOPFAS CAT for User	Oeiras (PRT)	5
A0270	NATO MCCIS Orientation & User	Oeiras (PRT)	5
A0271	NATO MCCIS RMP Operator	Oeiras (PRT)	10
A0273	NATO MCCIS Site Administrator	Oeiras (PRT)	10
A0275	NATO MCCIS Waterspace Management	Oeiras (PRT)	5
A0277	NATO MCCIS RMP Supervisor	Oeiras (PRT)	5
A0280	Cyber Defence NATO CIS Security Officer	Oeiras (PRT)	5
A0285	TOPFAS OPT Train the Trainer	Oeiras (PRT)	5
A0286	TOPFAS SAT Train the Trainer	Oeiras (PRT)	5
A0287	TOPFAS CAT Train the Trainer	Oeiras (PRT)	5
A0288	TOPFAS for Advanced User-Functional Manager	Oeiras (PRT)	5
A0300	Geo Basics Level 1	Oeiras (PRT)	5
A0301	Geo Basics Level 2	Oeiras (PRT)	5
A0302	Geo Scenario	Oeiras (PRT)	10
A0304	ORACLE Junior DBA	Oeiras (PRT)	5
A0305	ORACLE Database Administrator	Oeiras (PRT)	5
A0310	Core GIS Servers	Oeiras (PRT)	5
A0311	NATO Data Centre Virtualization	Oeiras (PRT)	5
A0450	LC2IS End User	Oeiras (PRT)	5
A0451	LC2IS Information Management	Oeiras (PRT)	5
A0452	LC2IS Train the Trainer End User	Mobile Training Team	5
A0600	AIFS Pre-study (ADL)	ADL	1
A0601	SATCOM Basic (ADL)	ADL	1
A0602	Maritime FAS Pre-study (ADL)	ADL	1
A0603	MCCIS Pre-study (ADL)	ADL	1
A0606	Digital Communication (ADL)	ADL	1
A0607	Public Key Infrastructure Pre-study (ADL)	ADL	1
A0609	MCCIS Advanced (ADL)	ADL	1
A0610	X-Band (ADL)	ADL	1
A0612	DCIS Network Engineering Pre-study (ADL)	ADL	1
A0613	Dragonfly Familiarization (ADL)	ADL	1



Course ID	Title	Location	Course Length
A0650	CCENT (ICND1) On-Line	DBL	20
A0710	NCOP User	Oeiras (PRT)	0.5
A0711	NCOP Advanced User	Oeiras (PRT)	0.5
A0712	NCOP Data Contributor User	Oeiras (PRT)	0.5
A0730	NATO Cyber Defence Advisor	Oeiras (PRT)	5
A0731	Cyber Defence NATO COMPUSEC Level 1	Oeiras (PRT)	5
A0732	Cyber Defence NATO COMPUSEC Level 2	Oeiras (PRT)	5
A0735	Cyber Defence Operations & Planning	Oeiras (PRT)	5
A0740	CISCO Cybersecurity Fundamentals	Oeiras (PRT)	5
A0741	CISCO Cyber Security Operations	Oeiras (PRT)	5
A0750	Information Security Management	Oeiras (PRT)	5
A0752	Software and Applications Security	Oeiras (PRT)	5
A0753	Digital Forensics	Oeiras (PRT)	5
A0754	Social Engineering	Oeiras (PRT)	5
A0755	Digital Crime and Investigation	Oeiras (PRT)	5
A0756	Cyberspace and Cyber Operations Legal Framework	Oeiras (PRT)	5
A0757	Penetration Testing and Ethical Hacking	Oeiras (PRT)	5
A0758	Cyber-Intelligence and Situational Awareness	Oeiras (PRT)	5
A0759	Protection of Critical Infrastructures and Systems	Oeiras (PRT)	5
A0760	Cybersecurity and Cyberdefense capability Development	Oeiras (PRT)	5
A0761	Cyberspace Crisis Management Exercises and Scenarios Development	Oeiras (PRT)	5
A0762	Risk and Incident Management	Oeiras (PRT)	5
A0763	Information Warfare	Oeiras (PRT)	5
A0765	Digital Leadership and Team Management	Oeiras (PRT)	5
A0840	NRF DCIS Deployment Training	Mobile Training Team	3
A0850	IMCD Operator	Mobile Training Team	3
A0859	NRF Major PoP Technology Uplift	Mobile Training Team	5
A0870	Afloat Command Platform (ACP)	Mobile Training Team	3
A0901	CALI IS Administrator	Oeiras (PRT)	10
A0902	CALI ComS Operator	Oeiras (PRT)	10
A0903	NATO CALI DSGT Operator	Oeiras (PRT)	10
A0910	NRF DCIS (Dragonfly) IS System and Service Desk	Oeiras (PRT)	10
A0912	NRF DCIS (Dragonfly) ComS Operator	Oeiras (PRT)	10
A0915	NATO DCIS ComS Engineering	Oeiras (PRT)	10
A0916	Mini PoP Operator	Oeiras (PRT)	5
A0917	MiniPoP Familiarisation	Mobile Training Team	3
A0920	DCIS Service Management & Control Foundation	Oeiras (PRT)	5
A0921	DCIS Service Management & Control Administration	Oeiras (PRT)	5
A0922	DCIS Service Management & Control Engineering	Oeiras (PRT)	5
A0930	CES Collaboration Services Engineering	Oeiras (PRT)	5
A0932	DCIS CES Voice Technician	Oeiras (PRT)	5
A0960	DCIS IS Engineering	Oeiras (PRT)	5
A0961	NATO Deployable IS Administrator	Oeiras (PRT)	10
A0962	NATO Deployable IS Administrator for PfP	Oeiras (PRT)	10
A0969	Federated Mission Network Planning	Oeiras (PRT)	5
A0970	NATO CIS Technical Instructor	Oeiras (PRT)	5
A0971	Methods of CIS Course Development for NATO	Oeiras (PRT)	5



Course ID	Title	Location	Course Length
A0972	NATO Deployable IS Service Helpdesk	Mobile Training Team	5
A1000	Combined NISP ICC System Administrator (CNIC)	Oeiras (PRT)	10
A1001	Windows ICC System Administrator (WICC)	Oeiras (PRT)	5
A1002	ACCS System Manager	Oeiras (PRT)	15
A1003	ACCS Security Officer	Oeiras (PRT)	5
A1004	ACCS Communication Manager	Mobile Training Team	10
A1006	NISP System Administrator (NISP)	Oeiras (PRT)	5
A1007	JTS/FAST System Administrator (JTS)	Oeiras (PRT)	5
A1008	ACCS-ICC interface Administration (ACCS-ICC)	Oeiras (PRT)	5
A1010	ASIM System Administrator (ASIM)	Oeiras (PRT)	3
A1011	MASE - MICE CONSOLE MIGRATION (MMC)	Oeiras (PRT)	5
A1012	NIRIS SYSTEM ADMINISTRATOR (NIR)	Oeiras (PRT)	5
A1013	AirC2IS User	The Hague (NLD)	5
A1014	AirC2IS System Administrator	The Hague (NLD)	3
A1015	Integrated Training Capability (ITC) Technical Control Officer (TCO)	Oeiras (PRT)	5
A1016	ACCS Data Manager	Oeiras (PRT)	5
A1017	SSSB Operator	The Hague (NLD)	5
A1018	SSSB Technicians Administrator	The Hague (NLD)	5
A1019	SSSB Train the Trainers	The Hague (NLD)	5
A1020	Link 11	The Hague (NLD)	3
A1021	Link 22	The Hague (NLD)	3
A1023	Open System Communication Control Administrator	The Hague (NLD)	3
A1024	SSSB Scripting Course (Basic and Advanced)	The Hague (NLD)	5
A1025	Situational Awareness with AirC2IS	The Hague (NLD)	2
A1026	Portal and Data Management of AirC2IS	The Hague (NLD)	3
A1027	BMD Planning with AirC2IS	The Hague (NLD)	3
A1028	NIRIS SYSTEM ADMINISTRATOR UPDATE (NIR-UP)	Mobile Training Team	2
A2501	SHAPE IM Foundation Course	Mons (BEL)	2
A2502	MS-Publisher 2016	Mons (BEL)	1
A2518	MS-SharePoint 2013 User	Mons (BEL)	0.5
A2519	MS-SharePoint 2013 Func Admin	Mons (BEL)	2
A2522	MS-Windows 10 User	Mons (BEL)	1
A2525	SHAPE CIS Coordinators	Mons (BEL)	1
A2526	SHAPE CIS Introduction	Mons (BEL)	0.5
A2528	MS-Excel 2016 User	Mons (BEL)	1
A2529	MS-Excel 2016 Advanced User	Mons (BEL)	1
A2530	MS-PowerPoint 2016 User	Mons (BEL)	1
A2531	MS-PowerPoint 2016 Advanced User	Mons (BEL)	1
A2532	MS-Outlook 2016 User	Mons (BEL)	1
A2533	MS-Outlook 2016 Advanced User	Mons (BEL)	1
A2534	MS-Word 2016 User	Mons (BEL)	1
A2535	MS-Word 2016 Advanced User	Mons (BEL)	1
A2536	Tasker Tracker + (TT+)	Mons (BEL)	0.5
A2537	EDMS - Enterprise Document Management System User	Mons (BEL)	0.5
A2538	EDMS - Functional Administrator	Mons (BEL)	1
A2539	TT+ - Functional Administrator	Mons (BEL)	1
A3000	PRINCE2 Foundation & Practitioner Certification Exam Preparation	Mons (BEL)	5



Course ID	Title	Location	Course Length
A3001	MSP Practitioner Certification Exam Prep	Mons (BEL)	5
A3002	Project Management Professional (PMP) Exam Prep	Mons (BEL)	5
A3003	ITIL 4 Foundation Certification Training	Mons (BEL)	3
A3004	ITIL Intermediate: Service Strategy (SS)	Mons (BEL)	3
A3005	ITIL Intermediate: Service Design (SD)	Mons (BEL)	3
A3006	ITIL Intermediate: Service Transition (ST)	Mons (BEL)	3
A3007	ITIL Intermediate: Service Operation (SO)	Mons (BEL)	3
A3008	ITIL Intermediate: Continual Service Improvement (CSI)	Mons (BEL)	3
A3009	ITIL Intermediate: Operational Support and Analysis (OSA)	Mons (BEL)	5
A3010	ITIL Intermediate: Service Offerings and Agreements (SOA)	Mons (BEL)	5
A3011	ITIL Intermediate: Release, Control and Validation (RCV)	Mons (BEL)	5
A3012	ITIL Intermediate: Planning, Protection and Optimisation (PPO)	Mons (BEL)	5
A3013	ITIL Managing Across the Lifecycle Qualification (MALC) Qualification	Mons (BEL)	5
A3014	COBIT 5 Foundation	Mons (BEL)	3
A3016	SharePoint 2010 Technologies Introduction	Mons (BEL)	4
A3017	SharePoint Designer 2010: Building Applications & Workflows	Mons (BEL)	4
A3018	Administering SharePoint Server 2010	Mons (BEL)	4
A3019	Microsoft Project Introduction	Mons (BEL)	3
A3020	Deploying and Managing Windows 7	Mons (BEL)	4
A3022	Administering Windows Server 2012	Mons (BEL)	5
A3024	Deploying VMware vSphere	Mons (BEL)	4
A3025	Certified Ethical Hacker (CEH) Certification Exam Preparation	Mons (BEL)	5
A3026	Digital Forensics Training: Tools and Techniques	Mons (BEL)	5
A3027	Vulnerability Assessment Training: Protecting Your Organisation	Mons (BEL)	4
A3028	Project Management Training: Skills for Success	Mons (BEL)	4
A3029	Introduction to System and Network Security	Mons (BEL)	4
A3030	Influence Skills Training: Getting Results without Direct Authority	Mons (BEL)	4
A3031	Core Solutions of Microsoft SharePoint Server 2013	Mons (BEL)	5
A3032	Core Solutions of Microsoft Exchange Server 2013	Mons (BEL)	5
A3033	Achieving ITIL Practitioner Certification	Mons (BEL)	2
A3034	Certified Information Systems Security Professional (CISSP) Certification Exam Preparation	Mons (BEL)	5
A3036	Introduction to Cloud Computing	Mons (BEL)	3
A3037	Agile Programme Management Foundation	Mons (BEL)	2
A3039	McAfee VirusScan and ePolicy Administrator	Mons (BEL)	4
A3040	Configuring Advanced Windows Server 2012 Services	Mons (BEL)	5
A3041	Automating Administration with PowerShell	Mons (BEL)	5
A3042	Advanced Automated Administration with PowerShell	Mons (BEL)	3
A3043	Agile Project Management Training for Practitioner & Foundation Certification	Mons (BEL)	5
A3044	Firewall: Manage Cyberthreats	Mons (BEL)	2
A3045	Introduction to SQL Language	Mons (BEL)	3
A3046	Network Configuration and Troubleshooting	Mons (BEL)	4
A3047	Penetration Testing Training: Tools and Techniques	Mons (BEL)	4
A3048	Defending the Perimeter from Cyber Attacks	Mons (BEL)	4
A3049	Endpoint Security and Network Access Control	Mons (BEL)	4
A3050	Advanced Persistent Threats: Targeted Attacks & Defences	Mons (BEL)	4
A3051	CompTIA A+ Certification Exam Preparation	Mons (BEL)	5



Course ID	Title	Location	Course Length
A3052	CompTIA Security+ Certification Exam Preparation	Mons (BEL)	5
A3056	Implementing Cisco Network Security	Mons (BEL)	5
A3057	Implementing Cisco IP Routing v2.0	Mons (BEL)	5
A3058	Implementing Cisco IP Switched Networks v2.0	Mons (BEL)	5
A3059	Troubleshooting and Maintaining Cisco IP Networks v2.0	Mons (BEL)	5
A3060	CCNA Bootcamp	Mons (BEL)	8
A3061	Crystal Reports	Mons (BEL)	4
A3062	Advanced Solutions of Microsoft SharePoint 2013	Mons (BEL)	5
A3063	Developing SharePoint Server 2013 Core Solutions	Mons (BEL)	5
A3064	Planning and Administering SharePoint 2016	Mons (BEL)	5
A3065	Advanced Solutions of Microsoft Exchange Server 2013	Mons (BEL)	5
A3066	Querying Microsoft SQL Server 2014	Mons (BEL)	5
A3067	Administering Microsoft SQL Server 2014 Databases	Mons (BEL)	5
A3068	Implementing a Data Warehouse with Microsoft SQL Server 2014	Mons (BEL)	5
A3069	Developing Microsoft SQL Server 2014 Databases	Mons (BEL)	5
A3070	Designing Solutions for Microsoft SQL Server 2014	Mons (BEL)	3
A3071	Implementing Data Models and Reports with Microsoft SQL Server 2014	Mons (BEL)	5
A3072	Designing Business Intelligence Solutions with Microsoft SQL Server 2014	Mons (BEL)	5
A3073	PMI-Agile Certified Practitioner (PMI-ACP) Exam Prep	Mons (BEL)	3
A3074	Interconnecting Cisco Network Devices Part 1	Mons (BEL)	5
A3075	Interconnecting Cisco Network Devices Part 2	Mons (BEL)	5
A3076	ISTQB Certified Tester: Foundation Certification Exam Prep	Mons (BEL)	3
A3079	VMware vSphere: Install, Configure, Manage (V6.5)	Mons (BEL)	5
A3080	Preparing for TOGAF Certification	Mons (BEL)	4
A3082	CA Spectrum r10.1: Foundations 200	Mons (BEL)	5
A3083	Emotional Intelligence: Achieving Leadership Success	Mons (BEL)	3
A3084	Certified in Risk and Information Systems Control (CRISC) Exam Preparation	Mons (BEL)	4
A3085	Cyber Security Risk Assessment & Management	Mons (BEL)	4
A3086	Certified Asset Management Professional (CAMP)	DBL	2
A3088	McAfee Data Loss Prevention Endpoint Administration (11.0)	Mons (BEL)	4
A3089	Certified Cloud Security Professional Training and Certification Exam Preparation	Mons (BEL)	5
A3090	Lean Six Sigma: Yellow Belt	Mons (BEL)	2
A3091	International Requirements Engineering Board Foundation Level (IREB)	Mons (BEL)	3
A3092	Management of Risk: Foundation & Practitioner	Mons (BEL)	5
A3093	Certified Hardware Asset Management Professional (CHAMP)	Mons (BEL)	2
A3094	ISTQB Advanced Test Manager Certificate	Mons (BEL)	5
A3096	Lean Six Sigma: Green Belt	Mons (BEL)	2
A3097	Virtualization Technologies Introduction	Mons (BEL)	4
A3098	Security Essentials Bootcamp Style Self Study Online	ADL	1
A3100	Leading and Managing Virtual Teams	Mons (BEL)	2
A3101	Introduction to IDEA Data Analysis	Mons (BEL)	2
A3102	Intermediate Use of IDEA Data Analysis	Mons (BEL)	2
A3104	Certified Information Security Manager (CISM) Exam Preparation	Mons (BEL)	4
A3105	Advanced meeting techniques & negotiation skills	Mons (BEL)	4
A3106	Windows 10 Client: Installation & Configuration	Mons (BEL)	5
A3107	Microsoft Networking and Security Fundamentals	Mons (BEL)	5
A3108	Managing MDT client deployments in a Microsoft Windows Server Environment	Mons (BEL)	3





Course ID	Title	Location	Course Length
A3109	Implementing an Advanced Server Infrastructure	TBC	5
A3110	Firewall Essentials: Configuration and Management	Mons (BEL)	5
A3111	Firewall: Optimizing Firewall Threat Prevention	TBC	4
A3113	CompTIA Network+	Mons (BEL)	5
A3114	Firewall Essentials: Configuration and Management	TBC	5
A3115	Panorama 8.1: Manage Firewalls At Scale	TBC	1
A3116	Firewall 8.1. Essentials: Configuration and Management e-learning	ADL	1
A3117	Windows Server 2012 Hyper-V Virtualisation	Mons (BEL)	5
A3118	Networks Panorama 8.1: Managing Firewalls at Scale	Mons (BEL)	2
A3119	Firewall 8.1: Troubleshooting	Mons (BEL)	3
A3120	Firewall 7.1: Configure Extended Features	TBC	2
A4000	CCT200 SATCOM Terminal NATO Mission Iraq (NMI) Operator	Mobile Training Team	5
A5002	MEL/MIL	The Hague (NLD)	2.8
A5003	Training Objective Management Module (TOMM)	The Hague (NLD)	1
A5004	JEMM Data Administrator	The Hague (NLD)	2
A5006	Joint Exercise Management Module (JEMM) system administrator	The Hague (NLD)	2
A9001	JChat User	The Hague (NLD)	0.5
A9002	JChat Client Administrator	The Hague (NLD)	0.5
A9003	JChat FAS Manager	The Hague (NLD)	0.5
A9004	JChat Openfire Server Administrator	The Hague (NLD)	3
A9005	JChat M-Link Server Administrator	The Hague (NLD)	3
A9006	JChat Combined Openfire Server and JChat Client Administrator	The Hague (NLD)	4
A9007	NATO Land Command and Control Information Services (LC2IS) System Administrator	The Hague (NLD)	4.5
A9008	Functional Area Service for dynamic and time-sensitive Targeting (FAST) User Course	Oeiras (PRT)	3
A9009	Integrated Command and Control (ICC) Data Manager	Oeiras (PRT)	5
A9010	Integrated Command and Control (ICC) User	Oeiras (PRT)	5
A9011	Joint Targeting System (JTS) User	Oeiras (PRT)	4
A9012	JChat Combined M-LINK Server and Client Administrator	The Hague (NLD)	4
A9014	NATO Use of IBM Analyst-s Notebook User	Oeiras (PRT)	3
A9015	J2X Intelligence Systems	Oeiras (PRT)	2
A9026	Intelligence Functional Service (INTEL-FS) Basic User	Mobile Training Team	2
A9027	Intelligence Functional Service (INTEL-FS) Battle Space Objects (BSO) Management	Mobile Training Team	1
A9030	Intelligence Collection Management Tool (ICMT)	Mobile Training Team	2.5
A9032	Intelligence Functional Service (INTEL-FS) Organisational Node Administration (ONA)	Mobile Training Team	0.5
A9033	JOCWatch User	The Hague (NLD)	0.5
A9034	JOCWatch Maintainer	The Hague (NLD)	0.5
A9035	JOCWatch Administrator	Oeiras (PRT)	4
A9036	iGeoSIT End User	The Hague (NLD)	2
A9037	iGeoSIT System Administration	The Hague (NLD)	4
A9039	Allied Command Europe Open Source System (AOSS)	Mobile Training Team	0.5
A9040	iGeoSIT Geospatial Server Management	The Hague (NLD)	1
A9041	iGeoSIT Combined End-User and System Administration	The Hague (NLD)	5
A9042	Combined Situational Awareness Functional Area Services for CTE/exercise	Mons (BEL)	5
A9044	NATO Intelligence Functional Areas Services Training (NIFST)	Mobile Training Team	4
A9045	Functional Areas Services (FAS) Overview	Mobile Training Team	4

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Course ID	Title	Discipline
A1000	Combined NISP ICC System Administrator (CNIC)	Air Operations (Air Ops)
A1001	Windows ICC System Administrator (WICC)	Air Operations (Air Ops)
A1002	ACCS System Manager	Air Operations (Air Ops)
A1003	ACCS Security Officer	Air Operations (Air Ops)
A1004	ACCS Communication Manager	Air Operations (Air Ops)
A1006	NISP System Administrator (NISP)	Air Operations (Air Ops)
A1007	JTS/FAST System Administrator (JTS)	Air Operations (Air Ops)
A1008	ACCS-ICC interface Administration (ACCS-ICC)	Air Operations (Air Ops)
A1010	ASIM System Administrator (ASIM)	Air Operations (Air Ops)
A1011	MASE - MICE CONSOLE MIGRATION (MMC)	Air Operations (Air Ops)
A1012	NIRIS SYSTEM ADMINISTRATOR (NIR)	Air Operations (Air Ops)
A1013	AirC2IS User	Air Operations (Air Ops)
A1014	AirC2IS System Administrator	Air Operations (Air Ops)
A1015	Integrated Training Capability (ITC) Technical Control Officer (TCO)	Air Operations (Air Ops)
A1016	ACCS Data Manager	Air Operations (Air Ops)
A1017	SSSB Operator	Air Operations (Air Ops)
A1018	SSSB Technicians Administrator	Air Operations (Air Ops)
A1019	SSSB Train the Trainers	Air Operations (Air Ops)
A1020	Link 11	Air Operations (Air Ops)
A1021	Link 22	Air Operations (Air Ops)
A1023	Open System Communication Control Administrator	Air Operations (Air Ops)
A1024	SSSB Scripting Course (Basic and Advanced)	Air Operations (Air Ops)
A1025	Situational Awareness with AirC2IS	Air Operations (Air Ops)
A1026	Portal and Data Management of AirC2IS	Air Operations (Air Ops)
A1027	BMD Planning with AirC2IS	Air Operations (Air Ops)
A1028	NIRIS SYSTEM ADMINISTRATOR UPDATE (NIR-UP)	Air Operations (Air Ops)
A9009	Integrated Command and Control (ICC) Data Manager	Air Operations (Air Ops)
A9010	Integrated Command and Control (ICC) User	Air Operations (Air Ops)
A0004	Crypto Administration	Consultation, Command and Control (CCC)
A0006	CARDS for NATO Crypto Custodian	Consultation, Command and Control (CCC)
A0022	Deployable Optical Fibre Cable for ANDSF	Consultation, Command and Control (CCC)
A0023	Deployable Optical Fibre Cable	Consultation, Command and Control (CCC)
A0024	Long Range DLOS Operator/Technician	Consultation, Command and Control (CCC)
A0025	Short Range DLOS Operator/Technician	Consultation, Command and Control (CCC)
A0029	TACSAT Combined Basic/TADM	Consultation, Command and Control (CCC)
A0032	NATO SGS/SGT SAC Operator Maintainer	Consultation, Command and Control (CCC)
A0037	UHF TACSAT Basic	Consultation, Command and Control (CCC)
A0038	UHF TACSAT Applications & Data Base Manager	Consultation, Command and Control (CCC)
A0040	NATO X-Band DSGT Operator Level 1	Consultation, Command and Control (CCC)
A0041	NATO X-Band DSGT Operator Level 2	Consultation, Command and Control (CCC)
A0042	BBSST Operator	Consultation, Command and Control (CCC)
A0043	NATO X-Band TSGT G3 Operator Level 1	Consultation, Command and Control (CCC)
A0045	NATO Ku-Band VSAT Operator	Consultation, Command and Control (CCC)
A0047	NATO X-Band UTSAT Operator	Consultation, Command and Control (CCC)
A0048	NNCCRS SSO/ADMIN	Consultation, Command and Control (CCC)
A0050	NATO HF Operator	Consultation, Command and Control (CCC)



Course ID	Title	Discipline
A0051	NATO DART+ Operator	Consultation, Command and Control (CCC)
A0052	NATO X-Band TSGT G3 Operator Level 2	Consultation, Command and Control (CCC)
A0056	NATO TLK/ILK Operator	Consultation, Command and Control (CCC)
A0067	NATO COMSEC System Engineeringg	Consultation, Command and Control (CCC)
A0095	NATO Voice over IP Foundation	Consultation, Command and Control (CCC)
A0097	NATO Call Manager & Voice over Secure IP (VoSIP)	Consultation, Command and Control (CCC)
A0101	NATO C4ISR Orientation for Officers	Consultation, Command and Control (CCC)
A0103	NATO C4ISR Orientation for NCOs	Consultation, Command and Control (CCC)
A0104	NATO CIS Planning	Consultation, Command and Control (CCC)
A0130	NATO C4ISR Orientation for Partner Officers	Consultation, Command and Control (CCC)
A0160	Allied Information Flow System (AIFS) Administrator	Consultation, Command and Control (CCC)
A0161	Allied Information Flow System (AIFS) Operator/Shift Supervisor	Consultation, Command and Control (CCC)
A0180	Radio Frequency Spectrum Management and Tools for NATO Operations and Exercises	Consultation, Command and Control (CCC)
A0181	Spectrum Management for NATO and Partners	Consultation, Command and Control (CCC)
A0182	Spectrum Management for NATO	Consultation, Command and Control (CCC)
A0188	Spectrum Management Basics (SMB) for ANDSF	Consultation, Command and Control (CCC)
A0191	Spectrum Management Intermediate (SMI) for ANDSF	Consultation, Command and Control (CCC)
A0192	Spectrum Management Advanced (SMA) for ANDSF	Consultation, Command and Control (CCC)
A0193	Spectrum XXI Basics (SXXIB) for ANDSF	Consultation, Command and Control (CCC)
A0194	Spectrum XXI Intermediate (SXXII) for ANDSF	Consultation, Command and Control (CCC)
A0195	Spectrum XXI Advanced (SXXIA) for ANDSF	Consultation, Command and Control (CCC)
A0196	Spectrum Analyser Basics (SAB) for ANDSF	Consultation, Command and Control (CCC)
A0197	Spectrum Analyser Intermediate (SAI) for ANDSF	Consultation, Command and Control (CCC)
A0198	Spectrum Analyser Advanced (SAA) for ANDSF	Consultation, Command and Control (CCC)
A0236	NATO Networking Infrastructure (CCNA R&S)	Consultation, Command and Control (CCC)
A0237	Interconnecting Cisco Networking Devices (ICND 1 & 2)	Consultation, Command and Control (CCC)
A0244	NATO HD VTC Facilitator	Consultation, Command and Control (CCC)
A0245	NATO VTC Control Centre Operator	Consultation, Command and Control (CCC)
A0304	ORACLE Junior DBA	Consultation, Command and Control (CCC)
A0305	ORACLE Database Administrator	Consultation, Command and Control (CCC)
A0311	NATO Data Centre Virtualization	Consultation, Command and Control (CCC)
A0600	AIFS Pre-study (ADL)	Consultation, Command and Control (CCC)
A0601	SATCOM Basic (ADL)	Consultation, Command and Control (CCC)
A0602	Maritime FAS Pre-study (ADL)	Consultation, Command and Control (CCC)
A0603	MCCIS Pre-study (ADL)	Consultation, Command and Control (CCC)
A0606	Digital Communication (ADL)	Consultation, Command and Control (CCC)
A0607	Public Key Infrastructure Pre-study (ADL)	Consultation, Command and Control (CCC)
A0609	MCCIS Advanced (ADL)	Consultation, Command and Control (CCC)
A0610	X-Band (ADL)	Consultation, Command and Control (CCC)
A0612	DCIS Network Engineeringg Pre-study (ADL)	Consultation, Command and Control (CCC)
A0613	Dragonfly Familiarization (ADL)	Consultation, Command and Control (CCC)
A0650	CCENT (ICND1) On-Line	Consultation, Command and Control (CCC)
A0710	NCOP User	Consultation, Command and Control (CCC)
A0711	NCOP Advanced User	Consultation, Command and Control (CCC)
A0712	NCOP Data Contributor User	Consultation, Command and Control (CCC)
A0840	NRF DCIS Deployment Training	Consultation, Command and Control (CCC)
A0850	IMCD Operator	Consultation, Command and Control (CCC)



Course ID	Title	Discipline
A0859	NRF Major PoP Technology Uplift	Consultation, Command and Control (CCC)
A0870	Afloat Command Platform (ACP)	Consultation, Command and Control (CCC)
A0901	CALI IS Administrator	Consultation, Command and Control (CCC)
A0902	CALI ComS Operator	Consultation, Command and Control (CCC)
A0903	NATO CALI DSGT Operator	Consultation, Command and Control (CCC)
A0910	NRF DCIS (Dragonfly) IS System and Service Desk	Consultation, Command and Control (CCC)
A0912	NRF DCIS (Dragonfly) ComS Operator	Consultation, Command and Control (CCC)
A0915	NATO DCIS ComS Engineeringg	Consultation, Command and Control (CCC)
A0916	Mini PoP Operator	Consultation, Command and Control (CCC)
A0917	MiniPoP Familiarisation	Consultation, Command and Control (CCC)
A0920	DCIS Service Management & Control Foundation	Consultation, Command and Control (CCC)
A0921	DCIS Service Management & Control Administration	Consultation, Command and Control (CCC)
A0922	DCIS Service Management & Control Engineeringg	Consultation, Command and Control (CCC)
A0930	CES Collaboration Services Engineeringg	Consultation, Command and Control (CCC)
A0932	DCIS CES Voice Technician	Consultation, Command and Control (CCC)
A0960	DCIS IS Engineeringg	Consultation, Command and Control (CCC)
A0961	NATO Deployable IS Administrator	Consultation, Command and Control (CCC)
A0962	NATO Deployable IS Administrator for PfP	Consultation, Command and Control (CCC)
A0972	NATO Deployable IS Service Helpdesk	Consultation, Command and Control (CCC)
A4000	CCT200 SATCOM Terminal NATO Mission Iraq (NMI) Operator	Consultation, Command and Control (CCC)
A9001	JChat User	Consultation, Command and Control (CCC)
A9002	JChat Client Administrator	Consultation, Command and Control (CCC)
A9003	JChat FAS Manager	Consultation, Command and Control (CCC)
A9004	JChat Openfire Server Administrator	Consultation, Command and Control (CCC)
A9005	JChat M-Link Server Administrator	Consultation, Command and Control (CCC)
A9006	JChat Combined Openfire Server and JChat Client Administrator	Consultation, Command and Control (CCC)
A9012	JChat Combined M-LINK Server and Client Administrator	Consultation, Command and Control (CCC)
A9033	JOCWatch User	Consultation, Command and Control (CCC)
A9034	JOCWatch Maintainer	Consultation, Command and Control (CCC)
A9035	JOCWatch Administrator	Consultation, Command and Control (CCC)
A9037	iGeoSIT System Administration	Consultation, Command and Control (CCC)
A9040	iGeoSIT Geospatial Server Management	Consultation, Command and Control (CCC)
A9041	iGeoSIT Combined End-User and System Administration	Consultation, Command and Control (CCC)
A9042	Combined Situational Awareness Functional Area Services for CTE/exercise	Consultation, Command and Control (CCC)
A9045	Functional Areas Services (FAS) Overview	Consultation, Command and Control (CCC)
A9046	NATO Common Operational Picture (NCOP) User	Consultation, Command and Control (CCC)
A9047	NATO Common Operational Picture (NCOP) COP Manager	Consultation, Command and Control (CCC)
A9048	NATO Common Operational Picture (NCOP) Combined User and COP Manager	Consultation, Command and Control (CCC)
A9049	NATO Common Operational Picture (NCOP) FAS Administrator	Consultation, Command and Control (CCC)
A9050	NATO Common Operational Picture (NCOP) System Administrator	Consultation, Command and Control (CCC)
A9051	NATO Common Operational Picture (NCOP) Combined COP Manager and FAS Administrator	Consultation, Command and Control (CCC)
A9053	NATO Common Operational Picture (NCOP) Train the Trainer Operational User	Consultation, Command and Control (CCC)
A9073	JTS/FAST Combined User Course	Consultation, Command and Control (CCC)
A0730	NATO Cyber Defence Advisor	Cyberspace Operation (Cyber)
A0731	Cyber Defence NATO COMPUSEC Level 1	Cyberspace Operation (Cyber)
A0732	Cyber Defence NATO COMPUSEC Level 2	Cyberspace Operation (Cyber)





Course ID	Title	Discipline
A0735	Cyber Defence Operations & Planning	Cyberspace Operation (Cyber)
A0740	CISCO Cybersecurity Fundamentals	Cyberspace Operation (Cyber)
A0741	CISCO Cyber Security Operations	Cyberspace Operation (Cyber)
A0750	Information Security Management	Cyberspace Operation (Cyber)
A0752	Software and Applications Security	Cyberspace Operation (Cyber)
A0753	Digital Forensics	Cyberspace Operation (Cyber)
A0754	Social Engineeringg	Cyberspace Operation (Cyber)
A0755	Digital Crime and Investigation	Cyberspace Operation (Cyber)
A0756	Cyberspace and Cyber Operations Legal Framework	Cyberspace Operation (Cyber)
A0757	Penetration Testing and Ethical Hacking	Cyberspace Operation (Cyber)
A0758	Cyber-Intelligence and Situational Awareness	Cyberspace Operation (Cyber)
A0759	Protection of Critical Infrastructures and Systems	Cyberspace Operation (Cyber)
A0760	Cybersecurity and Cyberdefense capability Development	Cyberspace Operation (Cyber)
A0761	Cyberspace Crisis Management Exercises and Scenarios Development	Cyberspace Operation (Cyber)
A0762	Risk and Incident Management	Cyberspace Operation (Cyber)
A0763	Information Warfare	Cyberspace Operation (Cyber)
A0765	Digital Leadership and Team Management	Cyberspace Operation (Cyber)
A3025	Certified Ethical Hacker (CEH) Certification Exam Preparation	Cyberspace Operation (Cyber)
A3026	Digital Forensics Training: Tools and Techniques	Cyberspace Operation (Cyber)
A3027	Vulnerability Assessment Training: Protecting Your Organisation	Cyberspace Operation (Cyber)
A3098	Security Essentials Bootcamp Style Self Study Online	Cyberspace Operation (Cyber)
A0280	Cyber Defence NATO CIS Security Officer	CyberspaceOperation (Cyber)
A0970	NATO CIS Technical Instructor	Education, Training, Exercises and Evaluation (ETEE)
A0971	Methods of CIS Course Development for NATO	Education, Training, Exercises and Evaluation (ETEE)
A5002	MEL/MIL	Education, Training, Exercises and Evaluation (ETEE)
A5003	Training Objective Management Module (TOMM)	Education, Training, Exercises and Evaluation (ETEE)
A5004	JEMM Data Administrator	Education, Training, Exercises and Evaluation (ETEE)
A5006	Joint Exercise Management Module (JEMM) system administrator	Education, Training, Exercises and Evaluation (ETEE)
A0969	Federated Mission Network Planning	Federated Mission Networking (FMN)
A0300	Geo Basics Level 1	Intelligence (Intel)
A0301	Geo Basics Level 2	Intelligence (Intel)
A0302	Geo Scenario	Intelligence (Intel)
A0310	Core GIS Servers	Intelligence (Intel)
A9014	NATO Use of IBM Analyst-s Notebook User	Intelligence (Intel)
A9015	J2X Intelligence Systems	Intelligence (Intel)
A9026	Intelligence Functional Service (INTEL-FS) Basic User	Intelligence (Intel)
A9027	Intelligence Functional Service (INTEL-FS) Battle Space Objects (BSO) Management	Intelligence (Intel)
A9030	Intelligence Collection Management Tool (ICMT)	Intelligence (Intel)
A9032	Intelligence Functional Service (INTEL-FS) Organisational Node Administration (ONA)	Intelligence (Intel)
A9036	iGeoSIT End User	Intelligence (Intel)
A9039	Allied Command Europe Open Source System (AOSS)	Intelligence (Intel)
A9044	NATO Intelligence Functional Areas Services Training (NIFST)	Intelligence (Intel)
A9061	Intelligence Functional Service (INTEL-FS) Intelligence Request Management	Intelligence (Intel)



Course ID	Title	Discipline
A9064	Intelligence Functional Service (INTEL-FS) System Administrator	Intelligence (Intel)
A9008	Functional Area Service for dynamic and time-sensitive Targeting (FAST) User Course	Joint Targeting (Joint Targeting)
A9011	Joint Targeting System (JTS) User	Joint Targeting (Joint Targeting)
A0450	LC2IS End User	Land Operations (Land Ops)
A0451	LC2IS Information Management	Land Operations (Land Ops)
A0452	LC2IS Train the Trainer End User	Land Operations (Land Ops)
A9007	NATO Land Command and Control Information Services (LC2IS) System Administrator	Land Operations (Land Ops)
A0220	Allied Deployment and Movements System (ADAMS) Staff Officer	Logistics (Log)
A0221	Allied Commands Resource Optimisation Software System (ACROSS) Operator	Logistics (Log)
A0222	Coalition Reception, Staging and Onward Movement (CORSOM) Operator	Logistics (Log)
A0223	Effective Visible Execution (EVE) Operator	Logistics (Log)
A0224	Allied Deployment and Movements System (ADAMS) Basic Operator	Logistics (Log)
A0225	Allied Deployment and Movements System (ADAMS) Advanced Operator	Logistics (Log)
A0226	Logistics Reporting (LOGREP) Operator	Logistics (Log)
A0227	Logistics Reporting (LOGREP) Train the Trainer	Logistics (Log)
A0251	Logistic Functional Areas Services (LOGFAS) Staff Officer	Logistics (Log)
A0252	Effective Visible Execution (EVE) Manager	Logistics (Log)
A0253	Sustainment Planning Module (SPM), Supply Distribution Model (SDM) Operator	Logistics (Log)
A0254	Logistic Functional Area Services (LOGFAS) Fundamentals & Basic Data Operator	Logistics (Log)
A0255	Logistic Functional Area Services (LOGFAS) System Administrator and Manager	Logistics (Log)
A9070	ITSM Overview	Logistics (Log)
A9071	ITSM-Operational Processes (Incident and Problem Management)	Logistics (Log)
A9072	ITSM-Transitional Processes (Request Fulfilment and Change Management)	Logistics (Log)
A0270	NATO MCCIS Orientation & User	Maritime Operations (Mar Ops)
A0271	NATO MCCIS RMP Operator	Maritime Operations (Mar Ops)
A0273	NATO MCCIS Site Administrator	Maritime Operations (Mar Ops)
A0275	NATO MCCIS Waterspace Management	Maritime Operations (Mar Ops)
A0277	NATO MCCIS RMP Supervisor	Maritime Operations (Mar Ops)
A2501	SHAPE IM Foundation Course	N/A
A2502	MS-Publisher 2016	N/A
A2518	MS-SharePoint 2013 User	N/A
A2519	MS-SharePoint 2013 Func Admin	N/A
A2522	MS-Windows 10 User	N/A
A2525	SHAPE CIS Coordinators	N/A
A2526	SHAPE CIS Introduction	N/A
A2528	MS-Excel 2016 User	N/A
A2529	MS-Excel 2016 Advanced User	N/A
A2530	MS-PowerPoint 2016 User	N/A
A2531	MS-PowerPoint 2016 Advanced User	N/A
A2532	MS-Outlook 2016 User	N/A
A2533	MS-Outlook 2016 Advanced User	N/A
A2534	MS-Word 2016 User	N/A
A2535	MS-Word 2016 Advanced User	N/A
A2536	Tasker Tracker + (TT+)	N/A
A2537	EDMS - Enterprise Document Management System User	N/A
A2538	EDMS - Functional Administrator	N/A
A2539	TT+ - Functional Administrator	N/A



Course ID	Title	Discipline
A3000	PRINCE2 Foundation & Practitioner Certification Exam Preparation	N/A
A3001	MSP Practitioner Certification Exam Prep	N/A
A3002	Project Management Professional (PMP) Exam Prep	N/A
A3003	ITIL 4 Foundation Certification Training	N/A
A3004	ITIL Intermediate: Service Strategy (SS)	N/A
A3005	ITIL Intermediate: Service Design (SD)	N/A
A3006	ITIL Intermediate: Service Transition (ST)	N/A
A3007	ITIL Intermediate: Service Operation (SO)	N/A
A3008	ITIL Intermediate: Continual Service Improvement (CSI)	N/A
A3009	ITIL Intermediate: Operational Support and Analysis (OSA)	N/A
A3010	ITIL Intermediate: Service Offerings and Agreements (SOA)	N/A
A3011	ITIL Intermediate: Release, Control and Validation (RCV)	N/A
A3012	ITIL Intermediate: Planning, Protection and Optimisation (PPO)	N/A
A3013	ITIL Managing Across the Lifecycle Qualification (MALC) Qualification	N/A
A3014	COBIT 5 Foundation	N/A
A3016	SharePoint 2010 Technologies Introduction	N/A
A3017	SharePoint Designer 2010: Building Applications & Workflows	N/A
A3018	Administering SharePoint Server 2010	N/A
A3019	Microsoft Project Introduction	N/A
A3020	Deploying and Managing Windows 7	N/A
A3022	Administering Windows Server 2012	N/A
A3024	Deploying VMware vSphere	N/A
A3028	Project Management Training: Skills for Success	N/A
A3029	Introduction to System and Network Security	N/A
A3030	Influence Skills Training: Getting Results without Direct Authority	N/A
A3031	Core Solutions of Microsoft SharePoint Server 2013	N/A
A3032	Core Solutions of Microsoft Exchange Server 2013	N/A
A3033	Achieving ITIL Practitioner Certification	N/A
A3034	Certified Information Systems Security Professional (CISSP) Certification Exam Preparation	N/A
A3036	Introduction to Cloud Computing	N/A
A3037	Agile Programme Management Foundation	N/A
A3039	McAfee VirusScan and ePolicy Administrator	N/A
A3040	Configuring Advanced Windows Server 2012 Services	N/A
A3041	Automating Administration with PowerShell	N/A
A3042	Advanced Automated Administration with PowerShell	N/A
A3043	Agile Project Management Training for Practitioner & Foundation Certification	N/A
A3044	Firewall: Manage Cyberthreats	N/A
A3045	Introduction to SQL Language	N/A
A3046	Network Configuration and Troubleshooting	N/A
A3047	Penetration Testing Training: Tools and Techniques	N/A
A3048	Defending the Perimeter from Cyber Attacks	N/A
A3049	Endpoint Security and Network Access Control	N/A
A3050	Advanced Persistent Threats: Targeted Attacks & Defences	N/A
A3051	CompTIA A+ Certification Exam Preparation	N/A
A3052	CompTIA Security+ Certification Exam Preparation	N/A
A3056	Implementing Cisco Network Security	N/A



Course ID	Title	Discipline
A3057	Implementing Cisco IP Routing v2.0	N/A
A3058	Implementing Cisco IP Switched Networks v2.0	N/A
A3059	Troubleshooting and Maintaining Cisco IP Networks v2.0	N/A
A3060	CCNA Bootcamp	N/A
A3061	Crystal Reports	N/A
A3062	Advanced Solutions of Microsoft SharePoint 2013	N/A
A3063	Developing SharePoint Server 2013 Core Solutions	N/A
A3064	Planning and Administering SharePoint 2016	N/A
A3065	Advanced Solutions of Microsoft Exchange Server 2013	N/A
A3066	Querying Microsoft SQL Server 2014	N/A
A3067	Administering Microsoft SQL Server 2014 Databases	N/A
A3068	Implementing a Data Warehouse with Microsoft SQL Server 2014	N/A
A3069	Developing Microsoft SQL Server 2014 Databases	N/A
A3070	Designing Solutions for Microsoft SQL Server 2014	N/A
A3071	Implementing Data Models and Reports with Microsoft SQL Server 2014	N/A
A3072	Designing Business Intelligence Solutions with Microsoft SQL Server 2014	N/A
A3073	PMI-Agile Certified Practitioner (PMI-ACP) Exam Prep	N/A
A3074	Interconnecting Cisco Network Devices Part 1	N/A
A3075	Interconnecting Cisco Network Devices Part 2	N/A
A3076	ISTQB Certified Tester: Foundation Certification Exam Prep	N/A
A3079	VMware vSphere: Install, Configure, Manage (V6.5)	N/A
A3080	Preparing for TOGAF Certification	N/A
A3082	CA Spectrum r10.1: Foundations 200	N/A
A3083	Emotional Intelligence: Achieving Leadership Success	N/A
A3084	Certified in Risk and Information Systems Control (CRISC) Exam Preparation	N/A
A3085	Cyber Security Risk Assessment & Management	N/A
A3086	Certified Asset Management Professional (CAMP)	N/A
A3088	McAfee Data Loss Prevention Endpoint Administration (11.0)	N/A
A3089	Certified Cloud Security Professional Training and Certification Exam Preparation	N/A
A3090	Lean Six Sigma: Yellow Belt	N/A
A3091	International Requirements Engineering Board Foundation Level (IREB)	N/A
A3092	Management of Risk: Foundation & Practitioner	N/A
A3093	Certified Hardware Asset Management Professional (CHAMP)	N/A
A3094	ISTQB Advanced Test Manager Certificate	N/A
A3096	Lean Six Sigma: Green Belt	N/A
A3097	Virtualization Technologies Introduction	N/A
A3100	Leading and Managing Virtual Teams	N/A
A3101	Introduction to IDEA Data Analysis	N/A
A3102	Intermediate Use of IDEA Data Analysis	N/A
A3104	Certified Information Security Manager (CISM) Exam Preparation	N/A
A3105	Advanced meeting techniques & negotiation skills	N/A
A3106	Windows 10 Client: Installation & Configuration	N/A
A3107	Microsoft Networking and Security Fundamentals	N/A
A3108	Managing MDT client deployments in a Microsoft Windows Server Environment	N/A
A3109	Implementing an Advanced Server Infrastructure	N/A
A3110	Firewall Essentials: Configuration and Management	N/A
A3111	Firewall: Optimizing Firewall Threat Prevention	N/A



Course ID	Title	Discipline
A3113	CompTIA Network+	N/A
A3114	Firewall Essentials: Configuration and Management	N/A
A3115	Panorama 8.1: Manage Firewalls At Scale	N/A
A3116	Firewall 8.1. Essentials: Configuration and Management e-learning	N/A
A3117	Windows Server 2012 Hyper-V Virtualisation	N/A
A3118	Networks Panorama 8.1: Managing Firewalls at Scale	N/A
A3119	Firewall 8.1: Troubleshooting	N/A
A3120	Firewall 7.1: Configure Extended Features	N/A
A9065	Functional Areas Services (FAS) Level 1 Support Workshop: Group D, E	N/A
A0264	TOPFAS System Administrator	Operational Planning, Operations Assessment and Alternative Analysis (Ops Plng, Ops Assess &
A0265	TOPFAS OPT for User	Operational Planning, Operations Assessment and Alternative Analysis (Ops Plng, Ops Assess &
A0266	TOPFAS SAT for User	Operational Planning, Operations Assessment and Alternative Analysis (Ops Plng, Ops Assess &
A0267	TOPFAS CAT for User	Operational Planning, Operations Assessment and Alternative Analysis (Ops Plng, Ops Assess &
A0285	TOPFAS OPT Train the Trainer	Operational Planning, Operations Assessment and Alternative Analysis (Ops Plng, Ops Assess &
A0286	TOPFAS SAT Train the Trainer	Operational Planning, Operations Assessment and Alternative Analysis (Ops Plng, Ops Assess &
A0287	TOPFAS CAT Train the Trainer	Operational Planning, Operations Assessment and Alternative Analysis (Ops Plng, Ops Assess &
A0288	TOPFAS for Advanced User-Functional Manager	Operational Planning, Operations Assessment and Alternative Analysis (Ops Plng, Ops Assess &
A9067	eFGMT Functional Manager	Operational Planning, Operations Assessment and Alternative Analysis (Ops Plng, Ops Assess &
A9068	eFGMT Practitioner	Operational Planning, Operations Assessment and Alternative Analysis (Ops Plng, Ops Assess &



# Crypto Administration

Course ID

A0004

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

To provide military and civilian personnel with knowledge and skills required to perform as Cryptographic Custodian of a NATO Crypto account. Emphasis will be on Policies and Procedures used within Allied Command Operations (ACO) and SECAN Doctrine and Information Publication (SDIP). This course provides the basic knowledge for Crypto Administration. To become a fully certified NATO Crypto Custodian the students need to complete the course "NATO Crypto Custodian & CARDS" (Course 0006).

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

- Apply the rules for NATO Crypto Management and Administration;
- Apply the procedures for NATO Crypto Custodian duties with emphases on day-to-day manning;
- Establish and maintain a local Crypto Account in accordance with prescribed ACO and SDIP documentation;
- Handling of NATO Electronic Fill Devices and loading procedures on selected End Crypto Units;
- Receiving of electronic keys using OTAD/OTAT (Over the air distribution / transfer) procedures.

## Qualification

Crypto Administrator

## Student Criteria

The student must be:

- Selected for an assignment to an account that possesses NATO Crypto material;
- Has met the background knowledge prerequisites for this course;
- Has at least one year of retain ability.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OR6,OF3,OR9,OR4,OR8,OR3,Civilian Equivalent,OR7,OF2,OR5

## Special Instructions

The students have to provide an appointment letter or equivalent from their unit commander, which states the date of

(foreseen) appointment.

## Security Clearance

NATO SECRET (NS)

## Pre-Course Study Material

- Latest ACO Directive 70/1- Latest SDIP 293

## Background

Working Knowledge of the ACO SECURITY DIRECTIVE 070-001 and SECAN Doctrine and Information Publication 293/1.

## Prerequisite Course

N/A

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

## CARDS for NATO Crypto Custodian

Course ID

A0006

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

To provide military and civilian personnel with knowledge and skills required to perform as NATO Cryptographic Custodian or Alternate of a NATO Crypto Account using the automated CARDS system for Crypto Administration. Emphasis will be on Policies and Procedures used within NCI Agency and Allied Command Operations (ACO), including handling and managing procedures for a NATO Crypto Account using CARDS.

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

- Apply the procedures for NATO Crypto Custodian duties with emphasis on CARDS (COMSEC Accounting Reporting Distribution System);
- Establish and maintain a local CARDS Account in accordance with prescribed NCI Agency CSSL Documentation;
- Download/load electronic keys in different End Crypto Units using NATO Electronic Fill devices;
- Apply the rules for the NATO Electronic Key Management System and procedures;
- Use of EKM-Sheet for management of NATO Electronic Fill devices.

## Qualification

NATO Crypto Custodian - CARDS

## Student Criteria

The candidate must be:

- Selected for an assignment to an NATO Crypto account;
- Has met the background knowledge prerequisites for this course;
- Has at least one year of retainability.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OR6,OF3,OR9,OR4,OR8,OR3,Civilian Equivalent,OR7,OF2,OR5

## Special Instructions

The students have to provide an appointment letter from their units or equivalent, which states the date of (foreseen) appointment.

\*NCISS Course No. 0004 is mandatory prior to this course.

## Security Clearance

NATO SECRET (NS)

## Pre-Course Study Material

\*NCISS Course No. 0004 is mandatory prior to this course.

Course Modules are available on NCI Agency CSSL NSWAN SharePoint.

## Background

The student must be familiar with the use of a graphical user interface (GUI) such as MS Windows.  
Working Knowledge of the NCI Agency Directive 90-9, ACO SECURITY DIRECTIVE 070-001 and SECAN Doctrine and Information Publication 293/1.

## Prerequisite Course

Crypto Administration

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

# Deployable Optical Fibre Cable for ANDSF

Course ID

A0022

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Oeiras (PRT)

Minimum Class Size: 5

Maximum Class Size: 10

Course Length (working days): 10

## Purpose of Course

The purpose of the course is to provide Afghan National Defence and Security Forces (ANDSF) personnel with the basic skills to perform:

- Fibre optic related duties with knowledge of the required safety procedures;
- The installation and maintenance of indoor and outdoor fibre optical networks;
- The installation and maintenance of indoor and outdoor fibre optic connections;
- The main fibre optic measurements using test instruments;
- Fibre management and to join fibres;
- Analysis and acquire knowledge of Fibre Optic Traces during a testing phase.

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- Safely install and maintain an indoor and an outdoor simple fibre optic networks;
- Terminate fibre cables using fibre optic connectors with standard procedures;
- Acquire the knowledge of some fibre optic termination techniques;
- Perform Multi-Mode/Single-Mode fusion splices.
- Perform mechanical splices;
- Perform measurements using optical power source and optical power meter;
- Use the Optical Time Domain Reflectometer (OTDR) for Multi-Mode and Single-Mode fibre optic cable testing.

## Qualification

Optical Fibre Cable Technician

## Student Criteria

The student must:

- Be assigned or about to be assigned to a National appointment with Optical Fibre Cable maintenance task;
- Have met the Background Knowledge Prerequisites for this course.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OF2,OR5,NIC B4,CIV,NIC A4,OR6,OF3,NIC A2,OR9,OF1,OR4,NIC A6,OR8,NIC B5,OR2,OR3,OR1,NIC B3,OR7,OF4,NIC A3,NIC

B6,OF6,OF5,NIC A5

## Special Instructions

Two interpreters are required by the hosting organization from/to English/Dari and vice versa.

Printouts in English and Dari are required.

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

Basic knowledge of digital transmission techniques

## Prerequisite Course

N/A

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

# Deployable Optical Fibre Cable

Course ID

A0023

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 5

Maximum Class Size: 8

Course Length (working days): 10

## Purpose of Course

The purpose of the course is to provide Military and Civilian personnel from NATO and Partners Nations with the knowledge and skills to:

- Install and maintain indoor and outdoor fibre optical connections
- Install and maintain indoor and outdoor fibre optical network
- Perform tailored practice using terminations for NATO units and Theatre users
- Perform hands on practice using Fibre Optic (FO) test instruments
- Execute basic network performance testing.

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- Install and maintain indoor and outdoor fibre optical networks.
- Terminate MM fibre cable using ST/PC, SC/PC fibre optics connectors.
- Applying standards procedures.
- Perform hands on/practice in a FO lab using different termination techniques: 3M HOT MELT, AMP LIGHT CRIMP, 3M CRIP LOCK all of them for ST & SC connectors.
- Perform MM/SM fusion splices using level 5 machines.
- Perform mechanical splices.
- Perform Optical Time Domain Reflectometer (OTDR) testing for MM/SM fibre optic infrastructures.
- Estimate the optical budget in a fibre optical infrastructure.

## Qualification

Optical Fibre Cable Technician

## Student Criteria

The student must:

- Be assigned or about to be assigned to a NATO/National appointment within an Optical Fibre Cable Team.
- Have successfully completed a national military course on basic telecommunications principles.
- Knowledge of general safety procedures for working with telecommunications equipment.
- Have met the Background Knowledge Prerequisites for this course.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OF2,OR5,NIC B4,CIV,NIC A4,OR6,OF3,NIC A2,OR9,OF1,OR4,NIC A6,OR8,NIC B5,OR2,OR3,OR1,NIC B3,OR7,OF4,NIC A3,NIC B6,OF6,OF5,NIC A5

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

- Student has to attend the ADL Course 0606 Digital Communication <https://jatl.act.nato.int/> - See ADL Joining Instructions at [http://www.nciss.nato.int/ADL\\_joining\\_instruction.php](http://www.nciss.nato.int/ADL_joining_instruction.php)

## Background

I. THEORETICAL KNOWLEDGE OF "APPLIED MATHEMATICS"

- Basic algebraic equations, Logarithm
- Basic trigonometry (Sine, Cosine, Tangent)
- Decibel Notation (dB, dBm)

II. THEORETICAL KNOWLEDGE BY TECHNICAL SUBJECT.

A. BASIC ELECTRICITY

- Direct Current (dc) - Ohm-s law. Units of measurement of voltage, current, resistance, power
- Alternate Current (ac) - Peak Values, RMS Values

B. BASIC ELECTRONICS

- Passive components (resistors capacitors, inductors)
- Solid State (diode, transistors, LEDs)
- Devices - Analog (power supplies, amplifiers, oscillator, tuned circuits)
- Devices - Digital (gates: AND, OR, XOR, Inverters)

C. BASIC TELECOMMUNICATIONS AND INFORMATION SYSTEMS - PRINCIPLES AND TECHNIQUES

- Principles of multichannel telephony
- Lines Codes (PCM, E1,E2)
- LAN / WAN Topologies
- LAN networking devices (hub, switch)
- WAN networking devices (routers)

III. PRACTICAL EXPERIENCE BY FIELD OF ACTIVITIES

A. USE / UNDERSTANDING OF TEST

EQUIPMENT

- Multimeter
- Oscilloscope

B. Repair / Maintenance and Measurements (min. 3 months experience)

- LAN installations
- Telecommunications equipment installation / maintenance

## Prerequisite Course

Digital Communication (ADL)

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

# Long Range DLOS Operator/Technician

Course ID

A0024

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 3

Maximum Class Size: 6

Course Length (working days): 5

## Purpose of Course

The purpose of the course is to provide Military and Civilian NATO personnel with the knowledge and skills to perform: Technical Maintenance of the LR LOS equipment.

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- Operate the LR DLOS system.
- Perform Level 1 Maintenance Tasks.
- Perform Basic Fault-finding.
- Perform Troubleshooting on the LR DLOS system as part of a Deployable Communications and Information System (DCIS).

## Qualification

Long Range Digital Line of Sight (LR DLOS) Operator/Technician

## Student Criteria

The student must:

- Have a base common knowledge in communications and should be employed in communications fields.
- Be assigned or about to be assigned to a NATO post in one of the Signal Battalions.
- Have successfully completed a national military course on basic electronics.
- Have met the Background Knowledge Prerequisites for this course
- Have knowledge of the general safety procedures for working with hazardous voltages.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OF5,NIC A5,OF2,OR5,NIC B4,OR6,CIV,NIC A4,NIC A6,OF3,NIC A2,OR9,OF1,OR4,OR8,NIC B5,OR2,OR3,OR1,NIC B3,OR7,OF4,NIC A3,NIC B6,OF6

## Special Instructions

Protective Clothing: All student are to bring a set of BDUs/Combat wear/Overalls, protective footwear and working/protective gloves

## Security Clearance

NATO RESTRICTED (NR)

## Pre-Course Study Material

- Student has to attend the ADL Course 0606 Digital Communication <https://jadr.act.nato.int/>- See ADL Joining Instructions at [http://www.nciss.nato.int/ADL\\_joining\\_instruction.php](http://www.nciss.nato.int/ADL_joining_instruction.php)

## Background

The student has attended the Short Range Line Of Sight Communications System (SR LOS) Operator/Technician course (ID 025)

The student must be able to display and prove the following theoretical and/or practical skills:

## APPLIED MATHEMATICS

- Simple algebraic equations, functions exponential, logarithm
- Trigonometry (sine, cosine, tangent, graphical representation)
- Decibel Notation (dB, dBW, dBm)
- Computation and relative conversion to the bases 10 / 2 / 8 / 16

## ELECTRICITY

- Direct Current (DC) - Ohms law - Units of measurements for voltage, current and resistance
- Alternate Current (AC) - Wave forms, Peak Values, RMS Values, Transformers
- DC/AC power - Impedance - Power Factor
- Components (switches, contactors, breakers)

## ELECTRONICS

- Integrated Circuits
- Devices - Digital
- Operational Amplifiers
- Input / Output Units

## EQUIPMENT

- Antennae and antenna propagation
- Polarization

## TELECOMMUNICATIONS

- Principles of analogue/digital radio transmission of multichannel telephony
- (PCM, PDH)
- Line Codes (AMI, HDB3, RZ, NRZ)
- Multiplexing - TDM
- Modulation PSK, QPSK
- Types of Optical Fibre-s (Single Mode, Multi-Mode)
- Principles of Fibre Optic transmission, optical windows

## STANDARDS and PROTOCOLS

- EIA - RS 232C
- EIA - RS 422, RS 423, RS 449, RS 530
- ITU V.24, V.28
- ITU V.35
- ITU G703/G 704

## TEST EQUIPMENT

- Digital Multimeter
- Oscilloscope
- Spectrum Analyser

## INFORMATION TECHNOLOGY

- LAN topology
- Router/switches
- MAC addressing, principles
- IP addressing, principles
- Subnet masks, principles

## Prerequisite Course

Short Range DLOS Operator/Technician

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)



# Short Range DLOS Operator/Technician

Course ID

A0025

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 3

Maximum Class Size: 6

Course Length (working days): 10

## Purpose of Course

The purpose of the course is to provide Military and Civilian NATO personnel with the knowledge and skills to perform: Technical Maintenance of the SR DLOS equipment

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- Operate the SR DLOS system
- Perform Level 1 Maintenance Tasks
- Perform Basic Fault-finding
- Perform Troubleshooting on the SR DLOS system as part of a Deployable Communications and Information System (DCIS)

## Qualification

Short Range Digital Line of Sight (SR DLOS) Operator/Technician

## Student Criteria

The student must:

- Have a base common knowledge in communications and should be employed in communications fields
- Be assigned or about to be assigned to a NATO post in one of the Signal Battalions
- Have successfully completed a national military course on basic electronics
- Have met the Background Knowledge Prerequisites for this course
- Have knowledge of the general safety procedures for working with hazardous voltages

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

NIC A3,NIC B6,OF6,OF5,NIC A5,OF2,OR5,NIC B4,OR6,CIV,NIC A4,NIC A6,OF3,NIC A2,OR9,OF1,OR4,OR8,OR2,NIC B5,OR3,OR1,NIC B3,OR7,OF4

## Special Instructions

Protective Clothing: All student are to bring a set of BDUs/Combat wear/Overalls, protective footwear and working/protective gloves.

## Security Clearance

NATO RESTRICTED (NR)

## Pre-Course Study Material

- Student has to attend the ADL Course 0606 Digital Communication <https://jatl.act.nato.int/>- See ADL Joining Instructions at [http://www.nciss.nato.int/ADL\\_joining\\_instruction.php](http://www.nciss.nato.int/ADL_joining_instruction.php)

## Background

The student must be able to display and prove the following theoretical and/or practical skills: APPLIED MATHEMATICS

- Simple algebraic equations, functions exponential, logarithm
- Trigonometry (sine, cosine, tangent, graphical representation)
- Decibel Notation (dB, dBW, dBm)
- Computation and relative conversion to the bases 10 / 2 / 8 / 16

## ELECTRICITY

- Direct Current (DC) - Ohms law - Units of measurements for voltage, current and resistance
- Alternate Current (AC) - Wave forms, Peak Values, RMS Values, Transformers
- DC/AC power - Impedance - Power Factor
- Components (switches, contactors, breakers)

## ELECTRONICS

- Integrated Circuits
- Devices - Digital
- Operational Amplifiers
- Input / Output Units

## EQUIPMENT

- Antennae and antenna propagation
- Polarization

## TELECOMMUNICATIONS

- Principles of analogue/digital radio transmission of multichannel telephony
- (PCM, PDH)
- Line Codes (AMI, HDB3, RZ, NRZ)
- Multiplexing - TDM
- Modulation PSK, QPSK
- Types of Optical Fibre-s (Single Mode, Multi-Mode)
- Principles of Fibre Optic transmission, optical windows

## STANDARDS and PROTOCOLS

- EIA - RS 232C
- EIA - RS 422, RS 423, RS 449, RS 530
- ITU V.24, V.28

- ITU V.35
- ITU G703/G 704

## TEST EQUIPMENT

- Digital Multimeter
- Oscilloscope
- Spectrum Analyser

## INFORMATION TECHNOLOGY

- LAN topology
- Router/switches
- MAC addressing, principles
- IP addressing, principles
- Subnet masks, principles

## Prerequisite Course

Digital Communication (ADL)

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

## TACSAT Combined Basic/TADM

Course ID

A0029

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 6

Maximum Class Size: 10

Course Length (working days): 10

## Purpose of Course

The purpose of the course is for current and future operators of TACSAT radios and is designed to prepare the student for duties governing the maintenance and operating procedures for the current NATO TACSAT radio it will combine both the TACSAT Basic 0037 and TADM 0038 modules. Understand the general principles of satellite communications and emphasises on the aspects that directly affect the communication link. In this subject we will hand program the radio for dedicated satellite communications as per MIL STD 188-181B and operate the radio using an actual satellite channel or satellite simulator.

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- Gain the necessary knowledge to operate and maintain the equipment of the current TACSAT radio and its associated Databases.
- Explain UHF satellite communication procedure in detail in both Voice and Data.
- Demonstrate UHF satellite communication procedure both in voice and Data.
- Carry out basic troubleshooting on both radio and associated equipment.
- Carry out basic procedures within a lab in accordance with safety procedures, and external practices as directed.
- Understand the computer applications required for UHF TACSAT data transfer.

## Qualification

COMBINED TACSAT Basic and TADM Operator

## Student Criteria

The student must:

- Be assigned to a NATO or national signal establishment with the role of technician or operator.

- Have met the Background Knowledge

Prerequisites for this course

- Have successfully completed a national or civilian course in basic communications systems.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OR7,OF4,NIC A3,NIC B6,OF6,OF5,NIC A5,OF2,OR5,NIC B4,OR6,CIV,NIC A4,NIC A6,OF3,NIC A2,OR9,OF1,OR4,OR8,OR2,NIC

B5,OR3,OR1,NIC B3

## Special Instructions

Student will be issued all relevant course material.

## Security Clearance

NATO SECRET (NS)

## Pre-Course Study Material

N/A

## Background

Preferable:

- Previous experience in basic communication systems (e.g. SATCOM, VHF, UHF, HF, LOS.)
- Basic knowledge of computer operating systems.

## Prerequisite Course

N/A

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

# NATO SGS/SGT SAC Operator Maintainer

Course ID

A0032

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 4

Maximum Class Size: 8

Course Length (working days): 15

## Purpose of Course

To provide military and civilian personnel with the knowledge and skills to properly and safely operate and maintain the:

- NATO Satellite Ground Station/Satellite Ground Terminal (SGS/SGT) Satellite Anchor Component (SAC) Equipment.
- Repair actions are limited to the replacement of the Lowest Replaceable Unit (LRU) sub-assembly.

## Learning Objectives

Upon completion of the course, the qualified student will be able to operate and perform basic preventive and corrective maintenance of the SGS/SGT SAC equipment.

## Qualification

NATO SGS/SGT SAC Operator Maintainer

## Student Criteria

1. Been assigned to a NATO SGS/SGT SAC (F01, F11, F13, F14) as Chief Electronic Maintenance Technician or Electronic Maintenance Technician, or be designated by the NSII Satellite Ground Segment Service Manager.
2. Has successfully completed a national military or civilian course on basic electronics,
3. Have met the Background Knowledge Prerequisites (Student has to complete the SATCOM basics (ID 601) course at <https://jadl.act.nato.int/> There will be an Exam on arrival questions are taken from the above on-line training).
4. Knowledge of the general safety procedures for working with hazardous voltages.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OF6,NIC B6,NIC A5,OR2,OF4,OR1,NIC B4,OF5,OR4,OR7,NIC A6,OR9,OF3,OR5,CIV,OF1,OR3,NIC A2,NIC B5,OR8,NIC A4,OF2,OR6,NIC B3,NIC A3

## Special Instructions

Homework and self-study will be requested to the student. Internet access will be granted since SATCOM Basic and other study material are online.

## Security Clearance

NATO SECRET (NS)

## Pre-Course Study Material

0601 SATCOM basics (ADL)

## Background

- 1) BASIC MATHEMATICS
  - a) Algebraic equations, exponential & logarithms, Decibel Notation (dB, dBW & dBm).
- 2) THEORETICAL KNOWLEDGE BY TECHNICAL SUBJECT
- 3) ELECTRICITY
  - a) Direct Current (DC), Alternate Current (AC)
 Units of measurements for voltage, current & resistance, Wave shapes, Peak Values, rms Values.
- 4) ELECTRONICS
  - a) Resistors, capacitors, inductors, solid state devices, amplifiers "all types", oscillators, Power Amplifiers
- 5) TELECOMMUNICATIONS - PRINCIPLES AND TECHNIQUES.
  - a) Principles of digital radio transmission, Multiplexing, Error detection / correction, Antenna and propagation, Waveguides, Transmission Lines, Waveguide components, Isolators.
- 6) READING AND INTERPRETING ELECTRONIC / ELECTRICAL CIRCUITS AND INTERCONNECTION DIAGRAMS.
- 7) USE OF TEST EQUIPMENT.
- 8) REPAIR / MAINTENANCE AND MEASUREMENTS OF COMMUNICATIONS SYSTEMS.

## Prerequisite Course

SATCOM Basic (ADL)

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

## UHF TACSAT Basic

Course ID

A0037

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 5

Maximum Class Size: 10

Course Length (working days): 5

## Purpose of Course

The purpose of the course is for current and future operators of TACSAT radios and is designed to prepare the student for duties governing the maintenance and operating procedures for the current NATO TACSAT radio. In detail to be able to:

- Set up and identify the current TACSAT radio Controls, Indicators and connectors. In this section we will also cover the embedded encryption and external fill devices. And will also cover other types of operation that the current TACSAT radio can perform.

- Programming of the TACSAT radio. The exercises consist of hand programming the radio and establishing voice communications using line Of Sight (LOS) settings.

- Understand the general principles of satellite communications and emphasises on the aspects that directly affect the communication link. In this subject we will hand program the radio for dedicated satellite communications as per MIL STD 188-181B and operate the radio using an actual satellite channel or satellite simulator.

- Understand the Demand Assigned Multiple Access (DAMA) waveform and be able to program and operate in both voice and data over a DAMA network. As per MIL-STD 188-183 and NATO STANAG 4321 ED4 (IV).

- The use of DATA applications both High Performance Waveform (HPW) and V-Mail (Data Applications) at the end of the student will be able to explain when the options are required and confidently operate both.

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- Gain the necessary knowledge to operate and maintain the equipment of the TACSAT radio and ancillaries.

- Explain UHF satellite communication procedure in detail in both Voice and Data.

- Demonstrate UHF satellite communication procedure both in voice and Data.

- Carry out basic troubleshooting on both the radio and associated equipment.

- Carry out basic procedures within a lab in accordance with safety procedures, and external practices as directed.

- Understand the computer applications required for UHF TACSAT data transfer.

## Qualification

TACSAT Basic Operator

## Student Criteria

The student must:

- Be assigned to a NATO or national signal establishment with the role of technician or

operator.

- Have met the Background Knowledge

Prerequisites for this course

- Have successfully completed a national or civilian course in basic communications systems.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

NIC B3,OR7,OF4,NIC A3,NIC B6,OF6,OF5,NIC A5,OF2,OR5,NIC B4,OR6,CIV,NIC A4,NIC A6,OF3,NIC A2,OR9,OF1,OR4,OR8,OR2,NIC B5,OR3,OR1

## Special Instructions

Student will be issued all relevant course material.

## Security Clearance

NATO RESTRICTED (NR)

## Pre-Course Study Material

N/A

## Background

Preferable:

- Previous experience in basic communication systems (e.g. SATCOM, VHF, UHF, HF, LOS.)

- Basic knowledge of computer operating systems.

## Prerequisite Course

N/A

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

# UHF TACSAT Applications & Data Base Manager

Course ID

A0038

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 5

Maximum Class Size: 10

Course Length (working days): 5

## Purpose of Course

The purpose of the course is provide military and civilian personal with the skill and knowledge to manage the applications and databases required for successful set up and control of Data transfer using the applications currently being used for SCPC (single Channel Per Carrier) and DAMA (Demand Assigned Multiple Access) Channels. To be able to trouble shoot simple problems on both hardware and software.

In detail:

- Refresher training to include comsec loading and hand programming networks. This will lay the foundation for the start of the next phase.
- Complete a Radio Programming application (RPA) Database from a communications plan. Download and check all completed networks.
- Complete and test a High performance waveform (HPW) dataset and check that it works in a lab environment and over the satellite channel. Using actual satellite access or simulator.
- Create and test a via sat E-mail database and test it in a lab environment and over an actual DAMA channel or a simulator.
- Trouble shoot simple problems on both the radio and the computer databases. And be able to rectify the problems.

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- Gain the necessary knowledge to operate and maintain the equipment of the current TACSAT radio and associated equipment.
- Explain UHF satellite communication procedure in detail in both Voice and Data.
- Demonstrate UHF satellite communication procedure both in voice and Data.
- Carry out basic troubleshooting on the both radio and associated equipment.
- Carry out basic procedures within a lab in accordance with safety procedures, and external practices as directed.
- Understand the computer applications required for UHF TACSAT data transfer.

## Qualification

UHF TACSAT Applications & Data Base Manager

## Student Criteria

The student must:

- Be assigned to a NATO or national signal establishment with the role of technician or operator.
- Have met the Background Knowledge

Prerequisites for this course

- Have successfully completed a national or civilian course in basic communications systems.

- Attended the TACSAT BASIC course.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

NIC B3,OR7,OF4,NIC A3,NIC B6,OF6,OF5,NIC A5,OF2,OR5,NIC B4,OR6,CIV,NIC A4,OR4,NIC A6,OF3,NIC A2,OR9,OF1,OR8,OR2,NIC B5,OR3,OR1

## Special Instructions

- Student will be issued all relevant course material.
- Confirmation exercise consisting of all aspects of both the TACSAT BASIC course and the TACSAT Applications and Database Managers course. This will confirm student-s confidence in all current aspect of TACSAT and it applications.

## Security Clearance

NATO RESTRICTED (NR)

## Pre-Course Study Material

TACSAT BASIC student guide.

## Background

Preferable:

- Previous experience in basic communication systems (e.g. SATCOM, VHF, UHF, HF, LOS.)
- Basic knowledge of computer operating systems.
- Attended a TACSAT BASIC course.

## Prerequisite Course

UHF TACSAT Basic

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

# NATO X-Band DSGT Operator Level 1

Course ID

A0040

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Oeiras (PRT)

Minimum Class Size: 4

Maximum Class Size: 8

Course Length (working days): 10

## Purpose of Course

To provide military and civilian personnel with knowledge and skills to operate and perform limited preventive maintenance on the Deployable Satellite Ground Terminal (DSGT). Repair actions are limited to the replacement of the Lowest Replaceable Unit (LRU) sub-assembly.

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

Deploy, teardown, and operate the DSGT system designated for operations and exercises in X-Band.

Perform basic activities to check the performances of the DSGT system.

Maintain the DSGT system in an operational state to ensure Satellite communications.

## Qualification

NATO DSGT Operator Level I

## Student Criteria

1. Been assigned to a NATO or National Signal Establishment with the role of technician or operator,
2. Has met the Background Knowledge Prerequisites (Student has to complete the SATCOM basics (ID 601) course at <https://jatl.act.nato.int/> There will be an Exam on arrival questions are taken from the above on-line training).
3. Has successfully completed a national military or civilian course on basic electronics.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

NIC B3,OR7,OF4,NIC A3,NIC B6,OF6,OF5,NIC A5,OF2,OR5,NIC B4,OR6,CIV,NIC A4,OR4,NIC A6,OF3,NIC A2,OR9,OF1,OR8,OR2,NIC B5,OR3,OR1

## Special Instructions

N/A

## Security Clearance

NATO SECRET (NS)

## Pre-Course Study Material

0601 SATCOM basics (ADL)/AND

## Background

Basic Understanding of Mathematics (Simple algebraic equations, exponential & logarithms, Decibel Notation), Electronics (Basic components, Telecommunications principles (RF, Multiplexing, Modulation, Error detecting and correcting techniques), Reading and interpreting electronic/electrical diagrams, and Test Equipment Usage

## Prerequisite Course

SATCOM Basic (ADL)

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)



# NATO X-Band DSGT Operator Level 2

Course ID

A0041

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 3

Maximum Class Size: 6

Course Length (working days): 5

## Purpose of Course

To provide military and civilian personnel with knowledge and skills to perform field level preventive and corrective maintenance for the: NATO Deployable Satellite Ground Terminal (DSGT) Equipment.

Repair actions are limited to the replacement of the Lowest Replaceable Unit (LRU) sub-assembly. Maintenance level will be to level 2 without supervision and assist CSSC Technicians in level 3 operations. This will reduce the interventions required by the CSSC and extend the duration between required Preventative Maintenance Inspections and enhancing the overall internal capability of the end users.

## Learning Objectives

Upon completion of the course, the qualified student will be able to perform Level II preventive and corrective maintenance on the DSGT equipment, including but not limited to: Basic calibration (e.g. setting limit switches, beacon receiver adjustments, etc.), Monitor & Control operation & maintenance, Power measurements, modem firmware upgrades, Antenna Control Unit configuration & system fault finding.

## Qualification

NATO SATCOM DSGT Operator Level II

## Student Criteria

1. Been assigned to a NATO or National Signal Establishment with the role of technician or operator,
2. Successfully completed the DSGT Operator Course 0040 and have a minimum of 6 months practical experience using the DSGT in the field. There will be an entry exam upon arrival. Questions are taken from the DSGT Operator Level I (0040) training.
3. Knowledge of the general safety procedures for working with hazardous voltages.
4. Basic familiarity with Microsoft Windows Operating Systems, networking, electronic/ electrical schematics.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OR1,NIC B3,OR7,OF4,NIC A3,NIC B6,OF6,OF5,NIC A5,OF2,OR5,NIC

B4,OR6,CIV,NIC A4,OR4,NIC A6,OF3,NIC A2,OR9,OF1,OR8,OR2,NIC B5,OR3

## Special Instructions

N/A

## Security Clearance

NATO SECRET (NS)

## Pre-Course Study Material

Student has to complete the SATCOM basics (ID 601) course at <https://jatl.act.nato.int/>. There will be an entry exam on arrival. Questions are taken from the above on-line training and from the DSGT Operator level I (0040) training.

## Background

Completion of the ADL Course ID 601- SATCOM Basics Ver 3.0 is mandatory. Successful completion of the DSGT Operator Course 0040 with minimum 6 months practical experience using the DSGT in the field is mandatory.

- 1) BASIC MATHEMATICS
  - a) Algebraic equations, exponential & logarithms, Decibel Notation (dB, dBW & dBm).
- 2) THEORETICAL KNOWLEDGE BY TECHNICAL SUBJECT
  - 3) ELECTRICITY
    - a) Direct Current (DC), Alternate Current (AC)
- Units of measurements for voltage, current & resistance, Wave shapes, Peak Values, rms Values.
- 4) ELECTRONICS
  - a) Resistors, capacitors, inductors, solid state devices, amplifiers "all types", oscillators, Power Amplifiers
- 5) TELECOMMUNICATIONS - PRINCIPLES AND TECHNIQUES.
  - a) Principles of digital radio transmission, Multiplexing, Error detection / correction, Antenna and propagation, Waveguides, Transmission Lines, Waveguide components, Isolators.
- 6) READING AND INTERPRETING ELECTRONIC / ELECTRICAL CIRCUITS AND INTERCONNECTION DIAGRAMS.
- 7) USE OF TEST EQUIPMENT.
- 8) REPAIR / MAINTENANCE AND MEASUREMENTS OF COMMUNICATIONS SYSTEMS.

## Prerequisite Course

NATO X-Band DSGT Operator Level 1

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

## BBSST Operator

Course ID

A0042

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Oeiras (PRT)

Minimum Class Size: 3

Maximum Class Size: 6

Course Length (working days): 5

## Purpose of Course

To provide military and civilian personnel with knowledge and skills to:

- install and operate the Bi-Band Suitcase Satellite Terminal (BBSST) Satellite Communications (SATCOM) terminal;
- perform limited preventive maintenance on the BBSST system. Repair actions are limited to the replacement of the Lowest Replaceable Unit (LRU) sub-assembly.

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

- Deploy, teardown, and operate the BBSST system designated for operations and exercises in both Ku-Band and X-Band.
- Perform basic activities to check the performances of the BBSST system.
- Maintain operational the BBSST system to ensure Satellite communications.

## Qualification

NATO SATCOM BBSST Operator

## Student Criteria

1. Been assigned to a NATO or National Signal Establishment with the role of technician or operator,
  2. Has met the Background Knowledge Prerequisites (Student has to complete the SATCOM basics (ID 601) course at <https://jatl.act.nato.int/> There will be an Exam on arrival questions are taken from the above on-line training).
- Has successfully completed a national military or civilian course on basic electronics.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

NIC B5,OR3,OR1,NIC B3,OR7,NIC A3,NIC B6,OF6,OF4,OF5,NIC A5,OF2,OR5,NIC B4,OR6,CIV,NIC A4,OR4,NIC A6,OF3,NIC A2,OR9,OF1,OR8,OR2

## Special Instructions

N/A

## Security Clearance

NATO SECRET (NS)

## Pre-Course Study Material

Student has to complete the SATCOM basics (ID 601) course at <https://jatl.act.nato.int/> There will be an Entry Exam on arrival. Questions are taken from the above on-line training.

## Background

Basics understanding of Mathematics (Simple algebraic equations, exponents and logarithms, Decibel notation), Electronics (Basic components, Telecommunications principles (RF, multiplexing, modulation, error detecting and correction techniques), reading and interpreting electronic/electrical diagrams, and test equipment usage.

## Prerequisite Course

SATCOM Basic (ADL)

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

# NATO X-Band TSGT G3 Operator Level 1

Course ID

A0043

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Oeiras (PRT)

Minimum Class Size: 3

Maximum Class Size: 6

Course Length (working days): 10

## Purpose of Course

To provide military and civilian personnel with knowledge and skills to operate and perform limited preventive maintenance on the NATO TSGT G3 system. Repair actions are limited to the replacement of the Lowest Replaceable Unit (LRU) sub-assembly.

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

- Deploy, teardown, and operate the NATO Transportable Satellite Ground Terminal (TSGT) Generation 3 (G3) X-Band T-2 terminal and T-1 antenna as designated for operations and exercises.
- Perform basic activities to check the performances of the system
- Maintain operational the system to ensure Satellite communications.

## Qualification

NATO X-Band TSGT G3 Operator Level 1

## Student Criteria

1. Been assigned to a NATO or National Signal Establishment with the role of technician or operator,
2. Has met the Background Knowledge Prerequisites (Student has to complete the SATCOM basics (ID 601) course at <https://jatl.act.nato.int/> There will be an Exam on arrival questions are taken from the above on-line training).
3. Has successfully completed a national military or civilian course on basic electronics.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OR2,NIC B5,OR3,OR1,NIC B3,OR7,NIC A3,NIC B6,OF6,OF4,OF5,NIC A5,OF2,OR5,NIC B4,OR6,CIV,NIC A4,OF1,OR4,NIC A6,OF3,NIC A2,OR9,OR8

## Special Instructions

Homework and self-study will be requested of the students.

## Security Clearance

NATO SECRET (NS)

## Pre-Course Study Material

Student has to complete the SATCOM basics (ID 601) course at <https://jatl.act.nato.int/> There will be an Entry Exam on arrival. Questions are taken from the above on-line training.

## Background

Basics understanding of Mathematics (Simple algebraic equations, exponents and logarithms, Decibel notation), Electronics (Basic components, Telecommunications principles (RF, multiplexing, modulation, error detecting and correction techniques), reading and interpreting electronic/electrical diagrams, and test equipment usage.

## Prerequisite Course

X-Band (ADL)

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

# NATO Ku-Band VSAT Operator

Course ID

A0045

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 3

Maximum Class Size: 6

Course Length (working days): 5

## Purpose of Course

To provide military and civilian personnel with knowledge and skills to:

- install and operate a Very Small Aperture Terminal (VSAT) Spoke as a standalone SATCOM terminal;
- perform VSAT Hub antenna pointing and operate the VSAT Hub;
- perform limited preventive maintenance on the VSAT terminals. Repair actions are limited to the replacement of the Lowest Replaceable Unit (LRU) sub-assembly.

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

- Change satellites on VSAT Hub terminal and perform operations.
- Deploy, teardown, and operate the VSAT Spoke terminal designated for operations and exercises.
- Perform basic activities to check the performances of the VSAT Hub and Spoke systems.
- Maintain operational the VSAT Hub and Spoke systems to ensure Satellite communications.

## Qualification

NATO Ku-Band SATCOM VSAT Operator

## Student Criteria

1. Been assigned to a NATO or National Signal Establishment with the role of technician or operator,
2. Has met the Background Knowledge Prerequisites (Student has to complete the SATCOM basics (ID 601) course at <https://jatl.act.nato.int/> There will be an Exam on arrival questions are taken from the above on-line training).
3. Has successfully completed a national military or civilian course on basic electronics.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OR8,OR2,NIC B5,OR3,OR1,NIC B3,OR7,NIC A3,NIC B6,OF6,OF4,OF5,NIC A5,OF2,OR5,NIC B4,OR6,CIV,NIC A4,OF1,OR4,NIC A6,OF3,NIC

A2,OR9

## Special Instructions

N/A

## Security Clearance

NATO SECRET (NS)

## Pre-Course Study Material

Student has to complete the SATCOM basics (ID 601) course at <https://jatl.act.nato.int/> There will be an Entry Exam on arrival. Questions are taken from the above on-line training.

## Background

- It is strongly suggested that students new to Satellite Communication principles attend either a National or NATO X-Band SATCOM course prior (Eg: NCISS DSGT Course 0040),
- Basics understanding of Mathematics (Simple algebraic equations, exponents and logarithms, Decibel notation), Electronics (Basic components, Telecommunications principles (RF, multiplexing, modulation, error detecting and correction techniques), reading and interpreting electronic/electrical diagrams, and test equipment usage.

## Prerequisite Course

SATCOM Basic (ADL)

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

# NATO X-Band UTSGT Operator

Course ID

A0047

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Mobile Training Team

Minimum Class Size: 4

Maximum Class Size: 8

Course Length (working days): 5

## Purpose of Course

To provide military and civilian personnel with knowledge and skills to operate the Upgraded Transportable Satellite Ground Terminal (UTSGT) system.

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

Deploy, teardown, and operate the NATO UTSGT terminal as designated for operations and exercises.

Perform basic activity to check the performances of the system.

Maintain operational the UTSGT System to ensure Satellite communications.

## Qualification

NATO SATCOM UTSGT Operator

## Student Criteria

Successfully completed the NATO Transportable Satellite Ground Terminal (TSGT) Generation 3 (G3) Operator course 0043.

Been assigned to a NATO or National Signal Establishment with the role of technician or Operator,

Have met the Background Knowledge

Prerequisites (see item 16: Student has to complete the SATCOM basics (ID 601) course at <https://jatl.act.nato.int/> There will be an Exam on arrival questions are taken from the above on-line training).

Knowledge of the general safety procedures for working with hazardous voltages.

Familiarity with Microsoft Windows Operating Systems.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OF1,OR4,NIC A6,OF3,NIC A2,OR9,OR8,OR2,NIC B5,OR3,OR1,NIC B3,OR7,NIC A3,NIC B6,OF6,OF4,OF5,NIC A5,OF2,OR5,NIC B4,OR6,CIV,NIC A4

## Special Instructions

Homework and self-study will be requested to the students. Internet access will be granted since SATCOM Basic and other study material

are online.

## Security Clearance

NATO SECRET (NS)

## Pre-Course Study Material

Student has to complete the SATCOM basics (ID 601) course at <https://jatl.act.nato.int/>

There will be an Exam on arrival questions are taken from the above on-line training.

## Background

Successfully completed the NATO Transportable Satellite Ground Terminal (TSGT) Generation 3 (G3) Operator Level I course 0043.

Basics understanding of Mathematics (Simple algebraic equations, exponents and logarithms, Decibel notation), Electronics (Basic components, Telecommunications principles (RF, multiplexing, modulation, error detecting and correction techniques), reading and interpreting electronic/electrical diagrams, and test equipment usage.

## Prerequisite Course

NATO X-Band TSGT G3 Operator Level 1

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

## NNCCRS SSO/ADMIN

Course ID

A0048

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 6

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

The purpose of the course is to provide military and civilian personnel from NNCCRS sites with the knowledge to assume the responsibilities as NNCCRS Site Security Officer (SSO) and Local System Administrator so to be able to maintain the confidentiality, integrity and the availability of the NNCCRS site concerned

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- Describe the overall NNCCRS architecture;
- Describe the role of the major communications components of the NNCCRS;
- List and describe the content of the NNCCRS security documentation;
- Explain the duties and responsibilities of the NNCCRS Site Security Officer;
- Prepare the NNCCRS site accreditation;
- List the roles of the relevant support organisations of NNCCRS, and the procedures to be followed when reporting problems;
- Administer and maintain NNCCRS user accounts;
- Install and recover a NNCCRS system;
- Perform basic troubleshooting and report the faults following the NNCCRS procedures;
- Audit and understand NNCCRS system security logs.

## Qualification

NNCCRS Site Security Officer / Administrator

## Student Criteria

The student must:

- Be formally- appointed NNCCRS Site Security Officer/Administrator by his/her unit;
- The students Local Security Authority must send a completed Annex C to NNCCRS SecOps v4.0 Dated 29 August 2014, over NS, to the NNCCRS Training Team at NCIS (kay.mrosk@ncia.nato.int) before bidding for the course. SecOps are available to the current SSO on the NNCCRS system. Without a completed Annex C the student will not be enrolled in the course. Please also see paragraph 11;
- Have met the Background Knowledge Prerequisites for this course

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OR6,OF3,NIC A2,OR9,OR8,NIC B5,NIC B3,OR7,NIC A3,NIC B6,OF4,OF5,OF2,OR5,NIC B4

## Special Instructions

All seats are listed as reserved. This does not mean that the course is full. This is to ensure that Nations cannot bid without sending a completed Annex C first.

For further information or for help on bidding for a seat for SSO/Admin courses only please e-mail kay.mrosk@ncia.nato.int on NS.

## Security Clearance

NATO SECRET (NS)

## Pre-Course Study Material

- Latest ACO SECURITY DIRECTIVE AD 70-1
- SDIP-28/1
- SDIP-29/2

## Background

"The course duration is one week (1 week= 4.5 days), based on:

- 4 days of 8 periods (7 periods instruction, 1 period instructor guided self-study) per day
- 4 periods on a Friday.

Each period consists of 50 minutes for instruction and 10 minutes break.

The course comprises:

- 20 periods of instruction
- 8 periods of practical exercises
- 4 periods of instructor guided self-study
- 2 periods of assessment
- 2 periods for arrival and dispersal."

## Prerequisite Course

N/A

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)



# NATO HF Operator

Course ID

A0050

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Oeiras (PRT)

Minimum Class Size: 6

Maximum Class Size: 10

Course Length (working days): 10

## Purpose of Course

The purpose of the course is to provide military and civilian personnel with the skill and knowledge for current and future operations using HF equipment and prepare them for operating and understanding basic HF capabilities and techniques. In detail be able to:

- Understand the theory of HF and antenna propagation and its principles. Understand the basic factors and characteristics that affect various types of antennas.
- Program and operate the HF radio in the following modes, Fixed, ALE, 3G. VHF in both voice and Data using applications such as WMT and TACCHAT.
- Operate the static element HF shelter.

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- Understand and explain why we utilize HF communications and the factors affecting propagation.
- Erect a HF antenna taking into consideration siting and propagation issues and communicate over long and short haul links.
- Program and operate the HF radio in the following modes, Fixed, ALE, 3G and VHF low.
- Carry out basic fault finding and troubleshooting procedures.

## Qualification

HF Operator

## Student Criteria

The student must:

- Be assigned to a NATO or national signal establishment with the role of technician or operator.
  - Have met the Background Knowledge
- Prerequisites for this course
- Have successfully completed a national or civilian course in basic communications systems.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV,NIC A4,OF1,OR4,NIC A6,OR6,OF3,NIC A2,OR9,OR2,OR8,OR3,NIC B5,OR1,NIC B3,OF6,OR7,NIC A3,NIC B6,NIC

A5,OF4,OF5,OF2,OR5,NIC B4

## Special Instructions

student will be issued all relevant course material.

## Security Clearance

NATO SECRET (NS)

## Pre-Course Study Material

N/A

## Background

Preferable :

- Previous experience in basic communication systems (e.g. SATCOM, VHF, UHF, HF, LOS.)
- Basic knowledge of computer operating systems.

## Prerequisite Course

N/A

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

# NATO DART+ Operator

Course ID

A0051

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Mobile Training Team

Minimum Class Size: 4

Maximum Class Size: 8

Course Length (working days): 5

## Purpose of Course

To provide military and civilian personnel with knowledge and skills to:

- a. Install and operate the Dual-band Auto-pointing Rapid-deployable Terminal Plus (DART+) Satellite Communications terminal;
- b. Perform limited preventive maintenance on the DART+ system. Repair actions are limited to the replacement of the Lowest Replaceable Unit (LRU) sub-assembly.

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

- Deploy, teardown, and operate the DART+ system designated for operations and exercises in both Ku-Band and X-Band.
- Perform basic activities to check the performances of the DART+ system.
- Maintain operational the DART+ system to ensure Satellite communications.

## Qualification

NATO SATCOM DART+ Operator

## Student Criteria

1. Been assigned to a NATO or National Signal Establishment with the role of technician or operator,
  2. Has met the Background Knowledge Prerequisites (Student has to complete the SATCOM basics (ID 601) course at <https://jatl.act.nato.int/> There will be an Exam on arrival questions are taken from the above on-line training).
- Has successfully completed a national military or civilian course on basic electronics.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

NIC B4,CIV,NIC A4,OF1,OR4,NIC A6,OR6,OF3,NIC A2,OR9,OR2,OR8,OR3,NIC B5,OR1,NIC B3,OF6,OR7,NIC A3,NIC B6,NIC A5,OF4,OF5,OF2,OR5

## Special Instructions

N/A

## Security Clearance

NATO SECRET (NS)

## Pre-Course Study Material

Student has to complete the SATCOM basics (ID 601) course at <https://jatl.act.nato.int/> There will be an Entry Exam on arrival. Questions are taken from the above on-line training.

## Background

Basics understanding of Mathematics (Simple algebraic equations, exponents and logarithms, Decibel notation), Electronics (Basic components, Telecommunications principles (RF, multiplexing, modulation, error detecting and correction techniques), reading and interpreting electronic/electrical diagrams, and test equipment usage.

## Prerequisite Course

SATCOM Basic (ADL)

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

# NATO X-Band TSGT G3 Operator Level 2

Course ID

A0052

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 4

Maximum Class Size: 8

Course Length (working days): 5

## Purpose of Course

To provide military and civilian personnel with knowledge and skills to perform field level preventive and corrective maintenance for the: NATO Transportable Satellite Ground Terminal (TSGT) Generation 3 (G3) system. Repair actions are limited to the replacement of the Lowest Replaceable Unit (LRU) sub-assembly. Maintenance levels will be to level 2 without supervision and assist CSSC (CIS Sustainment and Support Centre) in level 3 Maintenance. This will reduce the interventions required by the CSSC and extend the duration between PMIs hence: Enhancing the overall internal capability of the end users.

## Learning Objectives

Upon completion of the course, the qualified student will be able to perform level 2 preventive and corrective maintenance on the assigned TSGT G3 equipment, including but not limited to and where applicable: LRU replacement and basic calibrations (e.g. setting limit switches, EMS (Electronic Protective Measure Modem System) and ASNMC (Advanced SATCOM Network Management & Control) system basic upgrade and fault finding, MACS (monitor Alarm and Control System) operation & maintenance, system power measurements, ACU configuration & fault finding.

## Qualification

NATO SATCOM TSGT G3 Operator Level II

## Student Criteria

- 1.Successfully completed the TSGT G3 Operator Course 0043 and have a minimum 6 months practical experience using the TSGT G3 in operations/exercises.
- 2.Been assigned to a NATO or National Signal Establishment with the role of technician or Operator,
- 3.Knowledge of the general safety procedures for working with hazardous voltages.
- 4.Familiarity with Microsoft Windows Operating Systems.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OF2,OR5,NIC B4,CIV,NIC A4,OF1,OR4,OR6,NIC

A6,OF3,NIC A2,OR9,OR2,OR8,OR3,NIC  
B5,OR1,NIC B3,OF6,OR7,NIC A3,NIC B6,NIC  
A5,OF4,OF5

## Special Instructions

N/A

## Security Clearance

NATO SECRET (NS)

## Pre-Course Study Material

Student has to complete the SATCOM basics (ID 601) course at <https://jatl.act.nato.int/>

There will be an Exam on arrival questions are taken from the above on-line training and on the TSGT G3 Operator Level I (0043) training.

Caution!: Students failing to achieve the required pass mark may be sent home at the sending units expense.

## Background

- I.BASIC MATHEMATICS  
1.Simple algebraic equations, exponential & logarithms, Decibel Notation (dB, dBW & dBm).  
II.THEORETICAL KNOWLEDGE BY TECHNICAL SUBJECT  
A.BASIC ELECTRONICS  
B.TELECOMMUNICATIONS BASIC PRINCIPLES AND TECHNIQUES.  
1.RF, Multiplexing, Modulation , Error detection and correction techniques.  
C.READING AND INTERPRETING ELECTRONIC / ELECTRICAL BLOCK DIAGRAMS AND INTERCONNECTION DIAGRAMS.  
D.USE OF TEST EQUIPMENT.  
E.PRACTICAL EXPERIENCE BY FIELD OF ACTIVITIES.  
1.Basic Communication Systems (e.g. SATCOM, VHF-UHF, HF, LOS).

## Prerequisite Course

NATO X-Band TSGT G3 Operator Level 1

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

## NATO TLK/ILK Operator

Course ID

A0056

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Mobile Training Team

Minimum Class Size: 4

Maximum Class Size: 6

Course Length (working days): 5

## Purpose of Course

The purpose of the course is to train military or civilian personnel with the knowledge and skills to perform the initial setup of the TLK Kit and perform limited troubleshooting if required.

## Learning Objectives

Upon completion the course, the qualified student will be able to demonstrate the capability to install, operate and troubleshoot/ test the above mentioned equipment.

## Qualification

NATO TLK/ILK Operator

## Student Criteria

The student must be assigned to a NATO military / civilian post where the relevant equipment is in use.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OF2,OR5,NIC B4,OR4,OR6,NIC  
A2,OR9,OR2,OR8,OR3,NIC B5,OR1,NIC  
B3,OR7,NIC B6

## Special Instructions

N/A

## Security Clearance

NATO SECRET (NS)

## Pre-Course Study Material

N/A

## Background

Basic TCE 621 knowledge

## Prerequisite Course

N/A

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

# NATO COMSEC System Engineering

Course ID

A0067

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Oeiras (PRT)

Minimum Class Size: 4

Maximum Class Size: 8

Course Length (working days): 10

## Purpose of Course

The COMSEC System Engineering (CSE) Course is required to provide cleared NCI Agency and NATO HQ military and civilian personnel with the knowledge and skills to perform as NATO Technician (CS) either who is responsible for an encrypted NATO system/network or who is responsible for an NCI Agency Crypto Forward Support Point (CFSP).

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- Load different Crypto key material to various End Crypto Units (ECU).
- Confirm configuration and settings of components within the operational system.
- Install, operate and troubleshoot an operational system.
- Isolate faulty components within the operational system.
- Replace faulty system components and re-engineer the system to an operational state.
- Bench test the faulty system component.
- Confirm the specific fault symptom and prepare the NATO CIS Equipment Maintenance Repair and Requisition Request (EMRR).
- Evacuate the faulty system component to the next higher maintenance echelon.
- These system components will include: MODEMS, BERT Testers, KIK-20, KIK-30, AN/PYQ-10, KG 84A, KIV 7, BID 950 1V2, CM 109H, TCE 621 N, TCE 621 B.

## Qualification

NATO COMSEC System Engineer

## Student Criteria

The student must be selected for an assignment as Crypto Custodians who are responsible for an NCI Agency Crypto Forward Support Point (CFSP).

NCI Agency or NATO Technicians: Responsible for system Engineering encrypted NATO circuits or systems.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OF2,OR5,OR4,OR6,OF3,OR3,Civilian Equivalent,OR7

## Special Instructions

N/A

## Security Clearance

NATO SECRET (NS)

## Pre-Course Study Material

Course Modules are available on NCI Agency CSSL NSWAN SharePoint.

## Background

- The student must have basic computer skills including the use of ping and telnet applications.
- The student must be familiar with the use of a graphical user interface (GUI) such as MS Windows.
- Basic TCP/ IP networking and technical knowledge of system engineering non-encrypted circuits or systems is highly recommended and encouraged prior to attending to this course.

## Prerequisite Course

N/A

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

# NATO Voice over IP Foundation

Course ID

A0095

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 10

## Purpose of Course

The purpose of the course is to provide knowledge on a number of new technologies (to NATO) that are encompassed within the voice networks, such as Voice over IP (VoIP). Also a number of new products, such as Cisco CUCME, Cisco CUCM, Cisco Unity Connection, SBC and Microsoft Lync/Skype for business, and various VoIP telephones and collaboration endpoints.

The aim of this course is to address these issues, and pull together the elements of -unified communications- so that each student will, through theory and practical exercises be exposed to all the current voice systems that NATO are installing and utilising, in order to be able to maintain an effective, fully operational, converged voice network.

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- To provide military and civilian personnel foundation knowledge and skills to understand, basic administration of Voice Over IP systems NATO Voice Systems - Outline the different Voice Solutions used within the various NATO networks.
- Implementing Voice/Data VLAN and Router on Stick.
- Working with Telephony networks and VoIP Protocols: SIP, RTP and RTCP
- CUCM: Overview/Architecture, Deployment, Administering/ Managing Services & Implementing IP Phones, Endpoints, Gateways, Call Routing, DIGIT Manipulation & Call coverage, Bandwidth Management & CAC.
- Administering/ Managing Services & Implementing IP Phones
- Cisco Unity Connection (VOICEMAIL) Overview/Architecture, Deployment, Administering
- CUCME: Overview, Managing Endpoints, Dial Plans, Voice ports / Call legs and Dial peer, Digit Manipulation and Selection Path, Configuring Calling Privileges (COR).
- SBC/CUBE how to deploy Session Border Controller in VoIP Networks.
- Microsoft Lync/Skype for Business, Features/ Architecture and Deployment, Design & Deploy Voice Infrastructure Lync Telephony Server, Client Deployment, Enterprise Voice.

## Qualification

Voice over IP basic Technician

## Student Criteria

The student must have met the Background Knowledge Prerequisites for this course.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV,OF2,OR5,NIC A4,NIC B4,OF1,NIC A6,OR9,OR4,OR6,OF3,NIC A2,OR2,OR8,NIC B5,OR3,OR1,NIC B3,OF6,NIC A3,NIC A5,OF4,OF5,NIC B6,OR7

## Special Instructions

- A course entrance test will be taken, to gauge the level of student knowledge prior to the course starting
- The student must achieve a grade of 70 % on a comprehensive final practical exercise
- The student must achieve a grade of 70 % on a comprehensive final written examination
- After daily lessons the student need access to Internet to review the on line documentation and practise using Packet Tracer.

## Security Clearance

NATO RESTRICTED (NR)

## Pre-Course Study Material

N/A

## Background

NCISS Courses 0236 NATO Networking Infrastructure(CCNA R&S) or 650 CCENT or any other equivalent Commercial training

## Prerequisite Course

NATO Networking Infrastructure (CCNA R&S),CCENT (ICND1) On-Line

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)



# NATO Call Manager & Voice over Secure IP (VoSIP)

Course ID

A0097

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 5

Maximum Class Size: 8

Course Length (working days): 10

## Purpose of Course

The purpose of the course is to prepare the student for implementing a Cisco Unified Communications Manager solution at a single-site environment. This course focuses primarily on Cisco Unified Communications Manager (CUCM) Version 10.X and 11.X which is the call routing and signalling component for the Cisco Unified Communications solution, the implementation of the NATO Voice Over Secure IP (VOSIP) and the configuration of the V2 (Voice and Video Router) for VOSIP.

Student will perform post-installation tasks, configure CUCM, implement Media Gateway Control Protocol (MGCP) and H.323 gateways, build dial plans to place on-net and off-net phone calls. You will also implement media resources, Cisco IP Phone Services, CUCM native presence, and Cisco Unified Mobility Call Admission Control (CAC), Extension Mobility, NATO Voice Over Secure IP (VOSIP), CUCM Virtualization, Disaster Recovery (DRS) following NATO recommendations.

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- Outline the different Voice Solutions used within the various NATO networks
- Deploy CUCM in VMWARE, Administration, configuration and maintenance of the Cisco Unified Communications Manager (CUCM), Cisco Prime License Manager and V2 Routers (Voice and Video)
- Deploy and Configuring Cisco Unified Border Element (CUBE)
- Implementing Dial Plan according to the NATO STANAG.
- Deploy voice and video Telephony configure and maintain IPphones, Implementing Audio and Video Conference Bridges, Integration with Cisco Telepresence Servers, Cisco Telepresence Conductor for Video Conferencing
- Deploy Unified Mobility and Native Presence.
- Overview of QoS in collaboration Networks
- Implementing Call Admission Control (CAC)
- Implementing Cisco Extension Mobility.
- Deploy Voice Over Secure IP (VOSIP) in NATO networks, Deploy and Configure Secure MTP, Secure Conference and Secure Survivable Remote Site Telephony (SRST).
- Design and Implementation of Disaster Recovery Plan (DRS backup)

## Qualification

NATO Call Manager Technician

## Student Criteria

The student must have met the Background Knowledge Prerequisites for this course.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OF5,NIC B6,OR7,CIV,OF2,NIC A4,NIC B4,OF1,OR5,NIC A6,OR9,OR4,OR6,OF3,NIC A2,OR2,OR8,NIC B5,OR3,OR1,NIC B3,OF6,OF4,NIC A3,NIC A5

## Special Instructions

- A course entrance test will be taken, to gauge the level of student knowledge prior to the course starting
- The student must achieve a grade of 70 % on a comprehensive final practical exercise
- The student must achieve a grade of 70 % on a comprehensive final written examination
- After daily lessons the student need access to Internet to review the on line documentation and practise using Packet Tracer.

## Security Clearance

NATO RESTRICTED (NR)

## Pre-Course Study Material

N/A

## Background

Student must have completed/passed NCISS VoIP foundation Course, NCISS Course ID 0095.

## Prerequisite Course

NATO Voice over IP Foundation

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

# NATO C4ISR Orientation for Officers

Course ID

A0101

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Oeiras (PRT)

Minimum Class Size: 15

Maximum Class Size: 60

Course Length (working days): 5

## Purpose of Course

The purpose of this course is to provide military Officers and Civilian equivalents of NATO Command Structure (NCS) and NATO Forces Structure (NFS), NATO National entities and supporting NATO Agencies the knowledge of the overall NATO C4ISR Organisation, supporting and supported Services. The course also provides evidence about the relationships and interactions amongst the various C4ISR components and the supported capabilities. The course will cover the following subjects:

- The NATO Services ( C3 Taxonomy),
- NATO Service management and Control (SMC)
- NATO Mission and Operations, Policy and Guidance.
- NATO Command and Forces Structure, NCS-NFS
- NATO CIS Static and Deployable
- NATO User applications and Community of Interest (COI) Services.
- NATO Core Enterprise Services
- NATO Communication Services.
  - o Communication Access/Transport Services
  - o Transmission Services
- NATO CIS Security Services
- NATO Capabilities

In detail to provide an overview of current and evolving :

1. NATO Service Terminology and Organisation, NATO (CIS) Capabilities
2. NATO Command Structure and specifically the two Strategic Commands: Allied Command Operation and Allied Command Transformation.
3. NATO Force Structure NRDC, NRFs, VJTF, NFIUs
4. The NATO Customer and Service Provider organization and Mission.
5. The NATO SMC Services (e.g. Service Management Framework, Spectrum Management)
6. CIS Security Services (INFOSEC- COMPUSEC-COMSEC Cyber Defence) principles
7. Functional Area Services ( TOPFAS, LOGISTIC, INTEL, GIS)
8. Command and Control ( AirC2IS, LC2 IS, MC2 IS, NCOP)
9. Transmission capabilities (SATCOM, TACSAT, D-LOS, FO, TACTICAL DATA LINK)
10. NATO Capabilities (AGS, (T)BMD, JISR)
11. Facilitate Human Networking amongst the C4ISR Community by participating in a formal class dinner where a high degree of discussion between and among all students and faculty members are required.
12. Enhance the Knowledge of the roles of personnel assigned under different Commands and Management Authorities and other stakeholders.

## Learning Objectives

Upon completion of this course, the student will be able to :

Explore the NATO Services ( C3 Taxonomy),

Analyse the NATO Service management and Control (SMC)

Understand the NATO Mission and Operations , Policy and Guidance.

Differentiate the NATO Customers ( NATO Command and Forces Structure, NCS-NFS) and Service Providers

List the NATO CIS Capabilities,

Describe the NATO User applications and Community of Interest (COI) Services.

Categorise the NATO Core Enterprise Services

Categorise the NATO Communication Services.

Illustrate the Communication Access/Transport Services

Illustrate the Transmission Services

Understand the NATO CIS Security

## Qualification

Certificate of Attendance

## Student Criteria

- Be employed in a C4ISR environment
- Have a general understanding of Information and Communication Technology terms

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OF4,NIC A3,NIC A5,OF5,OF7,CIV,OF2,NIC A4,OF8,OF1,OF9,NIC A6,OF3,NIC A2,OF6

## Special Instructions

N/A

## Security Clearance

NATO RESTRICTED (NR)

## Pre-Course Study Material

N/A

## Background

N/A

## Prerequisite Course

N/A

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

# NATO C4ISR Orientation for NCOs

Course ID

A0103

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 15

Maximum Class Size: 60

Course Length (working days): 5

## Purpose of Course

The purpose of this course is to provide military Non-Commissioned Officers (NCO) and Civilian equivalents from NATO Command Structure (NCS) and NATO Forces Structure (NFS), NATO National entities and supporting NATO Agencies a technical overview of the overall NATO C4ISR Organisation and supported C4ISR Services. The course also provides evidence about the relationships and interactions amongst the various C4ISR components and the supported capabilities. The course will cover the following subjects:

- NATO Mission Policy and Operations
- NATO Structure (NCS/NFS) and Service Providers
- The NATO Services (C3 Service Classification Taxonomy)
  - NATO CIS Capabilities
  - NATO Communication Services.
    - o Transmission Services
    - o Communication Access/Transport Services
    - o NATO Core Enterprise Services
    - o NATO User applications and Community of Interest (COI) Services.
  - NATO Service management and Control (SMC)
  - NATO Cyber Defence
  - NATO Training Services

In detail to provide an overview of current and evolving :

1. NATO Missions, supporting Services, Terminology and Organisation, and NATO CIS Capabilities
2. NATO Command Structure and specifically the two Strategic Commands: Allied Command Operation and Allied Command Transformation.
3. The NATO Customer and Service Provider organization and Mission
4. NATO Transmission Services ( SATCOM, DLOS , TACSAT, Tactical Data Link)
5. NATO CIS Infrastructure: Deployable and Static CIS
6. CIS Security Services (INFOSEC- COMPUSEC- COMSEC, Cyber Defence) principles
7. Functional Area Services ( TOPFAS, LOGISTIC, INTEL, GIS)
8. Command and Control ( LC2 IS, MC2 IS, AirC2IS, NCOP)
9. NATO Capabilities (AGS, (T)BMD, JISR)

## Learning Objectives

Upon completion of this course, the student will be able to :

- Explore the NATO Services ( C3 Taxonomy)
- Analyse the NATO Service management and Control (SMC)
- Understand the NATO Policy, Mission and Operations
- Differentiate the NATO Customers ( NATO Command and Forces Structure, NCS-NFS) and Service Providers
- Describe the NATO CIS Capabilities,
- Describe the NATO User applications and Community of Interest ( COI) Services.

- Categorise the NATO Core Enterprise Services
- Categorise the NATO Communication Services
- Illustrate the Communication Access/Transport Services
- Illustrate the Transmission Services
- Understand the NATO Information Assurance

## Qualification

Certificate of Attendance

## Student Criteria

- Be employed in a CIS oriented Environment
- Have a general understanding of Information and Communication Technology terms

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

NIC B6, OR7, NIC B4, CIV, OR5, OR9, OR4, OR6, OR2, OR8, NIC B5, OR3, OR1, NIC B3

## Special Instructions

N/A

## Security Clearance

NATO RESTRICTED (NR)

## Pre-Course Study Material

N/A

## Background

N/A

## Prerequisite Course

N/A

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

# NATO CIS Planning

Course ID

A0104

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Oeiras (PRT)

Minimum Class Size: 15

Maximum Class Size: 40

Course Length (working days): 5

## Purpose of Course

The purpose of the course is to provide military Officers, Senior Non-Commissioned Officers (NCO) and Civilian equivalents in Planning Functions of NATO Command Structure (NCS) and NATO Forces Structure (NFS), NATO National entities and supporting NATO Agencies the competencies to plan effective and efficient C4ISR Services that support NATO Missions and Exercises. Topics covered include planning aspects:

- NATO Mission and Operations:
  - Policy and Guidance
  - Mission Types
  - Tasks
  - NCS and NFS Structure and Missions (Operations Focused)
  - NATO Exercise and Mission Planning Processes and Events
  - NATO Service management and Control (SMC), static and deployed
  - NATO Federated Mission Networking (FMN) Principles
  - Service Provider Structure and Mission
  - NATO CIS Capability Planning (Operations and Resources):
  - Plans supporting NATO User applications and Community of Interest (COI) Services
  - Planning Aspects of NATO Core Enterprise and Communication Services
  - Planning Aspects of NATO Information Assurance
  - Planning of NATO Individual and Collective Training
- In detail to provide Planning knowledge and competencies in:
- NATO Missions and Operations (Policy, Guidance, Types, and Tasks) with focus on supporting NATO CIS Capabilities
  - The details of the NCS and NFS, Static and Deployed Static and Deployed NATO Service Provider organizations, Missions, Requirements and Resourcing and related Planning aspects
  - The NATO SMC integration and implementation for Deployed Operations
  - Integration of FMN terminology in planning
  - NATO CIS Capability Planning Aspects and supporting Services to include:
  - User Applications - Focus on C2 Applications and Concepts
  - COI - Focus on C2 Services
  - NATO Core Enterprise Services (e.g. Communication and Collaboration Services, Platform Services, Infrastructure Services)
  - Communication Services (Access and Transport, Transmission Services, to include SATCOM, LOS, and Media)
  - Information Assurance (INFOSEC-COM-PUSEC-COMSEC) principles
  - The NATO Individual and Collective Training as a critical factor of effective missions and exercises.

student will be able to:

- Explain NATO Mission and Operations (Policy, Guidance, Types, and Tasks)
- Distinguish static and deployed structures NCS and NFS Structure and Missions
- Apply NATO Exercise and Mission Planning Processes
- Explain NATO Service management and Control (SMC), static and deployed
- Recognize NATO Federated Mission Networking (FMN) Principles
- Plan, coordinate with, and resource Service Providers
- Conduct Planning of NATO CIS Capabilities with focus on:
- NATO User applications and Community of Interest (COI) Services.
- NATO Core Enterprise
- NATO Communication Services
- NATO Information Assurance
- Plan and integrate NATO Individual and Collective Training

## Qualification

NATO CIS Planner

## Student Criteria

- Fulfil a position within the NATO Command Structure (NCS) and NATO Force Structure, NATO National Entities and supporting Agencies.
- Be a requirement of NATO Job Description
- Be or become employed in a NATO CIS and Cyber Planning Function.
- Be or become employed in a national CIS and Cyber Planning Function, with NATO interdependency.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

NIC B3,OF6,OF4,NIC A3,NIC A5,OF5,NIC B6,OR7,OF2,NIC A4,NIC B4,OF1,CIV,NIC A6,OR9,OR6,OF3,NIC A2,OR8,NIC B5

## Special Instructions

The course material is limited currently to NATO RESTRICTED

## Security Clearance

NATO SECRET (NS)

## Pre-Course Study Material

Summary of CIS C4ISR Orientation Course (Organisational Structures NCS, NFS) and NATO CIS terminology.

## Background

NATO C4ISR Orientation Course for Officers (NCISS 101) or NCO (NCISS 103) is desirable, but not essential.

## Prerequisite Course

NATO C4ISR Orientation for Officers, NATO C4ISR Orientation for NCOs

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

## Learning Objectives

Upon completion the course, the qualified

# NATO C4ISR Orientation for Partner Officers

Course ID

A0130

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Oeiras (PRT)

Minimum Class Size: 15

Maximum Class Size: 25

Course Length (working days): 5

## Purpose of Course

The purpose of this course is to provide to military Officers and Civilian equivalents of NATO Partner Nations the knowledge of the overall NATO C4ISR Organisation, supporting and supported Services, and Capabilities including. The course also provides the information about the relationships and interactions amongst the various C4ISR components and the supported capabilities. The course will cover the following subjects:

- The NATO Services ( C3 Taxonomy),
- NATO Service Management and Control (SMC)
- NATO Mission and Operations, Policy and Guidance.
- NATO Customers ( NATO Command and Forces Structure, NCS-NFS) and Service Providers
- NATO CIS Static and Deployable
- NATO User applications and Community of Interest (COI) Services.
- NATO Core Enterprise Services
- NATO Communication Services.
  - o Communication Access/Transport Services
  - o Transmission Services
- NATO CIS Security Services
- NATO Capabilities

In detail to provide insight into current and evolving :

1. NATO Service Terminology and Organisation, NATO (CIS) Capabilities
2. NATO Command Structure and specifically the two Strategic Commands: Allied Command Operation and Allied Command Transformation.
3. NATO Force Structure: Roles , Functions and Capabilities
4. The NATO Customer and Service Provider organization and Mission.
5. The NATO SMC Services (e.g. Service Management Framework, Spectrum Management)
6. NATO Transmission Services ( SATCOM, DLOS , TACSAT, Tactical Data Link)
7. NATO CIS Infrastructure: Deployable and Static CIS
8. CIS Security Services Cyber Defence principles
9. Functional Area Services ( TOPFAS, LOGISTIC, INTEL, GIS)
10. Command and Control ( LC2 IS, MC2 IS,AirC2IS, NCOP)
11. NATO Capabilities (AGS, (T)BMD, JISR)
12. Facilitate Human Networking amongst the C4ISR Community by participating in a formal class dinner where a high degree of discussion between and among all students and faculty members are required.
13. Enhance the Knowledge of the roles of personnel assigned under different Commands and Management Authorities and other stakeholders.

## Learning Objectives

Upon completion of this course, the student

will be able to:

- Explore the NATO Services ( C3 Taxonomy)
- Analyse the NATO Service management and Control (SMC)
- Understand the NATO Mission and Operations , Policy and Guidance
- Differentiate the NATO Customers ( NATO Command and Forces Structure, NCS-NFS) and Service Providers
- List the NATO CIS Capabilities
- Describe the NATO User applications and Community of Interest (COI) Services
- Categorise the NATO Core Enterprise Services
- Categorise the NATO Communication Services
- Illustrate the Communication Access/Transport Services
- Illustrate the Transmission Services
- Understand the NATO CIS Security Concept with specific Reference to Cyber Defence

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

## Qualification

Certificate of Attendance

## Student Criteria

- Be involved in a C4ISR oriented Environment
- Have a general understanding of Information and Communication Technology terms

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OF6,NIC A5,OF4,NIC A3,OF5,OF2,NIC A4,OF1,CIV,NIC A6,OF3,NIC A2

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

N/A

## Prerequisite Course

N/A

## Value Notes

# Allied Information Flow System (AIFS) Administrator

Course ID

A0160

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 4

Maximum Class Size: 8

Course Length (working days): 10

## Purpose of Course

The purpose of the course is to prepare the current and future AIFS administrators, AIFS database managers and AIFS shift supervisors working directly with AIFS in a NATO communication centre. This is not a course for AIMS administrators of remote sites.

Course builds upon the AIFS Operator course (ID 0161) and provides the initial skills to perform AIFS system administration and AIFS table updates.

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- Describe the SUN Solaris Operating System components
- Use components of the Open Windows Environment
- Create and modify files using vi editor
- Create and modify UNIX files and directories
- Modify UNIX file and directory access
- Perform remote operations
- Describe the basics of NIS and DNS
- Perform system boot procedures
- Perform periodic system administration tasks
- Assure functionality of AIFS message channels
- Modify AIFS database files
- Describe the AIFS-AIMS database update process
- Implement AIFS support for remote headquarters
- Implement support for Task Force

Performance will be satisfactory by giving 60% correct answers in a 20 question multiple choice test. The test has to be completed within 60min.

The provided AIFS Administrator Handbooks and the student-s notes may be used.

## Qualification

AIFS Administrator

## Student Criteria

The student must:

- Have been assigned to a NATO / national post in a NATO AIFS communication centre,
- Have met the Background Knowledge Prerequisites for this course,
- Have working knowledge of ACP 127 message procedure
- Have successfully completed the AIFS Operator course at NCISS (ID 0161).

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

NIC B3,OF6,NIC A5,OF4,NIC A3,NIC B6,OR7,OF5,OR5,NIC B4,OF2,NIC A4,OF1,OR4,CIV,OR9,NIC A6,OR6,OR2,OF3,OR8,NIC A2,OR3,OR1,NIC B5

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

The student must:

- Be qualified as AIFS operator (NCISS course ID 0161).
- Have working experience in a message communications centre or similar facility.
- Have working experience as AIFS Operator (recommended 3 months).
- Have working knowledge of ACP 127 message procedure.
- Have working knowledge of the use of Windows based user interfaces.

Recommended:

- Working knowledge of computer hardware.
- Working knowledge of computer operating systems, preferably UNIX based.
- Working knowledge of computer network principles.
- Working knowledge of system administration in a server based environment.

## Prerequisite Course

Allied Information Flow System (AIFS) Operator/Shift Supervisor

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)



## Allied Information Flow System (AIFS) Operator/Shift Supervisor

Course ID

A0161

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 4

Maximum Class Size: 8

Course Length (working days): 5

## Purpose of Course

The purpose of the course is to prepare current and future AIFS operators and AIFS shift supervisors working directly with AIFS in a NATO communication centre.

This is not a course for AIMS administrators of remote sites.

This course provides the initial skills to work as ACP127 message operator using AIFS. Course is the mandatory prerequisite course for AIFS Administrator course (NCISS ID 0160).

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- Describe the purpose of AIFS and its components
- Use the elements of the MVO/ MSO working environment
- Operate AIFS message channels
- Take appropriate action on system rejected incoming and outgoing messages
- Use available AIFS programs to support communication centre functions
- Check and release outgoing messages
- Choose and change the required operation mode

## Qualification

AIFS Operator

## Student Criteria

The student must:

- Have been assigned to a NATO / national post in a NATO AIFS communication centre,
- Have met the Background Knowledge Prerequisites for this course,
- Have working knowledge of ACP 127 message procedure.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

NIC B3,OF6,NIC A5,OF4,NIC A3,NIC B6,OR7,OF5,OR5,NIC B4,OF2,NIC A4,OF1,OR4,CIV,OR9,NIC A6,OR6,OR2,OF3,OR8,NIC A2,OR1,OR3,NIC B5

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

- Student has to attend the Allied Information Flow system pre-study material (ID 0600 or 0106) course at <https://jadl.act.nato.int/>
- More detailed information is available here: [https://www.nciss.nato.int/ADL\\_joining\\_instruction.php](https://www.nciss.nato.int/ADL_joining_instruction.php)

## Background

The student must have:

- Complete familiarity with ACP 127 NATO Supp (3)
- Qualification as ACP 127 Operator
- Familiarity with modern computer systems using windows type Graphic User Interface
- Working experiences as operator in a Communication Centre / Message Relay Centre / Ship Message Operation Centre or similar environment.
- Pre-study material completed on-line.

## Prerequisite Course

AIFS Pre-study (ADL)

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

# Radio Frequency Spectrum Management and Tools for NATO Operations and Exercises

Course ID

**A0180**

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 8

Maximum Class Size: 18

Course Length (working days): 10

## Purpose of Course

To provide military and civilian personnel from NATO Countries with knowledge and skills to:

- Cover a post as Spectrum /Frequency Manager in PE/CE
- Coordinate SM/FM with all JTF internal and external EME stakeholders
- Understand relevant links /interfaces between national units, NCS/NFS and host nations
- Implement NATO policy and procedures for SM/FM
- Use current NATO SM/FM tools to efficiently manage the RFS
- Consider the use of additional supportive tools available for NATO Ops and Exs

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- Manage and control all frequency allotment/ assignment/allocation on free interference basis issued to a NATO Command as appropriate;
- Be familiar with staff frequency management procedures to support NATO contingency operations and exercises;
- Familiar with the requirement and process to negotiate spectrum requirement in theatre with civilian organization and other international organization.

Upon completion of the course, the qualified student will be able to:

- Understand and implement SM / FM procedures to support NATO operations and exercises
- Control and manage all frequency allocation / allotment / assignment issued to a NATO Command on interference free basis by efficiently use of the SM / FM tools provided
- Understand and execute the RFS requirement collection process using the provided tools
- Understand the process to obtain all required RFS from a host nation, be it military or civilian
- Use the provided SM / FM tool to assign and manage interference free frequencies / allotments out of HN provided allocations / allotments
- Use the Engineering features of the SM / FM tools provided
- Use the provided SM / FM tools to efficiently manage JRFL records
- Know all required coordination / cooperation between EME stakeholders related to his /her level and position within the EMB
- Use NATO policy, procedures, coordination platforms and provided tools for the

interference resolution process

## Qualification

Spectrum/Frequency Manager for Operations and Exercises

## Student Criteria

1. Current / planned posting as SM / FM on NATO CE / PE
2. Current / planned posting as SM / FM within NFS
3. Current/ planned posting as NATO National SM / FM

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

NIC B3,OF6,NIC A5,OF4,NIC A3,NIC B6,OR7,OF5,OR5,NIC B4,OF2,NIC A4,OF1,OR4,CIV,OR9,NIC A6,OR6,OR2,OF3,OR8,NIC A2,OR1,OR3,NIC B5

## Special Instructions

N/A

## Security Clearance

NATO RESTRICTED (NR)

## Pre-Course Study Material

Mandatory to attend the FMBC On Line Tutorial website (requires an account to use the eLearning function)

## Background

Recommended attendance either NATO FM Basics Course (id 182 or 181) or a national equivalent (frequency management training).

## Prerequisite Course

Spectrum Management for NATO and Partners,Spectrum Management for NATO

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

# Spectrum Management for NATO and Partners

Course ID

A0181

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 15

Maximum Class Size: 40

Course Length (working days): 5

## Purpose of Course

The purpose of the course is to provide military and civilian personnel from NATO and Partner Nations with the fundamentals of Frequency Management with an emphasis on Spectrum Management in support of NATO.

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- Be acquainted with International spectrum issues and their impact on NATO military Operations;
- Understand NATO Spectrum Management and its embedding in NATO's structure and C3 organization;
- Understand the Alliance Consultation and Co-operation in Spectrum Management with non-NATO and national civilian/military Spectrum Administrations;
- Understand NATO Frequency Assignment processes;
- Be familiar with NATO Spectrum Management rules, regulations and directives.

## Qualification

Frequency or Spectrum Manager

## Student Criteria

Have good knowledge and experience of the prerequisites for this course. Assigned to or preparing to be assigned to a FM position.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

NIC B5,NIC B3,OF6,NIC A5,OF4,NIC A3,NIC B6,OR7,OF5,OR5,NIC B4,OF2,NIC A4,OF1,OR4,CIV,OR9,NIC A6,OR6,OR2,OF3,OR8,NIC A2,OR1,OR3

## Special Instructions

NATO Unclassified releasable to partners.

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

Review of FMBC On Line Tutorial website (requires an account to use the eLearning

function).

## Background

Basic knowledge of radio transmission techniques.

## Prerequisite Course

N/A

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

# Spectrum Management for NATO

Course ID

A0182

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 15

Maximum Class Size: 40

Course Length (working days): 5

## Purpose of Course

The purpose of the course is to provide military and civilian personnel from NATO Nations and organizations with the fundamentals of Frequency Management with an emphasis on Spectrum Management in support of NATO.

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- Be acquainted with international spectrum issues and their impact on NATO military Operations;
- Understand NATO Spectrum Management and its embedding in NATO-s structure and C3 organization;
- Understand the Alliance Consultation and Co-operation in Spectrum Management with non-NATO and national civilian/military Spectrum Administrations;
- Understand NATO Frequency Assignment processes;
- Be familiar with NATO Spectrum Management rules, regulations and directives.

## Qualification

Frequency or Spectrum Manager

## Student Criteria

The student must:

- Have good knowledge and experience concerning the prerequisites for this course;
- Assigned to or preparing to be assigned to a Frequency Management position.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OR1,OR3,NIC B5,NIC B3,OF6,NIC A5,OF4,NIC A3,NIC B6,OR7,OF5,OR5,NIC B4,OF2,NIC A4,OF1,OR4,CIV,OR9,NIC A6,OR6,OR2,OF3,OR8,NIC A2

## Special Instructions

N/A

## Security Clearance

NATO SECRET (NS)

## Pre-Course Study Material

Review of FMBC On Line Tutorial website

(requires an account to use the eLearning function).

## Background

Basic knowledge of radio transmission techniques.

## Prerequisite Course

N/A

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

## Spectrum Management Basics (SMB) for ANDSF

Course ID

A0188

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Mobile Training Team

Minimum Class Size: 8

Maximum Class Size: 15

Course Length (working days): 10

## Purpose of Course

The purpose of the course is to provide Afghan National Defence and Security Forces (ANDSF) personnel:

- Basics knowledge of Spectrum Management in order to improve their ability to effectively manage the Radio Frequency Spectrum (RFS) in Afghanistan for Military purposes;
- An overview of what Spectrum Management is;
- Knowledge of Frequency Management Techniques and Terminology;
- An overview of the relation between Frequency Management and International organization.

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- Acquire the basic knowledge of the Spectrum Management with the goal of preparing him to attend the next level of training defined as the Spectrum Management Intermediate Course (SMIC) for ANDSF (NCISS course ID 0191);
- Understand technical concepts related to Spectrum Management;
- Define the difference between Frequency Management and Spectrum Management;
- Explain the technical concepts applied to SM.

## Qualification

Spectrum Manager for ANDSF (Basic)

## Student Criteria

The student must:

- Be assigned to an Afghan National Establishment within a Radio Communication or IT section;
- Have experience on Radio Communications and/or some IT skills;
- Have met the Background Knowledge Prerequisites for this course.

## Language Proficiency

In accordance with STANAG 6001: English SLP 2222

## Rank/Grade

OF3,OR8,NIC A2,OR1,OR3,NIC B5,NIC B3,OF6,NIC A5,OF4,NIC A3,NIC B6,OR7,OF5,OR5,NIC B4,OF2,NIC A4,OF1,OR4,CIV,OR9,NIC A6,OR6,OR2

## Special Instructions

Two interpreters are required by the hosting organization from/to English/Dari and vice versa.

Printouts in English and Dari are required.

Releasable to GfRoA (according to ANDSF regulations and policies).

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

- The student must be familiar with the use of a PC including the use of the mouse and the keyboard at least in Dari
- The student must be familiar with the use of a Graphical User Interface (GUI) like Windows

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Spectrum Management Intermediate (SMI) for ANDSF

Course ID

A0191

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Mobile Training Team

Minimum Class Size: 8

Maximum Class Size: 15

Course Length (working days): 10

## Purpose of Course

The purpose of the course is to prepare Afghan National Defence and Security Forces (ANDSF) personnel.

To acquire:

- Intermediate knowledge of Spectrum Management in order to improve their ability to effectively manage the Radio Frequency Spectrum (RFS) in Afghanistan for Military purposes;
- Understanding of Frequency International Management Policy and Process;
- Knowledge of documents related to Frequency management topics;
- Explanation on the ITU-R /Regional FM authorities Procedures.

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- Acquire the intermediate knowledge of the Spectrum Management with the goal of preparing him to attend the next level of training defined as the Spectrum Management Advanced (SMA) for ANDSF (NCISS course ID 0192);
- Acquire the knowledge of different frequencies bands and their usage;
- Acquire the knowledge of Frequency/ Spectrum Management Policy;
- Understand the meaning of frequency supportability;
- Exercise and prove his acquired knowledge through the Final assessment exam.

## Qualification

Spectrum Manager for ANDSF (Intermediate)

## Student Criteria

The student must:

- Be assigned to an Afghan National Establishment within a Radio Communication or IT section;
- Have experience on Radio Communications and/or some IT skills;
- Have met the Background Knowledge Prerequisites for this course.

## Language Proficiency

In accordance with STANAG 6001: English SLP 2222

## Rank/Grade

OR9,NIC A6,OR6,OR2,OF3,OR8,NIC A2,OR1,OR3,NIC B5,NIC B3,OF6,NIC A5,OF4,NIC A3,NIC B6,OR7,OF5,OR5,NIC B4,OF2,NIC

A4,OF1,OR4,CIV

## Special Instructions

Two interpreters are required by the hosting organization from/to English/Dari and vice versa.

Printouts in English and Dari are required.

Releasable to GfRoA (according to ANDSF regulations and policies).

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

- The student must be familiar with the use of a PC including the use of the mouse and the keyboard at least in Dari
- The student must be familiar with the use of a Graphical User Interface (GUI) like Windows.
- The student has attended the Spectrum Management Basics course (SMBC) for ANDSF (NCISS course ID 0188)

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)



# Spectrum Management Advanced (SMA) for ANDSF

Course ID

A0192

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Mobile Training Team

Minimum Class Size: 8

Maximum Class Size: 15

Course Length (working days): 10

## Purpose of Course

The purpose of the course is to provide Afghan National Defence and Security Forces (ANDSF) personnel:

- Acquire the advanced knowledge of Spectrum Management in order to improve their ability to effectively manage the Radio Frequency Spectrum (RFS) in Afghanistan for Military purposes;
- Understanding the Radio Frequency Spectrum associated with Forces Requirements;
- Understanding the main communication system frequency Bands;
- Information on the relation between advanced communication system and Spectrum/ Frequency Management.

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- Acquire the advanced knowledge of SM in order to improve their ability to effectively manage the Radio Frequency Spectrum (RFS) in Afghanistan for Military purposes;
- Acquire the advanced theory of different communication techniques;
- Be familiar with Satellite, RADAR, EPM and Navigation Systems;
- Have an overview on RFS requirements for LAND/AIR/MARITIME;
- Exercise and prove his acquired knowledge through the Final assessment exam.

## Qualification

Spectrum Manager for ANDSF (Advanced)

## Student Criteria

The student must:

- Be assigned to an Afghan National Establishment within a Radio Communication or IT section;
- Have experience on Radio Communications and/or some IT skills;
- Have met the Background Knowledge Prerequisites for this course.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OF1,OR4,CIV,OR9,NIC A6,OR6,OR2,OF3,OR8,NIC A2,OR1,OR3,NIC B5,NIC B3,OF6,NIC A5,OF4,NIC A3,NIC B6,OR7,OF5,OR5,NIC B4,OF2,NIC A4

## Special Instructions

Two interpreters are required by the hosting

organization from/to English/Dari and vice versa.

Printouts in English and Dari are required.

Releasable to GIROA (according to ANDSF regulations and policies).

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

- The student must be familiar with the use of a PC including the use of the mouse and the keyboard at least in Dari
- The student must be familiar with the use of a Graphical User Interface (GUI) like Windows
- The student has attended the Spectrum Management Intermediate Course (SMIC) for ANDSF (NCISS course ID 0191)

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Spectrum XXI Basics (SXXIB) for ANDSF

Course ID

A0193

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Mobile Training Team

Minimum Class Size: 8

Maximum Class Size: 15

Course Length (working days): 10

## Purpose of Course

The purpose of the course is to provide Afghan National Defence and Security Forces (ANDSF) personnel:

- Acquire the basics knowledge of SXXI Software (SW) in order to improve their ability to effectively manage the Radio Frequency Spectrum (RFS) in Afghanistan for Military purposes;
- An overview of what a SXXI SW is and what are its typical applications;
- Acquire Basic capabilities of the SXXI SW with focus on its main functions;
- Acquire Basic familiarization of the SXXI client SW.

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- Acquire the basic knowledge of the SXXI SW with the goal of preparing him to attend the next level of training defined as the SXXI Intermediate Course (SXXIIC) for ANDSF (NCISS Course ID 0194);
- Be familiar with the SXXI SW according to the training schedule;
- Set up properly all parameters prior to use the SXXI SW;
- Explain how to start and how to populate the SXXI SW DB;
- Perform a final assessment.

## Qualification

Spectrum XXI User for ANDSF (Basic)

## Student Criteria

The student must:

- Be assigned to an Afghan National Establishment within a Radio Communication or IT section;
- Have experience on Radio Communications and/or some IT skills;
- Have met the Background Knowledge Prerequisites for this course.

## Language Proficiency

In accordance with STANAG 6001: English SLP 2222

## Rank/Grade

OF2,NIC A4,OF1,OR4,CIV,OR9,NIC A6,OR6,OR2,NIC A2,OF3,OR8,OR1,OR3,NIC B5,NIC B3,OF6,NIC A5,OF4,NIC A3,NIC B6,OR7,OF5,OR5,NIC B4

## Special Instructions

Two interpreters are required by the hosting organization from/to English/Dari and vice versa.

Printouts in English and Dari are required.

Releasable to GIROA (according to ANDSF regulations and policies).

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

- The student must be familiar with the use of a PC including the use of the mouse and the keyboard at least in Dari
- The student must be familiar with the use of a Graphical User Interface (GUI) like Windows
- The student has attended the Spectrum Management Basics Course (SMBC) for ANDSF (NCISS course ID 0188)

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Spectrum XXI Intermediate (SXXII) for ANDSF

Course ID

A0194

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Mobile Training Team

Minimum Class Size: 8

Maximum Class Size: 15

Course Length (working days): 10

## Purpose of Course

The purpose of the course is to provide Afghan National Defence and Security Forces (ANDSF) personnel:

- Acquire the intermediate knowledge of SXXI in order to improve their ability to effectively manage the Radio Frequency Spectrum (RFS) in Afghanistan for Military purposes;
- An initial introduction on what the SXXI Server/Client configuration is and what are its typical applications;
- Acquire capabilities of the SXXI Server/Client configuration with hands on and practical demonstrations;
- Increase the level of confidence with the SXXI SW using the SXXI Server/Client configuration.

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- Acquire the intermediate knowledge of the SXXI SW with the goal of preparing him to attend the next level of training defined as the SXXI Advanced Course (SXXIAC) for ANDSF (NCISS course ID 0195);
- Explain the Frequency Proposal and the Nomination processes;
- Manage the Assignment procedure;
- Provide an overview of what a SXXI/Server is and its applications;
- Manage the SXXI Client SW together with the SXXI Server SW;
- Make an initial Data Exchange with the Server and the Clients;
- Explain the Interference Conflict Margin (ICM);
- Understand the meaning of Area of Interest (Aoi);
- Set up Job Accounts (JAs).

## Qualification

Spectrum XXI User for ANDSF (Intermediate)

## Student Criteria

The student must:

- Be assigned to an Afghan National Establishment within a Radio Communication or IT section;
- Have experience on Radio Communications and/or some IT skills;
- Have met the Background Knowledge Prerequisites for this course.

## Language Proficiency

In accordance with STANAG 6001: English SLP

2222

## Rank/Grade

NIC B4,OR5,OF2,NIC A4,OF1,OR4,CIV,OR9,NIC A6,OR6,OR2,NIC A2,OF3,OR8,OR1,OR3,NIC B5,NIC B3,OF6,OR7,NIC A5,OF4,NIC A3,NIC B6,OF5

## Special Instructions

Two interpreters are required by the hosting organization from/to English/Dari and vice versa.

Printouts in English and Dari are required.

Releasable to GfRoA (according to ANDSF regulations and policies).

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

- The student must be familiar with the use of a PC including the use of the mouse and the keyboard at least in Dari
- The student must be familiar with the use of a Graphical User Interface (GUI) like Windows.
- The student has attended the SXXI Basics Course (SXXIBC) for ANDSF (NCISS course ID 0193)

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Spectrum XXI Advanced (SXXIA) for ANDSF

Course ID

A0195

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Mobile Training Team

Minimum Class Size: 8

Maximum Class Size: 15

Course Length (working days): 10

## Purpose of Course

The purpose of the course is to provide Afghan National Defence and Security Forces (ANDSF) personnel:

- Acquire the advanced knowledge of SXXI in order to improve their ability to effectively manage the Radio Frequency Spectrum (RFS) in Afghanistan for Military purposes;
- Understands all SXXI Software Client/Server application including associated tools;
- Analyse and find correct actions during hands on and practical lessons;
- Understand the meaning and the use of the Joint Frequency Restricted List (JRFL).

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- Acquire the advanced knowledge of the SXXI SW with the goal of preparing him to manage the SXXI SW in support of national Frequency Management issues;
- Assign Frequencies Proposal with the right procedure;
- Manage the Join Restricted Frequency List SXXI DataBase;
- Continue to familiarize with the SXXI Server/Client configuration;
- Understand the SXXI Engineering Tools features;
- Perform the final practical Exam.

## Qualification

Spectrum XXI User for ANDSF (Advanced)

## Student Criteria

The student must:

- Be assigned to an Afghan National Establishment within a Radio Communication or IT section;
- Have experience on Radio Communications and/or some IT skills;
- Have met the Background Knowledge Prerequisites for this course.

## Language Proficiency

In accordance with STANAG 6001: English SLP 2222

## Rank/Grade

NIC B4,OR5,OF2,NIC A4,OF1,OR4,CIV,OR9,NIC A6,OR6,OR2,NIC A2,OF3,OR8,OR1,OR3,NIC B5,NIC B3,OF6,OR7,NIC A5,OF4,NIC A3,NIC B6,OF5

## Special Instructions

Two interpreters are required by the hosting organization from/to English/Dari and vice versa.

Printouts in English and Dari are required.

Releasable to GIROA (according to ANDSF regulations and policies).

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

- The student must be familiar with the use of a PC including the use of the mouse and the keyboard at least in Dari
- The student must be familiar with the use of a Graphical User Interface (GUI) like Windows
- The student has attended the SXXI Intermediate Course (SXXIIC) for ANDSF (NCISS course ID 0194)

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

# Spectrum Analyser Basics (SAB) for ANDSF

Course ID

A0196

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Mobile Training Team

Minimum Class Size: 8

Maximum Class Size: 15

Course Length (working days): 10

## Purpose of Course

The purpose of the course is to provide Afghan National Defence and Security Forces (ANDSF) personnel:

- Acquire the basics knowledge of a Spectrum Analyser (SA) as a first and necessary step towards their ability to effectively manage, by also monitoring, the Radio Frequency Spectrum (RFS) in Afghanistan for Military purposes;
- An overview of what a SA is and what are its typical applications;
- Understand and acquire the basic knowledge of the capabilities of the instrument with focus on its main functions;
- Explanation on the instrument associated tools including antenna(e) and cable(s);
- Familiarization with the instrument by acquiring the basic information required for the SA initial calibration for the proper operation of its main functionalities through its soft keys functions.

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- Acquire the basic knowledge of the Spectrum Analyser with the goal of preparing him to attend the next level of training defined as the Spectrum Analyser Intermediate Course (SAIC) for ANDSF (NCISS course ID 0197);
- Introduce the SA basics capabilities while an interference is discovered;
- Understand all the correct parameters to be set up prior to use the SA;
- Explain Antennae features to be used with the SA;
- Be familiar with the SA Block Diagram;
- Be familiar with the SA theory lessons according to the training schedule.

## Qualification

Spectrum Analyser for ANDSF (Basic)

## Student Criteria

The student must:

- Be assigned to an Afghan National Establishment within a Radio Communication or IT section;
- Have experience on Radio Communications and/or some IT skills,
- Have met the Background Knowledge Prerequisites for this course.

## Language Proficiency

In accordance with STANAG 6001: English SLP 2222

## Rank/Grade

NIC B4,OR5,OF2,NIC A4,OF1,OR4,CIV,OR9,NIC A6,OR6,OR2,NIC A2,OF3,OR8,OR1,OR3,NIC B5,NIC B3,OF6,OR7,NIC A5,OF4,NIC A3,NIC B6,OF5

## Special Instructions

Two interpreters are required by the hosting organization from/to English/Dari and vice versa.

Printouts in English and Dari are required.

Releasable to GIRoA (according to ANDSF regulations and policies).

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

- The student must be familiar with the use of a PC including the use of the mouse and the keyboard at least in Dari.
- The student must be familiar with the use of a Graphical User Interface (GUI) like Windows.

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Spectrum Analyser Intermediate (SAI) for ANDSF

A0197

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Mobile Training Team

Minimum Class Size: 8

Maximum Class Size: 15

Course Length (working days): 10

## Purpose of Course

The purpose of the course is to provide Afghan National Defence and Security Forces (ANDSF) personnel:

- Acquire the intermediate knowledge of Spectrum Analyser as a second and necessary step towards their ability to effectively manage, by also monitoring, the Radio Frequency Spectrum (RFS) in Afghanistan for Military purposes;
- Understand and practice with the main functions of the instruments (SAs);
- Acquire the knowledge of the capabilities of the instrument with hands on and practical demonstrations;
- Increase the level of confidence with the SA by using the instrument itself.

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- Acquire the intermediate knowledge of the Spectrum Analyser with the goal of preparing him to attend the next level of training defined as the Spectrum Analyser Advanced Course (SAAC) for ANDSF (NCISS course ID 0198);
- Explain the Spectrum Analyser main functions, applications and features in order to increase the level of knowledge of the instrument as a whole;
- Explain the functions of the different soft keys and the associated software.

## Qualification

Spectrum Analyser for ANDSF (Intermediate)

## Student Criteria

The student must:

- Be assigned to an Afghan National Establishment within a Radio Communication or IT section;
- Have experience on Radio Communications and/or some IT skills;
- Have met the Background Knowledge Prerequisites for this course.

## Language Proficiency

In accordance with STANAG 6001: English SLP 2222

## Rank/Grade

OF5,NIC B4,OR5,OF2,NIC  
A4,OF1,OR4,CIV,OR9,NIC A6,OR6,OR2,NIC  
A2,OF3,OR8,OR1,OR3,NIC B5,NIC  
B3,OF6,OR7,NIC A5,OF4,NIC A3,NIC B6

## Special Instructions

Two interpreters are required by the hosting organization from/to English/Dari and vice versa.

Printouts in English and Dari are required.

Releasable to GIROA (according to ANDSF regulations and policies).

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

- The student must be familiar with the use of a PC including the use of the mouse and the keyboard at least in Dari.
- The student must be familiar with the use of a Graphical User Interface (GUI) like Windows.
- The student has attended the Spectrum Analyser Basics Course (SMBC) for ANDSF (NCISS course ID 0196)

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)



## Spectrum Analyser Advanced (SAA) for ANDSF

Course ID

A0198

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Mobile Training Team

Minimum Class Size: 8

Maximum Class Size: 15

Course Length (working days): 10

## Purpose of Course

The purpose of the course is to provide Afghan National Defence and Security Forces (ANDSF) personnel:

- Acquire the advanced knowledge on the use of the Spectrum Analyser (SA) for their ability to effectively manage, by monitoring, the Radio Frequency Spectrum (RFS) in Afghanistan for Military purposes;
- Understand all the applications of the Spectrum Analyser including associated tools;
- Analyse, identify and perform the required correct actions during fault finding lessons;
- Practical exercise in the outdoor environment.

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- Acquire the advanced knowledge of the SA in order to improve his ability to effectively manage the RFS in Afghanistan for Military purposes;
- Explain the SA capabilities when it is required to deal with an interference and identify the necessary actions to be taken;
- Acquire a good confidence with the instrument and its software;
- Identify frequencies to be analysed when dealing with Frequency Management matters;
- Get the proper knowledge of both the SA hardware and software.

## Qualification

Spectrum Analyser for ANDSF (Advanced)

## Student Criteria

The student must:

- Be assigned to an Afghan National Establishment within a Radio Communication or IT section;
- Have experience on Radio Communications and/or some IT skills;
- Have met the Background Knowledge Prerequisites for this course.

## Language Proficiency

In accordance with STANAG 6001: English SLP 2222

## Rank/Grade

OR7,NIC A5,OF4,NIC A3,NIC B6,OF5,NIC B4,OR5,OF2,NIC A4,OF1,OR4,CIV,OR9,NIC A6,OR6,OR2,NIC A2,OF3,OR8,OR1,OR3,NIC B5,NIC B3,OF6

## Special Instructions

Two interpreters are required by the hosting organization from/to English/Dari and vice versa.

Printouts in English and Dari are required.

Releasable to GIROA (according to ANDSF regulations and policies).

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

- The student must be familiar with the use of a PC including the use of the mouse and the keyboard at least in Dari
- The student must be familiar with the use of a Graphical User Interface (GUI) like Windows
- The student has attended the Spectrum Analyser Intermediate Course (SAIC) for ANDSF (NCISS course ID 0197)

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Allied Deployment and Movements System (ADAMS) Staff Officer

Course ID

A0220

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Oeiras (PRT)

Minimum Class Size: 10

Maximum Class Size: 16

Course Length (working days): 5

## Purpose of Course

To provide military and civilian personnel at NATO, NATO Nations, all partner Nations and Organisations Headquarters with training in the use of the Allied Deployment and Movements System (ADAMS) module for the Logistic Deployment/Redeployment analysis and planning activities of forces and sustainment.

This will include movements planning, co-ordination, analysis and execution.

## Learning Objectives

On completion of this course the student will be able to:

- Describe the LOGFAS Data input requirements and procedures; in accordance with NATO stated and/or applied standards.
- Describe the procedures applied in the creation of an ADAMS Detailed Deployment Plan (DDP) and Detailed Redeployment Plan (DRP).
- Load, view and analyse DDPs/DRPs using the ADAMS Module.
- Merge multiple national and HQ DDPs/DRPs to create a multi-nation DDP/DRP (MNDDP/DRP).
- Describe the principles of movements deconfliction and the use of the ADAMS Module for analysis of situations requiring deconfliction.
- Use the LOGFAS Common and ADAMS Modules and functions for mapping, analysis and reporting to support the work of the Staff Officer, report creation and presentations.

## Qualification

Allied Deployment and Movements System (ADAMS) Staff Officer

## Student Criteria

The candidate must:

- Be assigned to a NATO, NATO Nation, Partner Nation and Organisation Headquarters position where the relevant LOGFAS software is or is to be used and applied.
- Meet the stated background knowledge prerequisites.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OF6,NIC A5,OF4,NIC A3,OF5,OF2,NIC A4,OF1,NIC A6,NIC A2,OF3

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

The candidate must be able to display and prove theoretical and/or practical skills relating to the deployment/redeployment of National and Allied Forces.

The candidate must have a basic working knowledge of Microsoft Windows and the common Microsoft Office applications (Word, PowerPoint and Excel).

## Prerequisite Course

N/A

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

# Allied Commands Resource Optimisation Software System (ACROSS) Operator

Course ID

A0221

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 10

Maximum Class Size: 16

Course Length (working days): 10

## Purpose of Course

To provide military and civilian personnel at NATO, NATO Operational and NATO Nation Headquarters with training to use the Allied Commands Resource Optimisation Software System (ACROSS) modules of the Logistic Functional Area Services (LOGFAS) software, to support stockpile planning activities and guidance. The use of the software to support staff work.

N/A

## Security Clearance

NATO RESTRICTED (NR)

## Pre-Course Study Material

N/A

## Background

The candidate must be able to display and eventually prove theoretical and/or practical skills relating to supply stockpiling and sustainment planning.

The candidate must have a basic working knowledge of Microsoft Windows and the common Microsoft Office applications (Word, PowerPoint and Excel).

## Learning Objectives

On completion of this course the student will be able to:

- Comprehend the LOGFAS Data input requirements and procedures.
- Create a Force Profile and Holdings file.
- Create National Payloads.
- Comprehend the concept of Stockpile Optimisation.
- Use the SPM, SDM and ACROSS modules/models for stockpile and sustainment calculation and analysis.
- Modify the ACROSS module/models parameters to represent operational realism, national policy and operational doctrine.
- View and save the model results.

## Prerequisite Course

N/A

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

## Qualification

Allied Commands Resource Optimisation Software System (ACROSS) Operator (LOGFAS Vs 6.3.1)

## Student Criteria

The candidate must:

- Be assigned to a NATO or NATO Nation Post with responsibility for Stockpile and Sustainment Planning.
- Meet the stated background knowledge prerequisites.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OR7,NIC B6,OF6,NIC A5,OF4,NIC A3,OF5,NIC B4,OR5,OR4,CIV,OF2,NIC A4,OR9,OF1,OR6,OR2,NIC A6,OR8,NIC A2,OR1,OF3,OR3,NIC B5,NIC B3

## Special Instructions

# Coalition Reception, Staging and Onward Movement (CORSOM) Operator

Course ID

A0222

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 10

Maximum Class Size: 16

Course Length (working days): 5

## Purpose of Course

To provide military and civilian personnel at NATO, NATO Nations, Partner Nations and Organisations Headquarters with training in the use of the Coalition Reception, Staging and Onward Movement (CORSOM) Module of the Logistic Functional Area Services (LOGFAS) software, to support force deployment planning and execution control, and analysis activities. The use of the software to support staff work.

## Learning Objectives

On completion of this course the student will be able to:

- Describe the concept and carry out deployment planning and execution.
- Describe the use of a Detailed Deployment Plan (DDP) as the basis for RSOM planning, or insert the required information directly into the module, or import individual Movement Requests that support current operations.
- Describe how the module display and views can be modified for use and/or display planned and actual movements giving visibility of the movements situation.
- Use the CORSOM module to support RSOM analysis, planning and execution, and the work of the Staff Officer.

## Qualification

Coalition Reception, Staging and Onward Movement (CORSOM) Operator

## Student Criteria

The candidate must:

- Be assigned to a NATO, NATO Nation, Partner Nations and Organisations Headquarters position where the relevant LOGFAS software is or is to be used and applied.
- Meet the stated background knowledge prerequisites.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

NIC B3,OR7,NIC B6,OF6,NIC A5,OF4,NIC A3,OF5,NIC B4,OR5,OR4,CIV,OF2,NIC

A4,OR9,OF1,OR6,OR2,NIC A6,OR8,NIC A2,OR1,OF3,OR3,NIC B5

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

The candidate must be able to display and eventually prove theoretical and/or practical skills relating to force deployment planning, execution and analysis.

Candidates must have attended a NCISS Certified LOGFAS Fundamentals and Basic Data Operator Course (NCISS Code 0254), unless upgrading from a previous Version of LOGFAS (Version or Application) for which suitable and acceptable NCISS Certification has been awarded.

The details of the attended GFAS Fundamentals and Basic Data Operator Course (NCISS Code 0254) should be shown in the Remarks Section of the NCISS Joining Report format.

If the candidate has not completed a LOGFAS Fundamentals and Basic Data Operator Course (NCISS Code 0254) but wishes to submit evidence of suitability to attend the course they are to provide details in the Remarks Section of the NCISS Joining Report format. The provided evidence will be evaluated by the NCISS Lead LOGFAS Instructor. If accepted the candidate will be allocated to a course, if not accepted the Joining Report will be rejected.

If rejected, the reasons for the decision of the NCISS Lead LOGFAS Instructor will be provided to the requesting authority and the candidate. The candidate must have a basic working knowledge of Microsoft Windows and the common Microsoft Office applications (Word, PowerPoint and Excel).

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

## Prerequisite Course

Logistic Functional Area Services (LOGFAS) Fundamentals & Basic Data Operator

## Value Notes

# Effective Visible Execution (EVE) Operator

Course ID

A0223

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Oeiras (PRT)

Minimum Class Size: 10

Maximum Class Size: 16

Course Length (working days): 5

## Purpose of Course

To provide military and civilian personnel at NATO, NATO Nations, Partner Nations and Organisations Headquarters with training in the use of the Effective Visible Execution (EVE) Module of the Logistic Functional Area Services (LOGFAS) software, to support force deployment, execution control and analysis activities.

The use of the software to support staff work.

## Learning Objectives

On completion of this course the student will be able to:

- Create a Flow Execution Plan (FEP) using an ADAMS Detailed Deployment Plan (DDP) as the basis, or by inserting the required information directly in to the EVE module or by the importation of Movement Requests.
- Describe how the module views can be modified for use and/or display.
- Describe the concept and carry out deployment planning and execution.
- Use the EVE module to support analysis and statistical data gathering.

## Qualification

Effective Visible Execution (EVE) Operator

## Student Criteria

The candidate must:

Be assigned to a NATO, NATO Nation, Partner Nation and Organisations Headquarters position where the relevant LOGFAS software is or is to be used and applied.

Meet the stated background knowledge prerequisites.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

NIC B3,OR7,NIC B6,OF6,NIC A5,OF4,NIC A3,OF5,NIC B4,OR5,OR4,CIV,OF2,NIC A4,OR9,OF1,OR6,OR2,NIC A6,OR8,NIC A2,OR1,OF3,OR3,NIC B5

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

The candidate must be able to display and eventually prove theoretical and/or practical skills relating to force deployment planning, execution and analysis.

Candidates must have attended a NCISS Certified LOGFAS Fundamentals and Basic Data Operator Course (NCISS Code 0254), unless upgrading from a previous Version of LOGFAS (Version or Application) for which suitable and acceptable NCISS Certification has been awarded.

The details of the attended LOGFAS Fundamentals and Basic Data Operator Course (NCISS Code 0254) should be shown in the Remarks Section of the NCISS Joining Report format.

If the candidate has not completed a LOGFAS Fundamentals and Basic Data Operator Course (NCISS Code 0254) but wishes to submit evidence of suitability to attend the course they are to provide details in the Remarks Section of the NCISS Joining Report format. The provided evidence will be evaluated by the NCISS Lead LOGFAS Instructor. If accepted the candidate will be allocated to a course, if not accepted the Joining Report will be rejected.

If rejected, the reasons for the decision of the NCISS Lead LOGFAS Instructor will be provided to the requesting authority and the candidate. The candidate must have a basic working knowledge of Microsoft Windows and the common Microsoft Office applications (Word, PowerPoint and Excel).

## Prerequisite Course

Logistic Functional Area Services (LOGFAS) Fundamentals & Basic Data Operator

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

# Allied Deployment and Movements System (ADAMS) Basic Operator

Course ID

A0224

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Oeiras (PRT)

Minimum Class Size: 10

Maximum Class Size: 16

Course Length (working days): 10

## Purpose of Course

To provide military and civilian personnel at NATO, NATO Nations, Partner Nations and Organisation Headquarters with training in the use of the Allied Deployment and Movements System (ADAMS) modules of the Logistic Functional Area Services (LOGFAS) software, to support the analysis, planning and Deployment and Redeployment activities of Forces.

This will include movements planning, co-ordination, analysis and execution.

The use of the software to support staff work.

A2,OR1,OF3,OR3,NIC B5

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Learning Objectives

On completion of this course the student will be able to:

Describe the procedures applied in the creation of a National Detailed Deployment Plan (DDP) or Detailed Redeployment Plan (DRP) for analysis and planning purposes.

Use the software to carry out a detailed Transportation Requirements Analysis.

Conduct Transport Asset allocation and scheduling.

Merge multiple National DDPs/DRPs to create a Multi-National DDP/DRP (MN DDP/DRP).

Use the ADAMS Module and tools for mapping, infrastructure and network analysis and reporting functions.

## Background

The candidate must be able to display and eventually prove theoretical and/or practical skills relating to force Deployment/Redeployment planning, execution and analysis.

Candidates must have attended a NCISS Certified LOGFAS Fundamentals and Basic Data Operator Course (NCISS Code 0254), unless upgrading from a previous Version of LOGFAS (Version or Application) for which suitable and acceptable NCISS Certification has been awarded.

The details of the attended LOGFAS Fundamentals and Basic Data Operator Course (NCISS Code 0254) should be shown in the Remarks Section of the NCISS Joining Report format.

If the candidate has not completed a LOGFAS Fundamentals and Basic Data Operator Course (NCISS Code 0254) but wishes to submit evidence of suitability to attend the course they are to provide details in the Remarks Section of the NCISS Joining Report format. The provided evidence will be evaluated by the NCISS Lead LOGFAS Instructor. If accepted the candidate will be allocated to a course, if not accepted the Joining Report will be rejected.

If rejected, the reasons for the decision of the NCISS Lead LOGFAS Instructor will be provided to the requesting authority and the candidate. The candidate must have a basic working knowledge of Microsoft Windows and the common Microsoft Office applications (Word, PowerPoint and Excel).

## Qualification

Allied Deployment and Movements System (ADAMS) Basic Operator

## Student Criteria

The candidate must:

Be assigned to a NATO, NATO Nation, Partner Nation and Organisations Headquarters position where the relevant LOGFAS software is or is to be used and applied.

Meet the stated background knowledge prerequisites.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

NIC B3,OR7,NIC B6,OF6,NIC A5,OF4,NIC A3,OF5,NIC B4,OR5,OR4,CIV,OF2,NIC A4,OR9,OF1,OR6,OR2,NIC A6,OR8,NIC

## Prerequisite Course

Logistic Functional Area Services (LOGFAS) Fundamentals & Basic Data Operator

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)



# Allied Deployment and Movements System (ADAMS) Advanced Operator

Course ID

A0225

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 10

Maximum Class Size: 16

Course Length (working days): 5

## Purpose of Course

To provide military and civilian personnel at NATO, NATO Nations, Partner Nations and Organisations Headquarters with advanced training in the use of the Allied Deployment and Movements System (ADAMS) modules of the Logistic Functional Area Services (LOGFAS) software, to support the analysis, planning and deployment activities of forces.

This will include movements planning, co-ordination, analysis and execution.

The use of the software to support staff work.

## Learning Objectives

On completion of this course the student will be able to:

Describe and conduct advanced database manipulation of LOGFAS Data.

Describe the advanced procedures applied in the creation of a National Detailed Deployment Plan (DDP) and Detailed Redeployment Plan (DRP) for analysis and planning purposes.

Conduct complex transport asset allocation, asset sharing and multi leg scheduling.

Merge and view multiple DDPs/DRPs to create a Multi-National DDP/DRP.

Create, duplicate and modify Force Sustainment Packages for inclusion in DDPs.

Understand the principles to create DDP Wizard Templates to split Forces into Movement Components and assign strategic LOCs.

Understand the principle and data requirements to create DDPs/DRPs using the DDP Wizard and Tradeoffs Wizard Functions.

Understand the principles and data requirements to conduct transport asset requirements and movements planning analysis and allocation using the Tradeoffs Wizard Functions.

Use the ADAMS modules for analysis and to assist in force Deployment/Redeployment execution.

## Qualification

Allied Deployment and Movements System (ADAMS) Advanced Operator

## Student Criteria

The candidate must:

Be assigned to a NATO, NATO Nation, Partner Nation and Organisations Headquarters position where the relevant LOGFAS software is or is to be used and applied.

Meet the stated background knowledge

prerequisites.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

NIC B3,OR7,NIC B6,OF6,NIC A5,OF4,NIC A3,OF5,NIC B4,OR5,OR4,CIV,OF2,NIC A4,OR9,OF1,OR6,OR2,NIC A6,OR8,NIC A2,OR1,OF3,OR3,NIC B5

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

The candidate must be able to display and eventually prove theoretical and/or practical skills relating to the deployment of allied forces.

The candidate must have completed the ADAMS Basic Operator Course (NCISS Code 0224) and have at least six (6) months experience and use of the software.

The candidate must have a basic working knowledge of Microsoft Windows and the common Microsoft Office applications (Word, PowerPoint and Excel).

## Prerequisite Course

Allied Deployment and Movements System (ADAMS) Basic Operator

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

# Logistics Reporting (LOGREP) Operator

Course ID

A0226

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Oeiras (PRT)

Minimum Class Size: 10

Maximum Class Size: 16

Course Length (working days): 5

## Purpose of Course

To provide military and civilian personnel at NATO, NATO Nation, Partner Nations and Organisations Headquarters with training in the use of the Logistic Reporting (LOGREP) functions of the Logistic Functional Area Services (LOGFAS) software, to support the Logistic Reporting activities of Forces.

The use of the software to support staff work.

A2,OR1,OF3,OR3

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Learning Objectives

On completion of this course the student will be able to:

- Describe LOGFAS Data input requirements and procedures for Items and Forces. The combining of data to create a Force Profile and Holdings file.
- Describe the procedures applied in the creation of a Logistic Update Report (LOGUPDATE) for analysis and planning purposes.
- Combine a number of LOGUPDATE files to create a Joint Force, Multi Force and/or Multi-National LOGUPDATE.
- Use the LOGREP modules and tools for mapping and network analysis relating to Force reporting functions.
- Use the LOGREP modules to conduct logistic requirements assessments for analysis, monitoring and planning.

## Background

The candidate must be able to display and eventually prove theoretical and/or practical skills relating to the logistic reporting requirements of National and/or Allied Forces (Joint and/ Multinational).

The candidate must have a basic working knowledge of Microsoft Windows and the common Microsoft Office applications (Word, PowerPoint and Excel).

## Prerequisite Course

N/A

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

## Qualification

Logistics Reporting (LOGREP) Operator

## Student Criteria

The candidate must:

Be assigned to a NATO, NATO Nation, Partner Nation and Organisations Headquarters position where the relevant LOGFAS software is or is to be used and applied.

Meet the stated background knowledge prerequisites.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

NIC B5,NIC B3,OR7,NIC B6,OF6,NIC A5,OF4,NIC A3,OF5,NIC B4,OR5,OR4,CIV,OF2,NIC A4,OR9,OF1,OR6,OR2,NIC A6,OR8,NIC

# Logistics Reporting (LOGREP) Train the Trainer

Course ID

A0227

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 10

Maximum Class Size: 16

Course Length (working days): 5

## Purpose of Course

To provide military and civilian personnel at NATO, NATO Nation, Partner Nation and Organisations Headquarters with training to provide support to other personnel (including local training other than a formal course) in the use of the Logistic Reporting (LOGREP) modules of the Logistic Functional Area Services (LOGFAS) software  
The use of the software to support staff work.

## Learning Objectives

On completion of this course the student will be able to:  
Provide Training and support to others in the individual HQ or Nation to use the LOGREP functions and tools to meet the criteria specified for the LOGREP Operator Course (NCISS Code 0226) and in accordance with local SOPs.  
Use basic instructional techniques to plan and carry out any required lessons.

## Qualification

Logistics Reporting (LOGREP) Trainer

## Student Criteria

The candidate must:  
Be assigned to a NATO, NATO Nation, Partner Nation and Organisations Headquarters position where the relevant LOGFAS software is or is to be used and applied.  
Meet the stated background knowledge prerequisites.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

NIC A2,OF3,NIC B5,NIC B3,OR7,NIC B6,OF6,NIC A5,OF4,NIC A3,OF5,NIC B4,OR5,CIV,OF2,NIC A4,OR9,OF1,OR6,NIC A6,OR8

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

The candidate must be able to display and eventually prove theoretical and/or practical skills relating to the logistic reporting of National and/or Allied Forces.  
The candidate must have completed the LOGREP Operator Course (NCISS Code 0226) and have at least six (6) months experience and use of the software.  
The candidate must have a basic working knowledge of Microsoft Windows and the common Microsoft Office applications (Word, PowerPoint, Access and Excel).

## Prerequisite Course

Logistics Reporting (LOGREP) Operator

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

# NATO Networking Infrastructure (CCNA R&S)

Course ID

A0236

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 10

Maximum Class Size: 16

Course Length (working days): 25

## Purpose of Course

The purpose of the course is to provide knowledge and skills for networking technology, covering networking concepts and skills student need to successfully operate and maintain IP-converged networks. student are enrolled in the Cisco Networking Academy, where they have access to course multimedia material and self-assessments, designed to measure gained knowledge of Cisco networking technologies.

## Learning Objectives

Upon completion the course, the qualified student will be able to install, configure, operate, and troubleshoot medium-size routed and switched networks. CCNA qualified student will have the knowledge and skills to make connections to remote sites via a WAN, and mitigate basic security threats. CCNA R&S training covers (but is not limited to) the use of these topics: IOS, IPv6, IPv4, OSPF, Cisco Licensing, Enhanced Interior Gateway Routing Protocol (EIGRP), Serial Line Interfaces, Frame Relay interfaces VLANs, Ethernet, VLSM, and basic traffic filtering

## Qualification

Networking Infrastructure Technician

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OR1,NIC A6,OR8,OR3,NIC A2,OF3,NIC B5,NIC B3,OR7,NIC B6,OF6,NIC A5,OF4,NIC A3,OF5,NIC B4,OR5,OR4,OR2,CIV,OF2,NIC A4,OR9,OF1,OR6

## Special Instructions

- student will undertake one online theory assessment for each completed learning chapter.
- student will undertake proctored practical and theory exams at The completion of each individual learning Module to be entitled to be enrolled in The next one.

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

- CCNA Routing & Switching is designed for student with intermediate PC skills and foundational math and problem solving skills.
- Basic TCP/IP networking knowledge is highly recommended and encouraged prior to attending to this course.

## Prerequisite Course

N/A

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

# Interconnecting Cisco Networking Devices (ICND 1 & 2)

Course ID

A0237

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Oeiras (PRT)

Minimum Class Size: 10

Maximum Class Size: 16

Course Length (working days): 10

## Purpose of Course

IP networking is central to NATO Networks Infrastructure, as it is to any Private or Governmental organization, and further NCISS training require the successful completion of this course. Interconnecting Cisco Devices includes parts 1 and 2, with seven and eight modules respectively. Each part is taught in one teaching week.

The course goal is to provide students with the knowledge, skills and attitude required to install, operate, configure, verify and troubleshoot a medium-sized network.

The course teaches comprehensive networking concepts and skills, from network applications to the protocols and services provided to those applications by the lower layers of the network. Students will progress from basic networking to more complex enterprise and theoretical networking models and new technologies like IoT, SDN.

## Learning Objectives

Upon completion the course, the qualified student will be able to install, configure, operate, and troubleshoot medium-size routed and switched networks. CCNA qualified student will have the knowledge and skills to make connections to remote sites via a WAN, and mitigate basic security threats. CCNA R&S training covers (but is not limited to) the use of these topics: IOS, IPv6, IPv4, OSPF, Quality of Service (QoS), Software Defined Networking (SDN), PPPoE, VPN, GRE, VLAN interfaces, Ethernet, VLSM, and basic traffic filtering.

Upon completion the course, the qualified student will be able to:

ICND 1. Learning Objectives

- Module 1: Building a Simple Network
- Module 2: Establishing Internet Connectivity
- Module 3: Summary Challenge
- Module 4: Building a Medium-Sized Network
- Module 5: Network Device Management and Security

- Module 6: Summary Challenge

- Module 7: Introducing IPv6

ICND 2. Learning Objectives

- Module 1: Implement Scalable Medium-Sized Networks

- Module 2: Troubleshooting Basic Connectivity

- Module 3: Implementing an EIGRP-Based Solution

- Module 4: Summary Challenge

- Module 5: Implement a Scalable OSPF-Based Solution

- Module 6: Wide-Area Networks

- Module 7: Network Device Management and Security

- Module 8: Summary Challenge

## Qualification

Networking Infrastructure Technician

## Student Criteria

Learners should have:

- Basic computer literacy.
- Basic OS and Internet usage skills
- Good understanding of IP Network Fundamentals

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OR4,OF5,OR7,OR9,OR5,NIC  
A6,OF1,OF3,OR3,NIC B5,OR8,NIC A2,NIC  
A4,OF2,OR6,NIC B3,NIC A3,CIV,NIC  
B6,OR2,OF6,NIC A5,NIC B4,OR1,OF4

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

N/A

## Prerequisite Course

N/A

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

## NATO HD VTC Facilitator

Course ID

A0244

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 5

Maximum Class Size: 8

Course Length (working days): 5

## Purpose of Course

The purpose of the course is to provide military and civilian personnel with the knowledge and skills required to perform as a HD VTC facilitator for NATO HD Video teleconferencing. Facilitators are defined as the specialist at each site for the VTC systems and are expected to: Install, configure, operate and perform diagnostics on a variety of HD VTC endpoint equipment in the NATO environment. Understand the concept of HD VTC core equipment in the NATO environment.

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- Understand the concept of HD VTC core equipment in the NATO environment.
- Install, configure, operate and perform diagnostics on a variety of HD VTC endpoints equipment in the NATO environment.
- Acquainted with the scheduling process of all conferences in NATO.
- Conversant with associated protocols used in HD VTC.
- Understand the influence of various communication / network configurations on a HD VTC conference.
- Run basic diagnostic checks on Media Convertors HDMI-CAT5 and fibre connections, and be aware of end use IP CRYPTO.
- Understand the reason for and implications of clocking problems, jitter and packet loss.
- All students will undertake a practical and theoretical exam at the end of the course.

## Qualification

NATO HD Video Tele Conferencing Facilitator (VTC HD)

## Student Criteria

The student must:

- Have been assigned or selected for assignment to a NATO HQ or Agency or Unit assigned to or earmarked for assignment to NATO as a HD VTC facilitator with responsibility for HD VTC equipment.
- Have met the Background Knowledge Pre-requisites for this course

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OR9,OF1,OR6,OR1,OR8,OR3,NIC A2,OF3,NIC

B5,NIC B3,OF6,OR7,NIC B6,OF4,OF5,NIC B4,OR5,OR4,OR2,CIV,OF2

## Special Instructions

N/A

## Security Clearance

NATO SECRET (NS)

## Pre-Course Study Material

N/A

## Background

- Basic knowledge of applications in a Windows environment.
- ITSM user account and working knowledge of processes and supporting procedures of ITSM.

## Prerequisite Course

N/A

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)



# NATO VTC Control Centre Operator

Course ID

A0245

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 5

Maximum Class Size: 8

Course Length (working days): 10

## Purpose of Course

The purpose of the course is to provide military and civilian personnel with the knowledge and skills required to perform as a VTC Control Centre Operator for NATO HD Video teleconferencing. Successfully install, program, operate, maintain and troubleshoot associated VTC Access Nodes and VTC HD Endpoints in the NATO environment.

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- Understand and describe the NATO VTC HD architecture and associated equipment.
- Install, configure, operate and perform diagnostics on a variety of VTC conference server platforms including the Polycom RealPresence Resource Manager(RPRM) and RealPresence Collaboration
- Server (RMX 4000) and have an understanding of endpoints in the NATO HD environment.
- Introduction to carrying out day to day VTC operations.
- Set up cascaded conferences and conferences with Audio/Video and Content (People & Content) for both IP and SIP.
- A thorough understanding of the -As Built-diagrams provided for NATO HD VTC facilities.
- A thorough understanding of protocols used in VTC for H323 and SIP devices.
- Acquainted with the booking and scheduling process of all conferences in NATO.
- Acquainted with the operation of the -Crestron- control panel.
- Understand the VTC Facilitators roles and responsibilities.
- Understand the influence of various communication / network configurations on a VTC conference.
- Run basic diagnostic checks on Fibre Optic Media converters and fibre connections, and Crypto devices.
- Acquainted of the processes and supporting procedures of ITSM.
- Overview of the Distributed Media Application 4000 (DMA) Server.
- All student will undertake a practical and theoretical exam at the end of the course.

## Qualification

NATO VTC Control Centre Operator

## Student Criteria

The student must:

- Have been assigned or selected for

assignment to a NATO HQ or Agency or Unit assigned to or earmarked for assignment to NATO working directly on a NATO VTC VCC.

- Have met the Background Knowledge

Prerequisites for this course

- Familiarity with Microsoft

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV,OF2,OR9,OF1,OR6,OR8,NIC A2,NIC B5,NIC B3,OR7,NIC B6,NIC B4,OR5

## Special Instructions

N/A

## Security Clearance

NATO SECRET (NS)

## Pre-Course Study Material

N/A

## Background

- Basic knowledge of applications in a Windows environment.
- ITSM user account and working knowledge of processes and supporting procedures of ITSM.

## Prerequisite Course

N/A

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

# Logistic Functional Areas Services (LOGFAS) Staff Officer

Course ID

A0251

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Oeiras (PRT)

Minimum Class Size: 10

Maximum Class Size: 16

Course Length (working days): 5

## Purpose of Course

To provide military and civilian personnel at NATO, NATO Nation, Partner Nation and Organisations Headquarters with an introduction, overview and training for the application of the LOGFAS software modules.

This training can be tailored to meet the requirements of the location. The instruction will be extracted from the courses listed below and presented from the Staff Officer perspective.

NCISS Course 0222 CORSOM Operator Course.  
 NCISS Course 0223 EVE Operator Course.  
 NCISS Course 0224 ADAMS Basic Operator Course.  
 NCISS Course 0226 Logistic Reporting Operator Course.  
 NCISS Course 0252 EVE Managers Course.  
 NCISS Course 0253 SPM/SDM Operator Course.

## Learning Objectives

The objective of this course is to orient staff officers to the functions, capabilities, uses and best practices using the LOGFAS programs.

## Qualification

Logistic Functional Areas Services (LOGFAS)  
 Staff Officer

## Student Criteria

The candidate must:

- Be assigned to a NATO, NATO Nation, Partner Nation and Organisations Headquarters position where the relevant LOGFAS software is or is to be used and applied.
- Meet the stated background knowledge prerequisites.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

NIC A6,OF2,OF1,OF3,NIC A2,OF6,NIC A5,NIC A3,OF4,OF5,NIC A4

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

In accordance with NCISS instructions or as

agreed for the individual training.

## Background

Candidates must meet the background prerequisites stated for each individual type of training or as agreed with NCISS.

The candidate must have a basic working knowledge of Microsoft Windows and the common Microsoft Office applications (Word, PowerPoint and Excel).

## Prerequisite Course

N/A

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

# Effective Visible Execution (EVE) Manager

Course ID

A0252

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 10

Maximum Class Size: 16

Course Length (working days): 5

## Purpose of Course

To provide military and civilian personnel at NATO, NATO Nation, Partner Nation and Organisations Headquarters with training to manage the Effective Visible Execution (EVE) Module of the Logistic Functional Area Services (LOGFAS) software, to support force deployment execution control and analysis activities.

The use of the software to support staff work.

## Learning Objectives

On completion of this course the student will be able to:

Comprehend the data and process management requirements of EVE to support movements planning and execution, including the relationship with other NATO IS systems. Create a Flow Execution Plan (FEP) using a Detailed Deployment Plan (DDP) as the basis, or by inserting the required information directly in to the module or by the importation of Movement Requests.

Comprehend how the module views can be modified for use and/or display.

Use the EVE module to support analysis.

## Qualification

Effective Visible Execution (EVE) Manager

## Student Criteria

The candidate must:

Be assigned to a NATO, NATO Nation, Partner Nation and Organisations Headquarters position where the relevant LOGFAS software is or is to be used and applied.

Meet the stated background knowledge prerequisites.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

NIC A4,OR2,CIV,OR1,OR9,NIC A6,OR6,OR3,OF2,OF1,OR8,OF3,NIC A2,NIC B5,NIC B3,NIC B6,OF6,OR7,NIC A5,NIC A3,OF4,OF5,NIC B4,OR4,OR5

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

The candidate must be able to display and eventually prove theoretical and/or practical skills relating to force deployment planning, execution and analysis.

Candidates must have attended a NCISS Certified LOGFAS Fundamentals and Basic Data Operator Course (NCISS Code 0254), unless upgrading from a previous Version of LOGFAS (Version or Application) for which suitable and acceptable NCISS Certification has been awarded.

The details of the attended LOGFAS Fundamentals and Basic Data Operator Course (NCISS Code 0254) should be shown in the Remarks Section of the NCISS Joining Report format.

If the candidate has not completed a LOGFAS Fundamentals and Basic Data Operator Course (NCISS Code 0254) but wishes to submit evidence of suitability to attend the course they are to provide details in the Remarks Section of the NCISS Joining Report format. The provided evidence will be evaluated by the NCISS Lead LOGFAS Instructor. If accepted the candidate will be allocated to a course, if not accepted the Joining Report will be rejected.

If rejected, the reasons for the decision of the NCISS Lead LOGFAS Instructor will be provided to the requesting authority and the candidate. The candidate must have a basic working knowledge of Microsoft Windows and the common Microsoft Office applications (Word, PowerPoint and Excel).

## Prerequisite Course

Logistic Functional Area Services (LOGFAS) Fundamentals & Basic Data Operator

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

# Sustainment Planning Module (SPM), Supply Distribution Model (SDM) Operator

Course ID

A0253

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Oeiras (PRT)

Minimum Class Size: 10

Maximum Class Size: 16

Course Length (working days): 5

## Purpose of Course

To provide military and civilian personnel at NATO, NATO Nation, Partner Nation and Organisations Headquarters with training in the use of the Sustainment Planning Module (SPM) and Supply Distribution Model (SDM) of the Logistic Functional Area Services (LOGFAS) software, to support sustainment and logistic analysis activities. The use of the software to support staff work.

B6,OF4,OF5

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Learning Objectives

On completion of this course the student will be able to:

Comprehend and apply the LOGFAS Stockpiling and Sustainment Data input requirements and procedures.

Create a Force Resupply Profile file.

Create Sustainment Packages for deployment in support of the Forces allocated or assigned to an operation.

Comprehend and apply the concept and carry out sustainment assessment and planning.

Use the SPM for logistic calculation and analysis.

Modify the SPM parameters to represent operational realism, national policy and operational doctrine. View and save the results. Use the SDM to model and analyse the planned logistics resupply/sustainment plan.

## Background

The candidate must be able to display and eventually prove theoretical and/or practical skills relating to logistics and sustainment planning and analysis.

Candidates must have attended a NCISS Certified LOGFAS Fundamentals and Basic Data Operator Course (NCISS Code 0254) or Logistic Reporting (LOGREP) Operator Course (NCISS Code 0226), unless upgrading from a previous Version of LOGFAS (Version or Application) for which suitable and acceptable NCISS Certification has been awarded.

The details of the attended LOGFAS Fundamentals and Basic Data Operator Course (NCISS Code 0254) or LOGREP Operator Course (NCISS Course Code 0226) should be shown in the Remarks Section of the NCISS Joining Report format.

If the candidate has not completed a LOGFAS Fundamentals and Basic Data Operator Course (NCISS Code 0254) or LOGREP Operator Course (NCISS Course Code 0226) but wishes to submit evidence of suitability to attend the course they are to provide details in the Remarks Section of the NCISS Joining Report format. The provided evidence will be evaluated by the NCISS Lead LOGFAS Instructor. If accepted the candidate will be allocated to a course, if not accepted the Joining Report will be rejected.

## Qualification

Sustainment Planning Module (SPM), Supply Distribution Model (SDM) Operator

## Student Criteria

The candidate must:

Be assigned to a NATO, NATO Nation, Partner Nation and Organisations Headquarters position where the relevant LOGFAS software is or is to be used and applied.

Meet the stated background knowledge prerequisites.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Prerequisite Course

Logistic Functional Area Services (LOGFAS) Fundamentals & Basic Data Operator

## Rank/Grade

NIC B4,OR4,OR5,NIC A4,OR2,OR1,OR9,NIC A6,OR6,OR3,OF2,OF1,OR8,OF3,NIC A2,NIC B5,CIV,NIC B3,OF6,OR7,NIC A5,NIC A3,NIC

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

# Logistic Functional Area Services (LOGFAS) Fundamentals & Basic Data Operator

Course ID

**A0254**

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Oeiras (PRT)

Minimum Class Size: 10

Maximum Class Size: 16

Course Length (working days): 5

## Purpose of Course

To provide military and civilian personnel at NATO, NATO Nation, Partner Nation and Organisations Headquarters with training in the use of the LOGFAS Common Modules and the creation of the Geographic Data (Map Projects, Maps, Locations, Infrastructure and Networks), Basic LOGFAS Data (Item, Forces and Assets) and Force Generation (SOR and ADL) Data that is used by the Allied Deployment and Movements System (ADAMS), Effective Visible Execution (EVE) and Coalition Reception, Staging and Onward Movement (CORSOM) modules of the Logistic Functional Area Services (LOGFAS) software, to support the deployment activities of forces and the Logistic Reporting (LOGREP) and related modules for sustainment planning and reporting. The use of the LOGFAS software to extract information based on the Basic Data to support staff work.

This course is a prerequisite and must be completed with NCISS Certification for personnel who want to attend an ADAMS Basic Operator (NCISS Code 0224), EVE Operator (NCISS Code 0223), EVE Manager (NCISS Code 0252), CORSOM Operator Course (NCISS Code 0222) and SPM/SDM Operator Course (NCISS Code 0253).

## Learning Objectives

On completion of this course the student will be able to:

Demonstrate an understanding and describe the use of the LOGFAS Connection Manager Module (LCM) for the management and control of Databases (Local and Remote).

Demonstrate an understanding and describe the use of the LOGFAS Geographic Data Management Module (GeoMan) data and the function requirements to support the planning and execution of the deployment of forces.

Describe the use of LOGFAS Data Management Module (LDM) and the input requirements and procedures for Assets, Items and Forces data. The combining of data to create a Force Profile and Holdings file.

Describe the use of LOGFAS Data Management Module (LDM) and the data input requirements and procedures for Statement of Requirement (SOR) and Allied Disposition List (ADL).

Describe the use of LOGFAS Data Management Module (LDM) to extract reports based on the created data sets.

## Qualification

Logistic Functional Area Services

## Fundamentals & Basic Data Operator

### Student Criteria

The candidate must:

Be assigned to a NATO, NATO Nation, Partner Nations and Organisations Headquarters position where the relevant LOGFAS software is or is to be used and applied.

Meet the stated background knowledge prerequisites.

### Language Proficiency

In accordance with STANAG 6001: English SLP 3232

### Rank/Grade

OR5,NIC B4,OR4,NIC A4,OR2,OR1,OR9,NIC A6,OR6,OR3,OF2,OF1,OR8,OF3,NIC A2,NIC B5,CIV,NIC B3,OF6,OR7,NIC A5,NIC A3,NIC B6,OF4,OF5

### Special Instructions

N/A

### Security Clearance

NATO UNCLASSIFIED (NU)

### Pre-Course Study Material

N/A

### Background

The candidate must be able to display and prove theoretical and/or practical skills relating to the data requirements for the planning and execution for the deployment of allied forces.

The candidate must have a basic working knowledge of Microsoft Windows and the common Microsoft Office applications (Word, PowerPoint and Excel).

### Prerequisite Course

N/A

### Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

# Logistic Functional Area Services (LOGFAS) System Administrator and Manager

Course ID

A0255

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Oeiras (PRT)

Minimum Class Size: 6

Maximum Class Size: 8

Course Length (working days): 5

## Purpose of Course

To provide military and civilian personnel at NATO, NATO Nation, Partner Nation and Organisations Headquarters with training in the Systems Administration (Sys Admin) of, and Management of the LOGFAS suite of programs.

The course is provided for:

- CIS personnel who will be responsible for the installation, upgrading and maintenance of the software on stand alone or existing networked (Server) systems; with an understanding of the processes that LOGFAS Supports.

- CJ4 or CIS personnel who will be responsible for or provide assistance to use the LOGFAS Connection Manager for database creation, management and maintenance. Including the control, maintenance and upgrading of centrally controlled data sets for Geographic (Locations and Route Networks) information, Transportation Asset Types and Reportable Item Code versions.
- CJ4 or CIS personnel who will be responsible for or provide assistance for the control of access to the various LOGFAS Modules and the Databases using the Utility Management Module.

## Learning Objectives

On completion of this course the student will be able to:

Non CIS personnel will demonstrate an understanding of computer networking and Virtual Machine Structures.

Demonstrate an understanding of the different areas of responsibilities between the CIS and CJ4 areas for the control of LOGFAS and the interrelationship between the areas.

Describe the use of the LOGFAS Connection Manager Module (LCM) for the management and control of Databases (Local and Remote).

Describe the use of the LCM for the control and management of the centrally controlled data sets used to control LOGFAS Geographic Locations, Transportation Asset Types and Reportable Item Codes (RIC) versions.

Describe how to connect LOGFAS to other NATO FAS Systems (LOGFAS Web Services, JOCWatch, GIS etc).

Describe the use of the Utility Management Module (UMM) of LOGFAS to control program and data access.

## Qualification

Logistic Functional Area Services Systems Administrator and Manager

## Student Criteria

The candidate must:

Be assigned to a NATO, NATO Nation, Partner Nation and Organisations Headquarters position where the relevant LOGFAS software is or is to be used and applied.

Meet the stated background knowledge prerequisites.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OF5,OR5,NIC B4,OR4,NIC  
A4,OR2,OF2,OR1,OR9,NIC  
A6,OR6,OR3,OF1,OR8,OF3,NIC A2,NIC  
B5,CIV,NIC B3,OF6,OR7,NIC A5,NIC A3,NIC  
B6,OF4

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

The candidate must have a basic working knowledge of Microsoft Windows and the common Microsoft Office applications (Word, PowerPoint and Excel).

## Prerequisite Course

N/A

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)



# TOPFAS System Administrator

Course ID

A0264

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Oeiras (PRT)

Minimum Class Size: 6

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

The purpose of the course is to teach military and civilian personnel the fundamental knowledge required to install, troubleshoot and maintain a TOPFAS instance.

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- Provide a high level description of the purpose of the TOPFAS system
- Describe the system architecture and the role of the different components thereof
- Install the TOPFAS Database and configure relevant Maintenance Plan
- Install the TOPFAS Application Server and ancillary components
- Setup the TOPFAS client applications
- Carry out the initial UMT configuration
- Create the TOPFAS Web Portal.
- Setup the TOPFAS Database Replication mechanism
- Independently manage typical system troubleshooting scenarios

## Qualification

TOPFAS System Administrator

## Student Criteria

The student must:

- Be part of the CIS Support staff
- Have met the Background Knowledge

Prerequisites for this course

## Language Proficiency

In accordance with STANAG 6001: English SLP 2222

## Rank/Grade

NIC B6,OF4,OF5,OR5,NIC B4,OR4,NIC A4,OR2,OF2,OR1,OR9,NIC A6,OR6,OR3,OF1,OR8,OF3,NIC A2,NIC B5,CIV,NIC B3,OF6,OR7,NIC A5,NIC A3

## Special Instructions

N/A

## Security Clearance

NATO RESTRICTED (NR)

## Pre-Course Study Material

N/A

## Background

The student should possess a system administration background with a good understanding of distributed systems, web servers, database management systems and TCP/IP networking

## Prerequisite Course

N/A

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

## TOPFAS OPT for User

Course ID

A0265

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Oeiras (PRT)

Minimum Class Size: 10

Maximum Class Size: 16

Course Length (working days): 5

## Purpose of Course

The purpose of the course is to train, at initial level, military and civilian personnel from Allied and National Headquarters to use the Operations Planning Tool (OPT) module of the NATO developed -Tool for Operations Planning Functional Area Services- (TOPFAS), in support of the Comprehensive Operations Planning Process (COPP). It is also the mandatory prerequisite course for the TOPFAS OPT for Trainer course (NCISS ID 0285).

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- Identify the main functions as per COPD and their associated integrated TOPFAS tools;
- Use the Operations Planning Tool (OPT) main functionalities as a single user;
- Contribute to an Operations Planning Group (OPG) using the Operations Planning Tool (OPT) in a collaborative environment;

## Qualification

TOPFAS OPT User

## Student Criteria

The student must:

- Be a user of TOPFAS for crisis response planning within a planning HQ
- or
- Takes part in a JOPG (Joint Operations Planning Group)
- or
- Be posted in a Strategy or Plans division where TOPFAS utilisation is required.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OF6,OR7,NIC A5,NIC A3,NIC  
B6,OF4,OF5,OR5,NIC B4,OR4,NIC  
A4,OR2,OR3,OF2,OR1,OR9,NIC  
A6,OF1,OR6,OR8,OF3,NIC A2,NIC B5,CIV,NIC B3

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

- Student has to read the pre-study material (Cerasia Scenario) which can be downloaded from <https://jatl.act.nato.int/> in the TOPFAS section under NETF / NCISS

- More detailed information is available here: [https://www.nciss.nato.int/ADL\\_joining\\_instruction.php](https://www.nciss.nato.int/ADL_joining_instruction.php)

- Essential Reading:- Comprehensive Operations Planning Directive (COPD) v2.0. Chapters 1 and 4  
Desirable Reading:- COPD v2.0 Chapters 3 and 5

## Background

The TOPFAS OPT User Course is not an Operations Planning theory course. It is strongly recommended that student should have attended a NATO Operations Planning Course at a NATO or National facility prior to attending.

The student must:

- Have working knowledge of Microsoft Windows and the common Microsoft Office applications (Word, PowerPoint and Excel);
- Have working knowledge of NATO Response Planning process as per ACO Comprehensive Operations Planning Directive (COPD 2.0, Chapter 4).

## Prerequisite Course

N/A

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

## TOPFAS SAT for User

Course ID

A0266

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Oeiras (PRT)

Minimum Class Size: 10

Maximum Class Size: 16

Course Length (working days): 5

## Purpose of Course

The purpose of the course is to train, at initial level, military and civilian personnel from Allied and National Headquarters to use the System Analysis Tool (SAT) module of the NATO developed -Tool for Operations Planning Functional Area Services- (TOPFAS), in support of the Comprehensive Operations Planning Process (OPP). It is also the mandatory prerequisite course for the TOPFAS SAT for Trainer course (NCISS ID 0286).

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- Identify the fundamental TOPFAS capabilities
- Identify how the Situational Awareness contributes to the Comprehensive Operations Planning Process and Knowledge Development.
- Describe systems structures and networks using TOPFAS SAT
- Analyse networks using static and dynamic methodologies using TOPFAS SAT
- Organize the engagement space information in TOPFAS SAT
- Publish, present and share engagement space information using TOPFAS SAT
- Utilize SAT in a collaborative environment.

## Qualification

TOPFAS SAT User

## Student Criteria

The student must:

- Be a system analysts or personnel that uses TOPFAS SAT for crisis response planning within a planning HQ

or

- Be posted in a Knowledge Development or Intelligence division where TOPFAS utilisation is required.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OF6,OR7,NIC A5,NIC A3,NIC B6,OF4,OF5,OR5,NIC B4,OR4,NIC A4,OR2,OR3,OF2,OR1,OR9,NIC A6,OF1,OR6,OR8,OF3,NIC A2,NIC B5,CIV,NIC B3

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

- Student has to read the pre-study material (Cerasia Scenario) which can be downloaded from <https://jatl.act.nato.int/> in the TOPFAS section under NETF / NCISS

- More detailed information is available here: [https://www.nciss.nato.int/ADL\\_joining\\_instruction.php](https://www.nciss.nato.int/ADL_joining_instruction.php)

- Essential Reading:- Comprehensive Operations Planning Directive (COPD) v2.0. Chapters 1 and 2  
Desirable Reading:- COPD v2.0 Chapters 3-5

## Background

The TOPFAS SAT User Course is not a Knowledge Development theory course. The student must:

- Have working knowledge of Microsoft Windows and the common Microsoft Office applications (Word, PowerPoint and Excel);
- Have working knowledge of NATO Response Planning process as per ACO Comprehensive Operations Planning Directive (COPD 2.0, Chapter 4);
- Have theoretical and/or practical skills relating to NATO's System Analysis/Knowledge Development process.

## Prerequisite Course

N/A

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

## TOPFAS CAT for User

Course ID

A0267

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Oeiras (PRT)

Minimum Class Size: 10

Maximum Class Size: 16

Course Length (working days): 5

## Purpose of Course

The purpose of the course is to train, at initial level, military and civilian personnel from Allied and National Headquarters to use the Campaign Assessment Tool (CAT) module of the NATO developed -Tool for Operations Planning Functional Area Services- (TOPFAS), in support of the Comprehensive Operations Planning Process (OPP). It is also the mandatory prerequisite course for the TOPFAS CAT for Trainer (TOPFAS Version5) course (NCISS ID 0287).

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- Explain how the Campaign Assessment Tool is used in support of the NATO Comprehensive Operations Planning Process (OPP).
- Use CAT as an individual user to prepare operations assessment products.
- Identify the differences of using CAT in a collaborative environment
- Publish assessment products on the TOPFAS Web Portal
- Identify access control in different TOPFAS tools.

## Qualification

TOPFAS CAT User (TOPFAS Version 6)

## Student Criteria

The student must:

- Be selected for a position as an operations assessor or personnel that uses TOPFAS CAT for operations assessment within a planning HQ or
- Be posted in a Operations Assessment Branch where TOPFAS utilisation is required.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

NIC B3,OF6,OR7,NIC A5,NIC A3,NIC B6,OF4,OF5,OR5,NIC B4,OR4,NIC A4,OR2,OR3,OF2,OR1,OR9,NIC A6,OF1,OR6,OR8,OF3,NIC A2,NIC B5,CIV

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

- Student has to read the pre-study material (Cerasia Scenario) which can be downloaded from <https://jatl.act.nato.int/> in the TOPFAS section under NETF / NCISS

- More detailed information is available here: [https://www.nciss.nato.int/ADL\\_joining\\_instruction.php](https://www.nciss.nato.int/ADL_joining_instruction.php)

-Essential Reading:- Comprehensive Operations Planning Directive (COPD) v2.0. Chapters 1 and 5  
- NATO Operations Assessment Handbook (NOAH)

-Desirable Reading:- COPD v2.0 Chapters 2-4

## Background

The TOPFAS CAT User Course is not an Operations Assessment theory course. It is strongly recommended that student should have attended a NATO Operations Assessment Course at a NATO or National facility prior to attending.

The student must:

- Have working knowledge of Microsoft Windows and the common Microsoft Office applications (Word, PowerPoint and Excel);
- Have working knowledge of the NATO Assessment Handbook (NOAH);
- Have working knowledge of NATO Response Planning process as per ACO Comprehensive Operations Planning Directive (COPD 2.0, Chapter 4).

## Prerequisite Course

N/A

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

# NATO MCCIS Orientation & User

Course ID

A0270

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Oeiras (PRT)

Minimum Class Size: 6

Maximum Class Size: 10

Course Length (working days): 5

## Purpose of Course

To provide military and civilian personnel with knowledge and skills to access MCCIS software applications and databases. Completion of the course will certify the Student capable of using MCCIS as a basic user.

## Learning Objectives

Upon the completion of the course, the qualified student will be able to:

- Perform General Procedures.
- Manipulate the Geographic Display.
- Access the Recognised Maritime Picture (RMP) plot.
- Access the MCCIS databases.
- Use planning tools and decisions aids.
- Use the MCCIS resources to prepare briefings.

## Qualification

NATO Certified MCCIS User

## Student Criteria

The student must:

- Been assigned to a NATO Maritime Command or National Site fitted with MCCIS for non RMP management purposes.
- Have met the Background Knowledge Prerequisites for this course.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV,NIC B3,OF6,OR7,NIC A5,NIC A3,NIC B6,OF4,OF5,OR5,NIC B4,OR4,NIC A4,OR2,OR3,OF2,OR1,OR9,NIC A6,OF1,OR6,OR8,OF3,NIC A2,NIC B5

## Special Instructions

Course normally runs concurrently with 0271 and when done so, class sizes are adjusted under 0271 parameters.

## Security Clearance

NATO SECRET (NS)

## Pre-Course Study Material

-Course 0270 pre-study guide (available at <https://jatl.act.nato.int/>). Login credentials are required and can be requested from a military address to JADL.

-ADL 013 Maritime Functional Area Services

pre-study Course (NCISS 602)

## Background

-This course does not cover any communications practices but does give a communications introduction. -This course is recommended prior to 0273 and 0275.

## Prerequisite Course

Maritime FAS Pre-study (ADL)

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

# NATO MCCIS RMP Operator

Course ID

A0271

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Oeiras (PRT)

Minimum Class Size: 6

Maximum Class Size: 10

Course Length (working days): 10

## Purpose of Course

To provide military and civilian personnel with knowledge and skills to use the MCCIS software applications to support site Maritime Command and Control requirements. Completion of the course will certify the Student capable of performing RMP Operator functions.

## Learning Objectives

Upon the completion of the course, the qualified student will be able to:

- Perform General Procedures.
- Manipulate the Geographic Display.
- Control the Recognized Maritime Picture (RMP) plot.
- Manipulate the RMP database.
- Use planning tools and decisions aids.
- Communicate using RMP Exchange messages.
- Execute Communications Manager functions.
- Communicate using NATO Messages.
- Use the MCCIS resources to prepare briefings.
- Access MCCIS databases.
- Access the MCCIS WISE Services through a web browser.
- Knowledge of Maritime Situational Awareness requirements.
- Knowledge of RMP related NATO publications and signals.

## Qualification

NATO Certified RMP Operator

## Student Criteria

The student must:

- Been assigned to a NATO Maritime Command and Control site or National RMP unit or Maritime Command
- Have met the Background Knowledge Prerequisites for this course

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV,NIC B3,OF6,OR7,NIC A5,NIC A3,NIC B6,OF4,OF5,OR5,NIC B4,OR4,NIC A4,OR2,OR3,OF2,OR1,OR9,NIC A6,OF1,OR6,OR8,OF3,NIC A2,NIC B5

## Special Instructions

N/A

## Security Clearance

NATO SECRET (NS)

## Pre-Course Study Material

- Course 0271 pre-study guide (available at <https://jadr.act.nato.int/>). Login credentials are required and can be requested from a military address to JADL.
- ADL 013 Maritime Functional Area Services pre-study Course (NCISS 602)

## Background

- A basic working knowledge of MCCIS or other Maritime Command and Control System.
- Background knowledge of Radar, Communications, Link, Electronic Warfare, or Intelligence Operator.
- Completion of Course 0271 pre-study guide (see JADL website for more info.)
- This course serves as a prerequisite course for 0277.

## Prerequisite Course

Maritime FAS Pre-study (ADL)

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)



## NATO MCCIS Site Administrator

Course ID

A0273

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Oeiras (PRT)

Minimum Class Size: 6

Maximum Class Size: 10

Course Length (working days): 10

## Purpose of Course

To provide military and civilian personnel with the knowledge and skills to install, administer and maintain the MCCIS hardware and software.

## Learning Objectives

Upon the completion of the course, the qualified student will be able to:

- Provide an overview of MCCIS, RMP, and Site Administration.
- Perform MCCIS basic skills.
- Plan Site requirements.
- Plan MCCIS configuration.
- Conduct MCCIS installation and configuration.
- Perform site administration daily tasks and troubleshoot problems.

## Qualification

NATO Certified MCCIS Site Administrator

## Student Criteria

The student must:

- Been assigned to a NATO Maritime Command and Control site or National RMP unit or Maritime Command
- Have met the Background Knowledge Prerequisites for this course.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV,NIC B3,OF6,OR7,NIC A5,NIC A3,NIC B6,OF4,OF5,OR5,NIC B4,OR4,NIC A4,OR2,OR3,OF2,OR1,OR9,NIC A6,OF1,OR6,OR8,OF3,NIC A2,NIC B5

## Special Instructions

N/A

## Security Clearance

NATO SECRET (NS)

## Pre-Course Study Material

- 0273 Course pre-study guide (available at <https://jidl.act.nato.int/>). Login credentials are required and can be requested from a military address to JADL.
- ADL 014 MCCIS Administrator pre-study

## Course (NCISS 603)

## Background

- Technical background with sound working knowledge of computer systems and networking. No prior UNIX is required however it is desirable.
- Completion of Course 014 pre-study guide (available on JADL website).

## Prerequisite Course

MCCIS Pre-study (ADL)

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

# NATO MCCIS Waterspace Management

Course ID

A0275

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Oeiras (PRT)

Minimum Class Size: 6

Maximum Class Size: 10

Course Length (working days): 5

## Purpose of Course

To provide military and civilian personnel with knowledge and skills to operate the MCCIS WSM Prevention of Mutual Interference (PMI) application.

## Learning Objectives

Upon the completion of the course, the qualified student will be able to:

- Work with the basic features of the MCCIS.
- Explain NATO/NATIONAL WSM/PMI operations and procedures
- Utilize the functionality of the WSM/PMI application to support submarine operations.
- To Plan and plot submarine tracks
- To Plan and plot submarine areas
- To perform Interference checking IAW ATP-18
- To create Submarine operations related formatted messages
- Query WSM database and produce SUBDAY presentations

## Qualification

NATO Certified WSM/PMI Operator

## Student Criteria

The student must:

- Been assigned to a NATO/National Maritime Command and Control site WSM position.
- Have a sound working knowledge of NATO/NATIONAL submarine operations and planning.
- Have met the Background Knowledge Prerequisites for this course.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

NIC A2,NIC B5,CIV,NIC B3,OF6,OR7,NIC A5,NIC A3,NIC B6,OF4,OF5,OR5,NIC B4,OR4,NIC A4,OR2,OR3,OF2,OR1,OR9,NIC A6,OF1,OR6,OR8,OF3

## Special Instructions

N/A

## Security Clearance

NATO SECRET (NS)

## Pre-Course Study Material

N/A

## Background

- A sound working knowledge of NATO/ NATIONAL submarine operations and planning.
- A sound working knowledge of SMAA and SUBOPAUTH procedures.
- A sound understanding of ATP-18 Allied Manual of Submarine Operations (NC).

## Prerequisite Course

Maritime FAS Pre-study (ADL)

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

# NATO MCCIS RMP Supervisor

Course ID

A0277

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 6

Maximum Class Size: 10

Course Length (working days): 5

## Purpose of Course

To provide military and civilian personnel with knowledge and skills to employ and manage the MCCIS software applications, techniques and procedures to support the exchange of Recognized Maritime Picture (RMP) data.

## Learning Objectives

Upon completion the course, the qualified student will be able to Supervise and maintain the exchange of RMP data among participating MCCIS sites through detailed instruction in the following areas:

- NATO RMP standard operating procedures.
- NATO RMP communication support infrastructure and capabilities.
- RMP exchange message types, content and structure.
- Force Over-the-horizon Track Coordinator theory and operations.
- Maintain and managing supporting RMP communications interfaces.
- Maintain and managing supporting RMP software applications
- RMP database maintenance and management.
- Ambiguity identification and resolution.

## Qualification

NATO Certified RMP Supervisor

## Student Criteria

- Been assigned to a NATO Maritime Command and Control site or National RMP unit.
- Sound experience in Maritime Operations background.
- Sound knowledge of NATO RMP SOP and NATO RMP OPTASK
- Have completed the MCCIS RMP Operator course (0271) or equivalent.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OF3,NIC A2,NIC B5,CIV,NIC B3,OF6,OR7,NIC A5,NIC A3,NIC B6,OF4,OF5,OR5,NIC B4,OR4,NIC A4,OR2,OR3,OF2,OR1,OR9,NIC A6,OF1,OR6,OR8

## Special Instructions

N/A

## Security Clearance

NATO SECRET (NS)

## Pre-Course Study Material

N/A

## Background

- Experienced MCCIS operator with responsibility for the Supervision of RMP data and controlling the exchange of data between sites.
- Completion of the RMP Operator Course and/or National equivalent course is mandatory.

## Prerequisite Course

NATO MCCIS Orientation & User,NATO MCCIS RMP Operator

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

## Cyber Defence NATO CIS Security Officer

Course ID

A0280

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 14

Maximum Class Size: 20

Course Length (working days): 5

## Purpose of Course

The purpose of the course is to provide military and civilian personnel from NATO Headquarters, NATO Commands, NATO MoDs, and NATO Agencies with the knowledge and skills to assume the responsibilities as CIS Security (INFOSEC) Officer so to be able to maintain the confidentiality, integrity and the availability of the site concerned, and to understand and execute NATO Security policies, doctrines and technical capabilities.

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- describe the security organization, roles, and responsibilities within NATO;
  - describe the threats to NATO CIS;
  - describe the NATO accreditation process for CIS;
  - describe the capabilities and limitations of NATO's TEMPEST, TRANSEC, and CRYPTO SECURITY, and how to request assistance;
  - describe in detail NATO's CIS Security rules, regulations, and equipment;
  - describe in detail crypto logistic, maintenance, key accountability and distribution methodology & procedures.
- All student will perform a practical exercise at the end of the course.

## Qualification

NATO CIS Security (INFOSEC) Staff Officer

## Student Criteria

The student must:

- Be accepted on the course if he/she meets all of the following criteria:
- Have been assigned or selected for assignment to a NATO HQ or Agency or Unit or earmarked for assignment to NATO.
- Have been appointed CIS Security (INFOSEC) Officer working on behalf of the Commander's CIS Security Authority, Security Accreditation Authority or the CIS Security Operational Authority.
- Have met the Background Knowledge Prerequisites for this course

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OR6,OR8,OF3,NIC A2,NIC B5,OR7,NIC A3,NIC

B6,OF4,OR5,NIC A4,OF2,OR9

## Special Instructions

N/A

## Security Clearance

NATO SECRET (NS)

## Pre-Course Study Material

Student should be aware of the contents of the following policy documents:- Latest C-M(2002)49 -Security Within the North Atlantic Treaty Organisation;- Latest ACO Security Directive - AD 70-1.

## Background

It is highly desirable for the students to complete the CIS Orientation Course for Officers or NCOs (0101 or 0103)

## Prerequisite Course

N/A

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

## TOPFAS OPT Train the Trainer

Course ID

A0285

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 4

Maximum Class Size: 8

Course Length (working days): 5

## Purpose of Course

The purpose of the course is to:  
Provide the participants with the knowledge and understanding required to become TOPFAS OPT Practitioners Course trainers.

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- Explain the purpose of TOPFAS and OPT in particular;
- Create the TOPFAS OPT training environment;
- Explain how system analysis can contribute to operations planning;
- Instruct the main OPT functionalities;
- Apply the advanced OPT features (templates, workspaces).

## Qualification

HQ Trainer for TOPFAS OPT for User

## Student Criteria

The student must be dedicated to personnel to be assigned as TOPFAS OPT trainer of their HQ.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OF2,OR9,OF1,OR6,OR8,OF3,NIC A2,NIC B5,CIV,NIC B3,OF6,NIC A5,OR7,NIC A3,NIC B6,OF4,OF5,NIC B4,OR5,NIC A4,NIC A6

## Special Instructions

Prioritization seat allocation IAW OPR.

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

Any pre-course study material will be sent out via e-mail by the lead instructor.

## Background

The student must:

- Be an TOPFAS OPT Practitioner/User Training Course Graduate (NCISS course ID 0265);
- Be an TOPFAS Advanced User/Functional Manager Training Course Graduate (NCISS course ID 0288);
- Possess instructor capabilities and

presentation skills.

## Prerequisite Course

TOPFAS OPT for User, TOPFAS for Advanced User-Functional Manager

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

## TOPFAS SAT Train the Trainer

Course ID

A0286

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 4

Maximum Class Size: 8

Course Length (working days): 5

## Purpose of Course

The purpose of the course is to:

- Provide the participants with the knowledge and understanding required to become TOPFAS SAT Practitioners Course trainers;
- The participants understand the management of users in UMT and SAT

- Have working knowledge of NATO Response Planning process as per ACO Comprehensive Operations Planning Directive (COPD 2.0, Chapter 1,2, 4).

The student should:

- Have in-depth knowledge on System Analysis (Analyst-SAT);

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- Identify the main functions as per COPD and their associated integrated TOPFAS tools;
- Teach the System Analysis Tool-s (SAT) main functionalities to single users;
- Teach student the use of SAT to contribute to the collaborative system analysis of an engagement space;
- Create and manage users- roles in UMT and users- privileges in SAT.

## Prerequisite Course

TOPFAS SAT for User

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

## Qualification

HQ Trainer for TOPFAS SAT for User

## Student Criteria

The student must be identified as the TOPFAS SAT trainer of their HQ.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

## Special Instructions

Prioritization seat allocation IAW OPR.

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

Any pre-course material will be provided by the lead instructor via e-mail.

## Background

The student must:

- Be a SAT Practitioner/User Training Course Graduate (NCISS course ID 0266);
- Possess instructor capabilities and presentation skills.
- Have working knowledge of Microsoft Windows and the common Microsoft Office applications (Word, PowerPoint and Excel).



## TOPFAS CAT Train the Trainer

Course ID

A0287

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 4

Maximum Class Size: 8

Course Length (working days): 5

## Purpose of Course

The purpose of the course is to:

- Provide the participants with the knowledge and understanding required to become TOPFAS CAT Practitioners Course trainers;
- The participants understand the TOPFAS capabilities and the relationships between the different TOPFAS tools;
- The participants understand the management of users in UMT and CAT.

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- Explain the main functions as per COPD and their associated integrated TOPFAS tools to users;
- Train the CAT main functionalities to single users.

## Qualification

HQ Trainer for TOPFAS CAT for User

## Student Criteria

The student must be identified as a TOPFAS CAT trainer of their HQ.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

NIC A6,OF2,OR9,OF1,OR8,OR6,OF3,NIC A2,NIC B5,CIV,NIC B3,OF6,NIC A5,OR7,NIC A3,NIC B6,OF4,OF5,NIC B4,OR5,NIC A4

## Special Instructions

Prioritization seat allocation IAW OPR.

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

Any pre-course material will be provided by the lead instructor via e-mail.

## Background

The student must:

1. Be a CAT Practitioner/User Training Course Graduate (NCISS course ID 267);
2. Possess instructor capabilities and presentation skills.

3. Have working knowledge of Microsoft Windows and the common Microsoft Office applications (Word, PowerPoint and Excel).

Participants should

4. Have in-depth knowledge on Operations assessment (Assessor-CAT);

## Prerequisite Course

TOPFAS CAT for User

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

# TOPFAS for Advanced User-Functional Manager

Course ID

A0288

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 4

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

The purpose of the course is to provide advanced knowledge of all TOPFAS tools (OPT, SAT, CAT, OMT, UMT) including the functional administration of TOPFAS users and management related features. Specifically, the course aims are:

- To enhance the participants' awareness of the NATO Crisis Management Process (NCMP) and related concepts that are supported by TOPFAS tools.

- To prepare the participants for the overall functional management of TOPFAS tools at their HQ;
- To prepare the participants for the creation and management of the ORBATs using the OMT.
- To prepare the participants for the creation and management of TOPFAS users at their work location.

It is also the mandatory prerequisite course to become TOPFAS OPT HQ Trainer (NCISS ID 0285). This advanced course builds upon the User course for any of the TOPFAS tools (either OPT or SAT or CAT) (NCISS ID: OPT-0265, SAT-0266, CAT-0267).

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- Apply operations planning principles such as Mission Command and the Comprehensive Understanding of the Environment, using the integrated TOPFAS tools.
- Create and manage the TOPFAS users and their role(s) and permissions.
- Enable System Analysis in TOPFAS SAT.
- Create and manage ORBATs in TOPFAS Orbat Management Tool (OMT).
- Carry out all functional management functions of the HQ-s TOPFAS environment such as
  - a. creation and management of plans, workspaces, engagement spaces;
  - b. preparation of specific HQ templates;
  - c. creation and management of geographical map layers;
  - d. data exchange with other systems/FAS; including management of interoperability settings.
- Prepare and support the collaborative planning activities using advanced TOPFAS features.
- Manage information visibility and maturity status.
- Publish and manage information on the TOPFAS Web Portal (TWP).

## Qualification

TOPFAS Advanced User/Functional Manager

## Student Criteria

The student must be appointed to become TOPFAS functional manager or TOPFAS OPT trainer.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

NIC A4,NIC A6,OF2,OR9,OF1,OR8,OR6,OF3,NIC A2,NIC B5,CIV,NIC B3,OF6,NIC A5,OR7,NIC A3,NIC B6,OF4,OR4,OR2,OF5,NIC B4,OR3,OR5,OR1

## Special Instructions

Prioritization seat allocation IAW OPR.

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

Any pre-course material will be provided by the lead instructor via e-mail.

## Background

The student must:

- Be a qualified TOPFAS OPT or SAT or CAT User/practitioner (NCISS ID 0265, 0266, 0267),
- Be prepared to demonstrate practical working knowledge of TOPFAS OPT basic features

- Have working knowledge of Microsoft Windows and the common Microsoft Office applications (Word, PowerPoint and Excel).

The student should:

- Have working knowledge of NATO Response Planning process as per ACO-s Comprehensive Operations Planning Directive (COPD 2.0) and doctrinal aspects related to operations planning as per AJP-1 and AJP-5.

## Prerequisite Course

TOPFAS OPT for User, TOPFAS SAT for User, TOPFAS CAT for User

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

# Geo Basics Level 1

Course ID

A0300

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 6

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

The purpose of the course is to teach military and civilian personnel the foundation and main concepts of Geospatial Information Systems, the place/role of the Cartographic Workshop (CWS) within the NATO Core GIS context and to teach "hands-on" the basic usage of the CWS.

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- Explain the fundamental concepts that underlie Geographic Information Systems.
- Describe the ArcGIS Desktop applications.
- Symbolize and label digital geographic data.
- Create and print basic digital map layouts.
- Manage tabular data.
- Perform basic feature and attribute editing tasks.
- Perform basic vector data analysis tasks.

## Qualification

Junior CWS User

## Student Criteria

The student must meet the stated background knowledge prerequisites.

## Language Proficiency

In accordance with STANAG 6001: English SLP 2222

## Rank/Grade

OR3,OR5,OR1,NIC A4,NIC  
A6,OF2,OR9,OF1,OR8,OR6,OF3,NIC A2,NIC  
B5,CIV,NIC B3,OF6,NIC A5,OR7,NIC A3,NIC  
B6,OF4,OR4,OF5,NIC B4,OR2

## Special Instructions

N/A

## Security Clearance

NATO RESTRICTED (NR)

## Pre-Course Study Material

N/A

## Background

- No GIS knowledge is required.
- student shall have working level skills with

Windows-based software.

## Prerequisite Course

N/A

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

## Geo Basics Level 2

Course ID

A0301

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 6

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

The purpose of the course is to teach military and civilian personnel how to use the ArcGIS desktop software for their day-to-day work and in the execution of the Core GIS Business Scenarios.

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

- Describe the different types of geodatabases and geodatabase objects.
- Edit coincident geometries and work with geodatabase topology.
- Use geodatabase subtypes and domains for geospatial data modelling.
- Export and import geospatial data to/from a variety of supported data formats.
- Apply spatial analysis tools.
- Work with 3D data.
- Solve spatial problems with query and analysis.

## Qualification

CWS User

## Student Criteria

The student must meet the stated background knowledge prerequisites.

## Language Proficiency

In accordance with STANAG 6001: English SLP 2222

## Rank/Grade

NIC B4,OR2,OR3,OR5,OR1,NIC A4,NIC A6,OF2,OR9,OF1,OR8,OR6,OF3,NIC A2,NIC B5,CIV,NIC B3,OF6,NIC A5,OR7,NIC A3,NIC B6,OF4,OR4,OF5

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

The student should have completed the Geo Basics I module (course 0300) or possess

equivalent knowledge.

## Prerequisite Course

Geo Basics Level 1

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

## Geo Scenario

Course ID

A0302

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 6

Maximum Class Size: 12

Course Length (working days): 10

## Purpose of Course

The purpose of the course is to teach military and civilian personnel how to proficiently use the Cartographic Workshop for typical NATO Scenarios based on the relevant concept of operations.

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- Understand the Core GIS data structure and management.
- Organize raster data into Mosaic Datasets.
- Produce and publish specific geo products.
- Manage and maintain published GIS resources and relevant web services.
- Optimise the performance of geospatial web services.
- Create and publish geo-processing services.
- Exchange GIS resources as self-contained packages.
- Ensure the online geospatial data provision to Functional Area Systems.
- Configure access control to online geospatial web services.
- Build and manage web applications in order to allow exploitation of selected services via generic web browsers.

## Qualification

NATO Geo Technician

## Student Criteria

The student must:

- Be part of the NATO or 7NNN Geo staff community
- Have met the Background Knowledge

Prerequisites for this course

## Language Proficiency

In accordance with STANAG 6001: English SLP 2222

## Rank/Grade

OF5,NIC B4,OR2,OR3,OR5,OR1,NIC A4,NIC A6,OF2,OR9,OF1,OR8,OR6,OF3,NIC A2,NIC B5,CIV,NIC B3,OF6,NIC A5,OR7,NIC A3,NIC B6,OF4,OR4

## Special Instructions

N/A

## Security Clearance

NATO RESTRICTED (NR)

## Pre-Course Study Material

N/A

## Background

The student should have completed the Geo Basics II module (course 0301) or possess equivalent knowledge.

## Prerequisite Course

Geo Basics Level 2

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

## ORACLE Junior DBA

Course ID

A0304

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 6

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

The purpose of the course is to teach military and civilian personnel the basic concepts of databases, the role of a DBA and the common SQL statements used by the DBA. The Junior DBA will be able to independently perform basic DBA tasks.

N/A

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- Describe the Oracle Database Architecture.
- Understand the basic SQL statements used by the DBA and run SQL scripts.
- Create and manage a database instance.
- Configure the database network connectivity.
- Administer users.
- Manage undo data.
- Perform basic backup and recovery tasks.
- Export and import data

## Qualification

Junior Database Administrator

## Student Criteria

The student must meet the stated background knowledge prerequisites

## Language Proficiency

In accordance with STANAG 6001: English SLP 2222

## Rank/Grade

NIC B6,OF4,OR4,OF5,NIC  
B4,OR2,OR3,OR5,OR1,NIC A4,NIC  
A6,OF2,OR9,OF1,OR8,OR6,OF3,NIC A2,NIC  
B5,CIV,NIC B3,OF6,NIC A5,OR7,NIC A3

## Special Instructions

N/A

## Security Clearance

NATO RESTRICTED (NR)

## Pre-Course Study Material

N/A

## Background

- Basic Concepts of IT and Systems Support are required.
- Knowledge of SQL Syntax is a plus.

## Prerequisite Course

# ORACLE Database Administrator

Course ID

A0305

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 6

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

The purpose of the course is to teach military and civilian personnel the fundamental knowledge required to independently maintain and support an Oracle single instance database.

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

- Configure Automatic Storage Management.
- Implement Oracle Database Security.
- Manage Database Memory and Storage Structures.
- Use the Advisors and views to monitor and improve database performance.
- Understand database character sets and globalization settings.
- Use RMAN to create backups and perform database recovery.

## Qualification

Oracle Database Administrator

## Student Criteria

The student must meet the stated background knowledge prerequisites

## Language Proficiency

In accordance with STANAG 6001: English SLP 2222

## Rank/Grade

OR7,NIC A3,NIC B6,OF4,OR4,OF5,NIC B4,OR2,OR3,OR5,OR1,NIC A4,NIC A6,OF2,OR9,OF1,OR8,OR6,OF3,NIC A2,NIC B5,CIV,NIC B3,OF6,NIC A5

## Special Instructions

N/A

## Security Clearance

NATO RESTRICTED (NR)

## Pre-Course Study Material

N/A

## Background

The student should have completed the Oracle Junior DBA course (Course 0304) or possess equivalent knowledge and junior level DBA

experience

## Prerequisite Course

ORACLE Junior DBA

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)



# Core GIS Servers

Course ID

A0310

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Oeiras (PRT)

Minimum Class Size: 6

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

The purpose of the course is to teach military and civilian personnel the fundamental knowledge required to independently support the Core GIS server environment.

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

- Describe the architecture of the Core GIS Baseline system.
- Identify the PaaS components that are used in Core GIS and provide the requirements to set them up to other administrators.
- Apply the installation and configuration procedures described in the Core GIS Baseline RFC and site documents.
- Install, configure and manage a multiple node ArcGIS Server site.
- Troubleshoot a Core GIS Baseline system and its individual ArcGIS components.
- Identify the causes of problems within Core GIS and provide detailed information for the Level 3 Support.

## Qualification

Core GIS Server Administrator

## Student Criteria

The student must meet the stated background knowledge prerequisites

## Language Proficiency

In accordance with STANAG 6001: English SLP 2222

## Rank/Grade

OF6,NIC A5,OR7,NIC A3,NIC  
B6,OF4,OR4,OF5,NIC B4,OR2,OR3,OR5,OR1,NIC  
A4,NIC A6,OF2,OR9,OF1,OR8,OR6,OF3,NIC  
A2,NIC B5,CIV,NIC B3

## Special Instructions

N/A

## Security Clearance

NATO RESTRICTED (NR)

## Pre-Course Study Material

N/A

## Background

Basic Windows system administration experience, understanding of storage systems and networking are required

## Prerequisite Course

N/A

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

# NATO Data Centre Virtualization

Course ID

A0311

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

The purpose of the course is to teach military and civilian personnel the fundamental knowledge required to setup and maintain a virtualised IT infrastructure environment.

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- Provide a description of the vSphere environment.
- Install and configure an ESXi Cluster and a vCentre Server.
- Configure virtual networking.
- Configure NFS, iSCSI and Fibre Channel Data Stores.
- Create and deploy virtual machines.
- Manage VM resource allocation, failover and live migration across physical hosts.
- Convert a physical computer to a virtual computer.
- Administer vSphere Global Security.
- Monitor and troubleshoot the virtual environment.

## Qualification

Virtual Datacentre Administrator

## Student Criteria

The student must meet the stated background knowledge prerequisites

## Language Proficiency

In accordance with STANAG 6001: English SLP 2222

## Rank/Grade

OF6,NIC A5,OR7,NIC A3,NIC  
B6,OF4,OR4,OF5,NIC B4,OR2,OR3,OR5,OR1,NIC  
A4,NIC A6,OF2,OR9,OF1,OR8,OR6,OF3,NIC  
A2,NIC B5,CIV,NIC B3

## Special Instructions

N/A

## Security Clearance

NATO RESTRICTED (NR)

## Pre-Course Study Material

N/A

## Background

student should possess a system

administration background with a general understanding of storage systems and TCP/IP networking.

## Prerequisite Course

N/A

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

## LC2IS End User

Course ID

A0450

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Oeiras (PRT)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

To provide military and civilian personnel with knowledge and basic skills to use LC2IS applications.

## Learning Objectives

Upon the completion of the course, the qualified student will be able to:

- Maintain Situational Awareness utilising the DA and WA
- Execute and Manage Operations
- Access and Manage C2IPs

## Qualification

LC2IS End User

## Student Criteria

The student must be assigned to a NATO or National HQ, fielded with LC2IS.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OR7,OR9,OR5,NIC A6,OF1,OF3,OR3,NIC B5,OR8,NIC A2,NIC A4,OF2,OR6,NIC B3,CIV,NIC A3,NIC B6,OR2,OF6,NIC A5,NIC B4,OR1,OF4,OR4,OF5

## Special Instructions

N/A

## Security Clearance

NATO SECRET (NS)

## Pre-Course Study Material

N/A

## Background

- Computer Skills: Microsoft Office Package (Word, Excel, PowerPoint), Microsoft Outlook, Web Browser, MS Windows

## Prerequisite Course

N/A

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

# LC2IS Information Management

Course ID

A0451

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Oeiras (PRT)

Minimum Class Size: 3

Maximum Class Size: 6

Course Length (working days): 5

## Purpose of Course

To provide military and civilian personnel with knowledge and basic skills to manage LC2IS applications.

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- Fill in the site configuration
- Preparation for operation & exercise
- Maintain LC2IS Applications
- Access & Manage C2IPs

## Qualification

LC2IS Information Manager

## Student Criteria

The student must:

- Be assigned to a NATO or National HQ, fielded with LC2IS.
- Have completed the LC2IS End User Course (0450) or equivalent course.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OR7,OR9,OR5,NIC A6,OF1,OF3,OR3,NIC B5,OR8,NIC A2,NIC A4,OF2,OR6,NIC B3,CIV,NIC A3,NIC B6,OR2,OF6,NIC A5,NIC B4,OR1,OF4,OR4,OF5

## Special Instructions

N/A

## Security Clearance

NATO SECRET (NS)

## Pre-Course Study Material

N/A

## Background

- Computer Skills: Microsoft Office Package (Word, Excel, PowerPoint), Microsoft Outlook, MS SharePoint.
- Successful completion of Course ID 0450 LC2IS End User.

## Prerequisite Course

LC2IS End User

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

# LC2IS Train the Trainer End User

Course ID

A0452

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Mobile Training Team

Minimum Class Size: 4

Maximum Class Size: 8

Course Length (working days): 5

## Purpose of Course

To provide military and civilian personnel with knowledge and skills to teach LC2IS applications to LC2IS End Users.

## Learning Objectives

Upon the completion of the course, the qualified student will be able to:

- Verify training platform.
- Conduct Pre-course checklist.
- Run a LC2IS End User Course
- Train on the LC2IS Portal and functions
- Train on the Desktop Application
- Train on the Web Application
- Train on the LC2IS Collaborative tools
- Conduct Post-course checklist

## Qualification

NATO LC2IS Trainer for End Users

## Student Criteria

- Been assigned to a NATO or National HQ, fielded with LC2IS.
- Have met the Background Knowledge Prerequisites for this course.
- Have completed the LC2IS End User Course (0450) or equivalent course.
- Have completed the LC2IS Information Manager Course (0451) or possess equivalent knowledge.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

NIC B3,OF6,NIC A5,OR7,NIC A3,NIC B6,OF4,OR4,OF5,NIC B4,OR2,OR3,OR5,OR1,NIC A4,NIC A6,OF2,OR9,OF1,OR8,OR6,OF3,NIC A2,NIC B5,CIV

## Special Instructions

N/A

## Security Clearance

NATO SECRET (NS)

## Pre-Course Study Material

N/A

## Background

-Computer Skills: Microsoft Office Package (Word, Excel, PowerPoint), Microsoft Outlook,

Web Browser, MS Windows, MS SharePoint.

-Trainer background or appropriate skills.

-Successful completion of Course IDs 0450 and 0451 or national equivalent.

## Prerequisite Course

LC2IS Information Management

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

## AIFS Pre-study (ADL)

Course ID

A0600

Remote Participation available: yes

On Demand onsite delivery available: no

Location: ADL

Minimum Class Size: 1

Maximum Class Size: 10

Course Length (working days): 1

## Purpose of Course

The purpose of the course is to provide an overview of ACP127 message procedures. This course is intended for current and future AIFS operators and AIFS shift supervisors working directly with AIFS in a NATO communication centre. This online course is the mandatory prerequisite course for attending the AIFS Operator course (NCISS ID 0161).

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- List the types of formats used for Military Messages.
- State the purpose of different formats.
- Validate the elements of different Format Lines in Plaindress messages.
- Code and decode the 10 most common Operating Signals as used in AIFS.
- State the purpose of a Service Message.
- Select the elements used for message identification.
- State the purpose of an ASM (Abbreviated Service Message)
- Describe the restriction of an ASM (Abbreviated Service Message)
- Explain channel designator
- Describe the sequence to open a channel.
- Describe the sequence to close a channel.
- Describe how to restrict traffic
- Give an example of how open numbers occur.
- Prepare a ZFX ASM in the correct format.
- Complete a pilot for a misrouted message.
- Identify a retransmission request.

## Background

Desirable:

- Working experiences as operator in a Communication Centre / Message Relay Centre / Ship Message Operation Centre or similar environment.

## Prerequisite Course

N/A

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

## Qualification

Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV,NIC B3,OF6,NIC A5,OR7,NIC A3,NIC B6,OF4,OR4,OF5,NIC B4,OR2,OR3,OR5,OR1,NIC A4,NIC A6,OF2,OR9,OF1,OR8,OR6,OF3,NIC A2,NIC B5

## Special Instructions

# SATCOM Basic (ADL)

Course ID

A0601

Remote Participation available: yes

On Demand onsite delivery available: no

Location: ADL

Minimum Class Size: 1

Maximum Class Size: 10

Course Length (working days): 1

## Purpose of Course

The purpose of the course is to provide an overview on SATCOM technologies.

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- Learn what SATCOM is, and how and why NATO uses it;
- Learn the characteristics of a geostationary orbit;
- Learn about the Cassegrain antenna used in NATO Satcom main characteristics;
- Learn the block diagram of a transponder and understand its purpose;
- Learn the frequencies and bandwidths that apply to NATO SATCOM;
- Learn the block diagram of a ground terminal is, and how NATO deploys ground terminals;
- Learn the composition of the NATO SATCOM network and what types of links are used in NATO SATCOM;
- Become familiar with main features of digital through connectivity;
- Learn about current plans for future NATO SATCOM configurations;
- Understand the role of NCC/ANCC and their main activities;
- Learn to use the decibel scale;
- Learn A/D converter basics and PCM technique;
- Learn what a scrambler is, and what it does;
- Become familiar with the line codes typically used SATCOM;
- Learn the difference between a synchronous and an asynchronous data exchange;
- Learn the basic of G.703 standard;
- Understand the purpose of an interface standard and become familiar with the primary European and North American standards;
- Learn what a protocol is, and what it specifies. HDLC protocol example;
- Understand the need for network synchronization;
- Bit Error Rate concept and influences;
- Forward Error Correction and Bit Error Rate;
- Carrier to Noise ratio and Eb/No;
- Link budget;
- Data buffer;
- Differential encoding;
- Phase Shift Key modulation: BPSK and QPSK;
- Noise within a SATCOM system: its unit of measurements and assessment;
- Radiation hazards within SATCOM.

## Qualification

## Certificate of Attendance

### Student Criteria

The student must:

- Be assigned or selected for assignment to NATO Headquarters or Agency or Units assigned to or earmarked for assignment to NATO;
- Be appointed to the courses IDs: 0032, 0040, 0042, 0043, 0045, 0051, 0053, 0054 and 0903

### Language Proficiency

In accordance with STANAG 6001: English SLP 3232

### Rank/Grade

CIV,NIC B3,OF6,NIC A5,OR7,NIC A3,NIC B6,OF4,OR4,OF5,NIC B4,OR2,OR3,OR5,OR1,NIC A4,NIC A6,OF2,OR9,OF1,OR8,OR6,OF3,NIC A2,NIC B5

### Special Instructions

N/A

### Security Clearance

NATO UNCLASSIFIED (NU)

### Pre-Course Study Material

N/A

### Background

N/A

### Prerequisite Course

N/A

### Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)



# Maritime FAS Pre-study (ADL)

Course ID

A0602

Remote Participation available: yes

On Demand onsite delivery available: no

Location: ADL

Minimum Class Size: 1

Maximum Class Size: 10

Course Length (working days): 1

## Purpose of Course

The purpose of the course is to provide the basic knowledge about MARITIME Functional Services.

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

## Learning Objectives

Upon completion the course, the qualified student will have knowledge about:

- MCCIS;
- NATO RMP/COP;
- MCCIS Workspace Manager CDE;
- Formatted Messages;
- Acronyms.

## Qualification

Certificate of Attendance

## Student Criteria

The student must:

- Be assigned or selected for assignment to NATO Headquarters or Agency or Units assigned to or earmarked for assignment to NATO;
- Be appointed to the course: Maritime Basic Operator Course ID 0270, RMP Operator ID 0271 and WS Management ID 0275.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

NIC A2,NIC B5,CIV,NIC B3,OF6,NIC A5,OR7,NIC A3,NIC B6,OF4,OR4,OF5,NIC B4,OR2,OR3,OR5,OR1,NIC A4,NIC A6,OF2,OR9,OF1,OR8,OR6,OF3

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

N/A

## Prerequisite Course

N/A

## Value Notes

## MCCIS Pre-study (ADL)

Course ID

A0603

Remote Participation available: yes

On Demand onsite delivery available: no

Location: ADL

Minimum Class Size: 1

Maximum Class Size: 10

Course Length (working days): 1

## Purpose of Course

The purpose of the course is to provide skills and knowledge to install, administer and maintain the MCCIS hardware and software.

N/A

## Prerequisite Course

N/A

## Learning Objectives

Upon completion the course, the qualified student will be have knowledge about:

- MCCIS;
- NATO RMP/COP;
- MCCIS Workspace Manager CDE;
- Formatted Messages;
- Binary Math;
- TCP/IP Networking;
- Introduction to Protocols;
- Basic Networking Concepts;
- Acronyms.

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

## Qualification

Certificate of Attendance

## Student Criteria

The student must:

- Be assigned or selected for assignment to NATO Headquarters or Agency or Units assigned to or earmarked for assignment to NATO;
- Be appointed to the course: MCCIS Site Administrator ID 0273 and MCCIS RMP Supervisor ID 0277.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OF3,NIC A2,NIC B5,CIV,NIC B3,OF6,NIC A5,OR7,NIC A3,NIC B6,OF4,OR4,OF5,NIC B4,OR2,OR3,OR5,OR1,NIC A4,NIC A6,OF2,OR9,OF1,OR8,OR6

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

# Digital Communication (ADL)

Course ID

A0606

Remote Participation available: yes

On Demand onsite delivery available: no

Location: ADL

Minimum Class Size: 1

Maximum Class Size: 10

Course Length (working days): 1

## Purpose of Course

The purpose of the course is to provide basic knowledge of digital telecom and data transfer theory.

N/A

## Prerequisite Course

N/A

## Learning Objectives

Upon completion the course, the qualified student will be have knowledge about:

- State reasons for the Digital Revolution;
- State Advantages and Disadvantages of Digital Transmission;
- Explain the Analog to Digital conversion process;
- Explain basic concepts of DS-1 & E1 signal transmission;
- Describe how signalling is accomplished over digital systems;
- Give a basic description of T1 & E1 system, including "1's density";
- Explain basics of fractional T1 & E1 and other special services.

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

## Qualification

Certificate of Attendance

## Student Criteria

The student must be assigned or selected for assignment to NATO Headquarters or Agency or Units assigned to or earmarked for assignment to NATO.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OR8,OR6,OF3,NIC A2,NIC B5,CIV,NIC B3,OF6,NIC A5,OR7,NIC A3,NIC B6,OF4,OR4,OF5,NIC B4,OR2,OR3,OR5,OR1,NIC A4,NIC A6,OF2,OR9,OF1

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

## Public Key Infrastructure Pre-study (ADL)

Course ID

A0607

Remote Participation available: yes

On Demand onsite delivery available: no

Location: ADL

Minimum Class Size: 1

Maximum Class Size: 10

Course Length (working days): 1

## Purpose of Course

The purpose of the course is to provide an overview of the Public Key Infrastructure.

N/A

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- State what Cryptography and Digital Signature is.
- List the security requirements for information exchange.
- Comprehend principles and use of symmetric and asymmetric encryption.
- Identify the functionality of hash algorithm.
- Describe the verification and encryption process of the digital signature.
- List the digital signature security services.
- State the purpose and the function of a PKI.
- List the main components and architecture of PKI.
- Describe the process of secure data exchange.

## Qualification

Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OF2,OR9,OF1,OR8,OR6,OF3,NIC A2,NIC B5,CIV,NIC B3,OF6,NIC A5,OR7,NIC A3,NIC B6,OF4,OR4,OF5,NIC B4,OR2,OR3,OR5,OR1,NIC A4,NIC A6

## Special Instructions

Join to <https://jadl.act.nato.int>

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

N/A

## Prerequisite Course

## MCCIS Advanced (ADL)

Course ID

A0609

Remote Participation available: yes

On Demand onsite delivery available: no

Location: ADL

Minimum Class Size: 1

Maximum Class Size: 10

Course Length (working days): 1

## Purpose of Course

The purpose of the course is to provide military and civilian personnel with knowledge and skills to employ and manage the MCCIS software applications.

N/A

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- Explain how to log in and out of the MCCIS system;
- Use the layout of the MCCIS workspace and the components that make up the MCCIS system;
- Manipulate Chart Window, and map menus;
- Use Basic Track Management;
- Change the appearance of the Symbols on the Chart windows;
- Use Tactical Decision Aids.

## Qualification

Certificate of Attendance

## Student Criteria

The student must be assigned to courses 0273, 0275 and 0277.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OR2,OR1,NIC B4,OF4,OF5,OR4,OR7,CIV,NIC A6,OR9,OF3,OR5,OF1,OR3,NIC A2,NIC B5,OR8,NIC A4,OF2,OR6,NIC B3,NIC A3,OF6,NIC B6,NIC A5

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

N/A

## Prerequisite Course

## X-Band (ADL)

Course ID

A0610

Remote Participation available: yes

On Demand onsite delivery available: no

Location: ADL

Minimum Class Size: 1

Maximum Class Size: 10

Course Length (working days): 1

## Purpose of Course

The purpose of the course is to provide military and civilian personnel with an overview of X Band TSGT. This has also been designed to be a refresher course for qualified personnel (e.g. 035 NATO Transportable Satellite Ground Terminal (TSGT) Technician) and an introduction to a TSGT for not qualified personnel.

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- Show the block diagram and identify the major items employed in the TSGT
- State the function of the TSGT.
- State the purpose and function of:
  - All X Band TSGT Transmit chain units.
  - Varian HPA-s and their associated equipment within the X-Band TSGT RF sub-system.
  - All X Band TSGT Receive chain units.
  - X Band TSGT modems.
  - X Band TSGT Frequency Reference & Control Subsystem.
  - X Band TSGT Antenna Subsystem.
  - X Band TSGT Monitor and Control System (MACS).
  - X Band TSGT Power subsystem.

## Qualification

Certificate of Attendance

## Student Criteria

The student must be assigned or selected for assignment to NATO Headquarters or Agency or Units assigned to or earmarked for assignment to NATO.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

NIC A4,NIC A6,OF2,OR9,OF1,OR8,OR6,OF3,NIC A2,NIC B5,CIV,NIC B3,OF6,NIC A5,NIC A3,NIC B6,OR7,OF4,OR4,OF5,NIC B4,OR2,OR3,OR5,OR1

## Special Instructions

Join to <https://jatl.act.nato.int>

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

Desirable:

- 0035 NATO Transportable Satellite Ground Terminal (TSGT) Technician and/or
- Satellite Communications Basic ver.3.1 (ID 0601 online course).

## Prerequisite Course

N/A

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

# DCIS Network Engineering Pre-study (ADL)

Course ID

A0612

Remote Participation available: yes

On Demand onsite delivery available: no

Location: ADL

Minimum Class Size: 1

Maximum Class Size: 10

Course Length (working days): 1

## Purpose of Course

The purpose of the course is to prepare NATO Deployable CIS (DCIS) Engineers and Senior Operators for the NCISS Course 0915.

It refreshes and enforces pre-requisite knowledge and skills helpful to later master DCIS Target Architecture supporting Communications Services (ComS) technology and terminology.

This course is a Special category course in the DCIS Training Framework; it is a mandatory pre-requisite for the NCISS Course 0915.

The course is conducted on the NATO JADL under course number 130 via <https://jatl.act.nato.int/>

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- Place the NATO Packet-Based Access service supporting the current Internet Protocol (IP) Suite into a networking context;
- Describe the main role of Communication Access Services supporting devices (here, the switches);
- Explain the main Transport Service (routing) concepts and state the differences between the main IP routing protocols;
- Contrast the uses of naming and addressing used in NATO Communication Services and Service Management and Control (SMC) and how they are used together;
- Manage Communication Service IP address blocks using subnetting;
- Align NATO DCIS Capabilities with the NATO Quality of Service (QoS) architecture;
- Configure NATO numbered and named access lists to implement access control.

## Background

- Have passed NCISS course 0236 or the NCISS DCIS Network Foundation and Advanced Foundation or possess Cisco Certified Network Associate Routing & Switching (R&S) equivalent knowledge, skills and experience
- Be working in a DCIS environment AND Have pass

## Prerequisite Course

NATO Networking Infrastructure (CCNA R&S)

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

## Qualification

Certificate of Attendance

## Student Criteria

The student must:

- Be eligible to access the NATO Joint Advanced Distance Learning (JADL);
- Be assigned to attend NCISS Course 0915 in the near future.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

NIC A4,NIC A6,OF2,OR9,OF1,OR8,OR6,OF3,NIC A2,NIC B5,CIV,NIC B3,OF6,NIC A5,NIC A3,NIC B6,OR7,OF4,OR4,OF5,NIC B4,OR2,OR3,OR5,OR1

## Special Instructions



# Dragonfly Familiarization (ADL)

Course ID

A0613

Remote Participation available: yes

On Demand onsite delivery available: no

Location: ADL

Minimum Class Size: 1

Maximum Class Size: 10

Course Length (working days): 1

## Purpose of Course

The purpose of the course is to provide an overview of NATO Deployable CIS (DCIS) for the NATO Response Force (NRF). The course aims at military and civilian personnel from NATO Headquarters, NATO Command Structure (NCS), NATO Forces Structure (NFS) and NATO Agencies deploying and supporting NATO DCIS. Students will explore how DCIS will support extension or deployment of Services specified in the NATO Consultation, Command and Control (C3) Taxonomy in federated mission networks. Students examine the DCIS Target Architecture and now the NRF DCIS Capability commonly known as Dragonfly supports that structure. This course is a Foundation category course in the DCIS Training Framework; it serves as pre-requisites for a variety of courses, but is useful also as stand-alone familiarization.

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- Develop an understanding of NRF DCIS and related terminology;
- Analyse roles of select NATO Commands supporting or deploying in NATO Exercises and Operations (e.g. Allied Command Operations ACO, NCS, NFS, NATO CIS Group. NCISG, and NCI Agency);
- Relate the Operational Context to the CIS Services Capabilities and Technical Services;
- Associate building blocks of the NATO DCIS Target Architecture to each other;
- Explore the NRF DCIS Capability commonly referred to as -Dragonfly- - a project name for one of the deliveries of NRF DCIS Capability Packages (CP).

## Qualification

NRF DCIS Familiarization

## Student Criteria

The student must:

- Be eligible to access the NATO Joint Advanced Distance Learning (JADL);
- Have an interest or is actively involved in NATO DCIS deploying or supporting roles.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OR3,OR5,OR1,NIC A4,NIC  
A6,OF2,OR9,OF1,OR8,OR6,OF3,NIC A2,NIC  
B5,CIV,NIC B3,OF6,NIC A5,NIC A3,NIC

B6,OR7,OF4,OR4,OF5,NIC B4,OR2

## Special Instructions

- The course is conducted on the NATO JADL under course number via <https://jadl.act.nato.int/>
- This course will be updated as evolving NATO DCIS Operational and Technical Requirements dictate.

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

N/A

## Prerequisite Course

N/A

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

## CCENT (ICND1) On-Line

Course ID

A0650

Remote Participation available: yes

On Demand onsite delivery available: no

Location: DBL

Minimum Class Size: 10

Maximum Class Size: 15

Course Length (working days): 20

## Purpose of Course

The purpose of the course is to provide general networking theory and practical experience. The curriculum teaches networking based on application, covering networking concepts within the context of network environments student may encounter in their daily lives in small office and home office (SOHO) networking. The Course is intended to provide the CCNA Routing & Switching 1 (Introduction to Networks -ITN) curriculum and CCNA Routing & Switching 2 (Routing and Switching Essentials -RSE) curriculum in a time period of 4 weeks. The course is delivered as self-study online course remotely administered from NCISS. Students are enrolled in the Cisco Networking Academy, where they have access to course multimedia material and self-assessments, designed to measure gained knowledge of Cisco networking technologies. CCENT Module 1 (ITN) final exams (practice and theory) must be successfully passed prior to join CCENT Module 2 (RSE).

## Learning Objectives

Upon completion the course, the qualified student will be able to:

Cisco CCENT Module 1 (week1 and 2)

Introduction to Networks:

- Exploring the Network
- Configuring a Network Operating System
- Network Protocols and Communications
- Network Access
- Ethernet
- Network Layer
- Transport Layer
- IP Addressing
- Subnetting IP Networks
- Application Layer
- Build a small Network

Cisco CCENT Module 2 (week3 and 4)

- Routing Concepts
- Static Routing
- Dynamic Routing
- Switched Networks
- Switch Configuration
- VLANs
- Access Control Lists
- DHCP
- Network Address Translation for IPv4
- Device Discovery, Management and Maintenance

## Qualification

Networking Infrastructure Operator

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

NIC B4,OR2,OR3,OR5,OR1,NIC A4,NIC A6,OF2,OR9,OF1,OR8,OR6,OF3,NIC B5,NIC A2,CIV,NIC B3,OF6,NIC A5,NIC A3,NIC B6,OR7,OF4,OR4,OF5

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

- Basic knowledge of TCP/IP is highly recommended. student with no previous knowledge of networking may find this course very demanding.
- In addition, CCENT is designed for student with basic PC skills and foundational math and problem solving skills.

## Prerequisite Course

N/A

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

## NCOP User

Course ID

A0710

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Oeiras (PRT)

Minimum Class Size: 4

Maximum Class Size: 12

Course Length (working days): 0.5

## Purpose of Course

The purpose of the course is to provide military and civilian personnel with knowledge and basic skills to use NCOP application.

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

## Learning Objectives

Upon completion of the introductory User course, the qualified student will be able to:

- Access NCOP
- Display a COP
- Discover Information Products and their content
- Access Basic Geospatial functions.

## Qualification

NATO Certified NCOP User

## Student Criteria

The student must be assigned to a NATO or National HQ, fielded with NCOP.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OF5,NIC B4,OR2,OR3,OR5,OR1,NIC A4,NIC A6,OF2,OR9,OF1,OR8,OR6,OF3,NIC B5,NIC A2,CIV,NIC B3,OF6,NIC A5,NIC A3,NIC B6,OR7,OF4,OR4

## Special Instructions

This course can only be taught on NATO AIS, using existing NCOP infrastructure at location, primarily for NCS users

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

This course can only be taught on NATO AIS, using existing NCOP infrastructure at location, for NCS users

## Background

N/A

## Prerequisite Course

N/A

## Value Notes

# NCOP Advanced User

Course ID

A0711

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Oeiras (PRT)

Minimum Class Size: 4

Maximum Class Size: 12

Course Length (working days): 0.5

## Purpose of Course

The purpose of the course is to provide military and civilian personnel with knowledge and advanced skills to use NCOP application.

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

## Learning Objectives

Upon completion of the Advanced User course, the qualified student will be able to:

- Use Advanced Geospatial functions
- Display Information Products Advanced
- Search and filter BSOs
- Customise displays
- Use Notifications and alerts
- Use and contribute Shared Views

## Qualification

NATO Certified NCOP Advanced User

## Student Criteria

The student must:

- Be assigned to a NATO or National HQ, fielded with NCOP.
- Have completed the NCOP User (710).

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

NIC B6,OR7,OF4,OR4,OF5,NIC  
B4,OR2,OR3,OR5,OR1,NIC A4,NIC  
A6,OF2,OR9,OF1,OR8,OR6,OF3,NIC B5,NIC  
A2,CIV,NIC B3,OF6,NIC A5,NIC A3

## Special Instructions

This course can only be taught on NATO AIS, using existing NCOP infrastructure at location, primarily for NCS users

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

Review Learning Objectives from 0710 Course.

## Prerequisite Course

NCOP User

## Value Notes

# NCOP Data Contributor User

Course ID

A0712

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Oeiras (PRT)

Minimum Class Size: 1

Maximum Class Size: 9

Course Length (working days): 0.5

## Purpose of Course

The purpose of the course is to provide military and civilian personnel with knowledge and skills to contribute information to the COP using the NCOP application.

0710 Courses.

## Prerequisite Course

NCOP Advanced User

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

## Learning Objectives

Upon completion of the Data Contributor User course, the qualified student will be able to:

- Import data into NCOP for contributing to a COP,
- Contribute to a COP using map objects,
- Contribute to a COP using tabular information (COP Worksheet)
- Configure COP worksheet tool to fit specific purposes

## Qualification

NATO Certified NCOP Data Contributor User

## Student Criteria

The student must:

- Be assigned to a NATO or National HQ, fielded with NCOP.
- Have completed the NCOP User Course (711).

## Language Proficiency

In accordance with STANAG 6001: English SLP 2222

## Rank/Grade

NIC A3,NIC B6,OR7,OF4,OR4,OF5,OR2,NIC B4,OR3,OR5,OR1,NIC A4,NIC A6,OF2,OR9,OF1,OR6,OR8,OF3,NIC B5,NIC A2,CIV,NIC B3,OF6,NIC A5

## Special Instructions

This course can only be taught on NATO AIS, using existing NCOP infrastructure at location, primarily for NCS users

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

Review Learning Objectives from 0711 and

# NATO Cyber Defence Advisor

Course ID

A0730

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 15

Maximum Class Size: 25

Course Length (working days): 5

## Purpose of Course

The purpose of the course is to provide student with the high-level knowledge, skills and experience required for describing and evaluating the risks and threats of cyber space, improving cyber defence measures and providing advice to decision makers.

The student will be able to re-asses the risks and opportunities during the planning, preparation and execution of operations, elaborating operational risk and opportunities.

This course will provide the required knowledge and training for staff from NATO Headquarters, NATO Commands, NATO MoDs, and NATO Agencies.

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- CIS & Vulnerabilities (inside and outside NATO)
- Critical Infrastructure & Vulnerabilities (outside NATO but impacting NATO Mission)
- Cyber Threats and Mission Risks from CIS & Critical Infrastructure
- NATO CD & Policy
- NATO (Cyber) Intelligence and Mission Risks
- NATO Cyber Defence Legal issues and Risks
- NATO Cyber Defence Capabilities and Measures
- NATO Cyber Defence in Operations (Situational awareness, Assess, Advise)
- NATO Cyber Defence Advice (case study 1, case study 2)

## Qualification

NATO Cyber Defence Advisor

## Student Criteria

The student must:

- Be assigned or selected for assignment to a NATO HQ, or a NATO Agency, or a NATO Unit or earmarked for assignment to a NATO post.
- Be assigned to a post fulfilling the roles and responsibilities of Security Manager Staff or CIS Security (INFOSEC/COMPUSEC) Staff.
- Meet the Background Knowledge Prerequisites for this course.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OF6,NIC A5,NIC A3,NIC B6,OR7,OF4,OF5,NIC B4,NIC A4,NIC A6,OF2,OR9,OR6,OR8,OF3,NIC

B5,NIC A2,CIV,NIC B3

## Special Instructions

N/A

## Security Clearance

NATO SECRET (NS)

## Pre-Course Study Material

Student should be aware of the contents of the following policy documents:- Latest ACO Security Directive - AD 70-1.

## Background

Prerequisites:

- The student must have successfully completed either:
  - CIS Officers (NCISS ID 0101 or 0103) or
  - Fulfil all the Essential Prerequisites
- Essential Prerequisites:
- Basic knowledge of CIS networks within a NATO/National environment.
  - Familiarity with NATO/National security publications.

## Prerequisite Course

N/A

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

## Cyber Defence NATO COMPUSEC Level 1

Course ID

A0731

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 10

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

The purpose of the course is to provide student with the practical knowledge, skills and experience required to implement effectively NATO-s chosen computer and network security solutions at the Local Area Network (LAN) level so to be able to maintain the confidentiality, integrity and the availability of his/her site.

This course will provide the required knowledge and training for staff from NATO Headquarters, NATO Commands, NATO MoDs, and NATO Agencies appointed to implement, monitor and maintain NATO-s computer and network security solutions.

## Learning Objectives

Upon completion the course, the qualified student will be able to monitor and maintain NATO-s chosen computer network security solutions, including:

Hardening Windows Workstation and Server Operating Systems

Hardening Windows Applications

Hardening Virtual Environments

Application and Patch Management

Email Server Anti-Malware

Windows Workstation & Server Anti-Malware

Centralized Security Management

Data Loss Prevention

Please note that the course is 100% Practical.

The student will manage a virtualized complex and realistic network environment based on Windows 2012 R2 and Windows 7/8. Therefore, except the first day, the student will perform practical exercises during the daily working hours and will be required to do self-study on the provided handouts in the afterhours in the NCISS student quarter or Hotel.

-Please be aware that the course is rather intense and requires Advanced Enterprise System Administration Experience in a Microsoft Windows environment to succeed in the Final Practical Test that will last for 1.5 days-.

## Qualification

NATO COMPUSEC Practitioner Level 1

## Student Criteria

The student must:

- Be assigned or selected for assignment to a NATO HQ, or a NATO Agency, or a NATO Unit or earmarked for assignment to a NATO post.
- Be assigned to a post fulfilling the roles and responsibilities of System Administration Staff or CIS Security (INFOSEC/COMPUSEC) Staff.

- Be directly responsible for the implementation, technical management or monitoring of NATO-s chosen computer and network security solutions.

- Register for an account for the NATO UNCLASSIFIED Cyber Security Service Line information sharing portal. You will receive a username and password after your request has been approved. (<http://www.ncirc.nato.int/Account/Register>)

- Have met the Background Knowledge Prerequisites for this course

- Basic knowledge of TCP/IP networking;  
- Basic knowledge of Public Key Infrastructure (PKI).

Desirable Prerequisites:

- Extensive Enterprise System Administration Experience in a Microsoft Windows environment.

Prerequisites Courses:

- Deployable IS Foundation (NCISS ID 0961) or  
- FULFILL all the Essential Prerequisites

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OR4,OR7,OR3,OR5,OF2,OR6,OF3,Civilian Equivalent

## Special Instructions

- Please note that the course is 100% Practical. The student will manage a virtualized complex and realistic network environment based on Windows 2012 R2 and Windows 7/10. Therefore, except the first day, the student will perform practical exercises during the daily working hours and will be required to do self-study on the provided handouts in the afterhours in the NCISS student quarter or Hotel.

- Please be aware that the course is rather intense and requires Advanced Enterprise System Administration Experience in a Microsoft Windows environment to succeed in the Final Practical Test that will last for 1.5 days.

## Security Clearance

NATO SECRET (NS)

## Pre-Course Study Material

Student should be aware of the contents of the following policy documents:- Latest ACO Security Directive AD 70-1.- Microsoft Active Directory Organisational Units <https://technet.microsoft.co>

## Background

Essential Prerequisites:

- Basic Enterprise System Administration Experience in a Microsoft Windows environment (Active Directory OUs, Active Directory GPOs);

## Prerequisite Course

N/A

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)



## Cyber Defence NATO COMPUSEC Level 2

Course ID

A0732

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 10

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

The purpose of the course is to provide student with the practical knowledge, skills and experience required to implement effectively NATO-s chosen computer and network security solutions at the Local Area Network (LAN) level so to be able to maintain the confidentiality, integrity and the availability of his/her site.

This course will provide the required knowledge and training for staff from NATO Headquarters, NATO Commands, NATO MoDs, and NATO Agencies appointed to implement, monitor and maintain NATO-s computer and network security solutions.

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- Successfully implement, monitor and maintain NATO-s chosen computer network security solution
- Email Server Anti-Malware
- Windows Workstation & Server Anti-Malware
- Linux Server Anti-Malware
- Centralized Security Management
- Host Intrusion Prevention
- Data Loss Prevention

## Qualification

Certificate of Attendance

## Student Criteria

The student must:

- Be assigned or selected for assignment to a NATO HQ, or a NATO Agency, or a NATO Unit or earmarked for assignment to a NATO post.
- Be assigned to a post fulfilling the roles and responsibilities of System Administration Staff or CIS Security (INFOSEC/COMPUSEC) Staff.
- Be directly responsible for the implementation, technical management or monitoring of NATO-s chosen computer and network security solutions.
- Register for an account for the NATO UNCLASSIFIED Cyber Security Service Line information sharing portal. You will receive a username and password after your request has been approved. (<http://www.ncirc.nato.int/Account/Register>)
- Have met the Background Knowledge Prerequisites for this course

## Language Proficiency

In accordance with STANAG 6001: English SLP

3232

## Rank/Grade

OR4,OR7,OR3,OR5,OF1,OF2,OR6,OF3,Civilian Equivalent

## Special Instructions

- Please note that the course is 100% Practical. The student will manage a virtualized complex and realistic network environment based on Windows 2012 R2 and Windows 7/8. Therefore, except the first day, the student will perform practical exercises during the daily working hours and will be required to do self-study on the provided handouts in the afterhours in the NCISS student quarter or Hotel.
- Please be aware that the course is rather intense and requires Advanced Enterprise System Administration Experience in a Microsoft Windows environment to succeed in the Final Practical Test that will last for 1.5 days.

## Security Clearance

NATO SECRET (NS)

## Pre-Course Study Material

Student should be aware of the contents of the following policy documents:

- Latest ACO Security Directive - AD 70-1.
- Microsoft Active Directory Organisational Units <https://technet.microsoft.com/en-gb/magazine/2008.05.oudesign.aspx> <http://en.wikipedia>.

## Background

The student must have successfully completed either:

- Cyber Defence NATO COMPUSEC Level 1 (NCISS ID 0731) or
  - Deployable IS Foundation (NCISS ID 0961) or
  - LINC-E IS Administrator (NCISS ID 0901) or
  - DRAGONFLY IS Administrator (NCISS ID 0911) or
  - FULFILL all the Essential Prerequisites
- Essential Prerequisites:
- Advanced Enterprise System Administration Experience in a Microsoft Windows environment (Active Directory OUs, Active Directory GPOs);
  - Advanced knowledge of TCP/IP networking;
  - Basic knowledge of Public Key Infrastructure (PKI).

Desirable Prerequisites:

- Extensive Enterprise System Administration Experience in a Microsoft Windows

environment.

## Prerequisite Course

Cyber Defence NATO COMPUSEC Level 1

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

# Cyber Defence Operations & Planning

Course ID

A0735

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 10

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

The purpose of this course is to provide students with the high-level knowledge, skills and experience required to conduct Cyber Defence Ops in a static and deployable environment by defining the Cyber Attack Categories, Strategic Cyber Attack targets and Cyber Attack Mitigation Strategies.

The student will be able to re-asses the risks and opportunities during the planning, preparation and execution of operations, elaborating operational risk and opportunities.

This course will provide the required knowledge and training for staff from NATO Headquarters, NATO Commands, NATO MoDs, and NATO Agencies:

OR7,OR9,OF1,OR8,OF2,OR6,OF3,Civilian Equivalent

## Special Instructions

N/A

## Security Clearance

NATO SECRET (NS)

## Pre-Course Study Material

N/A

## Background

The student need background knowledge on Cyber Defence and/or Cyber Operations.

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

- Interpret the output report of a malware analysis tool.
- Interpret the Network Intrusion Analysis.
- Describe Data and Event analysis.
- Understand possible Cyber Attack Deterrence methodologies .
- Define Cyber Attack Categories and procedures to counter/ mitigate their effect applying the appropriate mitigation strategies.
- Classify intrusion events as defined in the diamond model of intrusion
- Apply practical testing and bring together sub elements to determine the indirect Influence of a Cyber Attack to establish a local integrated service.

## Prerequisite Course

N/A

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

## Qualification

Cyber Operation Planner

## Student Criteria

A student will be accepted on the course if they meet all of the following requirements:

1. Be assigned to a NCS or NFS HQ or unit where the relevant NATO DCIS Services will be employed on operations and / or exercises;
2. The Student requires to meet the Background Knowledge Prerequisites for this course.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

# CISCO Cybersecurity Fundamentals

Course ID

A0740

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

The course helps to prepare students for beginning and associate level roles in cybersecurity operations. The course focuses on security principles and technologies, using Cisco security products to provide hands-on examples. Using instructor-led discussions, extensive hands-on lab exercises, and supplemental materials, this course allows learners to understand common security concepts, and start to learn the basic security techniques used in a Security Operations Center (SOC) to find threats on a network using a variety of popular security tools within a real-life network infrastructure.

## Learning Objectives

### Course Objectives

Upon completion of this course, you will be able to:

Describe, compare and identify various network concepts

Fundamentals of TCP/IP

Describe and compare fundamental security concepts

Describe network applications and the security challenges

Understand basic cryptography principles

Understand endpoint attacks, including interpreting log data to identify events in Windows and Linux

Develop knowledge in security monitoring, including identifying sources and types of data and events

## Qualification

Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OR6, Civilian Equivalent, OR4, OR7, OR9, OF3, OR5, OF1, OR3, OR8, OF2

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

N/A

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## CISCO Cyber Security Operations

Course ID

A0741

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

This course allows learners to understand how a Security Operations Center (SOC) functions and the introductory-level skills and knowledge needed in this environment. It focuses on the introductory-level skills needed for a SOC Analyst at the associate level. Specifically, understanding basic threat analysis, event correlation, identifying malicious activity, and how to use a playbook for incident response.

N/A

## Background

N/A

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Learning Objectives

- Define a SOC and the various job roles in a SOC
- Understand SOC infrastructure tools and systems
- Learn basic incident analysis for a threat centric SOC
- Explore resources available to assist with an investigation
- Explain basic event correlation and normalization
- Describe common attack vectors
- Learn how to identifying malicious activity
- Understand the concept of a playbook
- Describe and explain an incident respond handbook
- Define types of SOC Metrics
- Understand SOC Workflow Management system and automation

## Qualification

Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OF2, OR6, Civilian Equivalent, OR4, OR7, OR9, OF3, OR5, OF1, OR3, OR8

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

# Information Security Management

Course ID

A0750

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

This course aims to present an approach to Information Security as a management process, using as main base the ISO / IEC 27001 standard. It starts by characterizing a simple Risk Analysis model adequate to support decision-making regarding the security controls required to mitigate security risks. Specific Security Controls to protect all security properties are also characterized. Finally, It will be discussed the issues of information security evaluation and monitoring, to measure and ensure efficiency of the security controls in a typical management cycle (PDCA).

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

- Describe the Information Security Management process based on the PDCA model, following ISO/IEC 27001 standard;
- Perform an information security risk assessment and produce security countermeasures to mitigate identified risks;
- Prepare policy, programs, and guidelines for Information Security Management implementation;
- Identify security requirements specific to an information technology (IT) system in all phases of the system lifecycle.

## Qualification

Information Security Officer

## Student Criteria

The student must be:

- Selected for an assignment to a NATO Cyber job;
- Has met the background knowledge prerequisites for this course;
- Has at least one year of retainability.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OF2,OF4,Civilian Equivalent,OF5,OF3

## Special Instructions

The students have to provide an appointment letter or equivalent from their unit commander, which states the date of (foreseen) appointment.

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

Student should be aware of the contents of the following policy documents:

- Latest ACO Directive
- Latest STANAG

## Background

Basic knowledge of Computer Systems and Network Systems.

Working Knowledge of the NCI Agency Directive 90-9, ACO SECURITY DIRECTIVE 070-001 and SECAN Doctrine and Information Publication 293/1.

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

# Software and Applications Security

Course ID

A0752

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

This course aims to develop the capabilities needed to identify vulnerabilities in computer applications and their impacts, to know and apply security testing methodologies and to adopt good coding practices for secure applications.

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

- Know the most common types of vulnerabilities in applications, with an emphasis on Cyber applications, and their potential impact;
- Understand and apply software security methodologies (Secure SDLC);
- Audit, from the point of view of security, computer applications in the different states of its development cycle;
- Adopt best software and application security practices;
- Actively participate in incident response groups.

## Qualification

Safe Software Developer

## Student Criteria

The student must be:

- Selected for an assignment to a NATO Cyber job;
- Has met the background knowledge prerequisites for this course;
- Has at least one year of retainability.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OR6,OF2,Civilian  
Equivalent,OR4,OR7,OR5,OF3,OR3

## Special Instructions

The students have to provide an appointment letter or equivalent from their unit commander, which states the date of (foreseen) appointment.

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

Student should be aware of the contents of the following policy documents:

- Latest ACO Directive
- Latest STANAG

## Background

Basic knowledge of Computer Systems and Network Systems.

Working Knowledge of the NCI Agency Directive 90-9, ACO SECURITY DIRECTIVE 070-001 and SECAN Doctrine and Information Publication 293/1.

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

# Digital Forensics

Course ID

A0753

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 8

Maximum Class Size: 16

Course Length (working days): 5

## Purpose of Course

The aim of this course comprises the theoretical knowledge of the methodologies and the techniques used in digital forensics and its practical execution in a professional perspective.

N/A

## Background

N/A

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

- Identify the different types of digital forensic evidence;
- Know the terminology, techniques and processes of a digital forensic investigation;
- Collect digital evidence from storage media;
- Know the limitations of digital forensics current techniques;
- Understand the scientific method and the need for its use;
- Apply the scientific method in a digital forensics investigation;
- Use digital forensics' tools and techniques;
- Comprehend forensic analysis reports.

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Qualification

Digital Forensics Analyst

## Student Criteria

The student must be:

- Selected for an assignment to a NATO Cyber job;
- Has met the background knowledge prerequisites for this course;
- Has at least one year of retainability.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OF3,OR3,OR6,OF2,Civilian  
Equivalent,OR4,OR7,OR5

## Special Instructions

The students have to provide an appointment letter or equivalent from their unit commander, which states the date of (foreseen) appointment.

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material



# Social Engineering

Course ID

A0754

Remote Participation available: yes

On Demand onsite delivery available: yes

Location: Oeiras (PRT)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

To master social Engineering techniques for discovery, Engineering trust to support organisational aims.

N/A

## Background

N/A

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

- Protect the organization from the human side of (in)security;
- Produce security policies and procedures, related to Telephone traffic, E-mail traffic and Internet searches, Employee behaviour and general safety level of installations;
- Produce crisis response procedures related to Social Engineering;
- Produce materials to promote employee awareness of how to respond to current crashes and future attacks on Social Engineering.

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Qualification

Social Engineer Practitioner

## Student Criteria

The student must be:

- Selected for an assignment to a NATO Cyber job;
- Has met the background knowledge prerequisites for this course;
- Has at least one year of retainability.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OF3,OR6,OF2,Civilian Equivalent,OR9,OR7,OR8

## Special Instructions

The students have to provide an appointment letter or equivalent from their unit commander, which states the date of (foreseen) appointment.

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

# Digital Crime and Investigation

Course ID

A0755

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

This curricular unit has the laboratory aim to apply the techniques, methodologies and tools associated to the forensic analysis of digital evidences in several practical scenarios, namely personal computers and mobile devices. Students will apply the knowledge gained by performing various practical assignments.

(foreseen) appointment.

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

- Collect data on storage media, data networks and volatile memory;
- Obtain digital evidence from different operating systems;
- Obtain digital evidence from data networks;
- Obtain digital evidence from mobile operating systems;
- Create and use hashsets;
- Create geolocation maps;
- Apply basic encryption data recovery techniques;
- Identify and contain malware;
- Correlate events from different media or devices;
- Create reports and report results of forensic analysis.

## Background

Advanced knowledge of Computer Systems and Network Systems.  
Working Knowledge of the NCI Agency Directive 90-9, ACO SECURITY DIRECTIVE 070-001 and SECAN Doctrine and Information Publication 293/1.

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Qualification

Digital Investigator

## Student Criteria

The student must be:

- Selected for an assignment to a NATO Cyber job;
- Has met the background knowledge prerequisites for this course;
- Has at least one year of retainability.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OF3,OF4,OF2,Civilian Equivalent

## Special Instructions

The students have to provide an appointment letter or equivalent from their unit commander, which states the date of

# Cyberspace and Cyber Operations Legal Framework

Course ID

A0756

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

The course aims to develop capabilities in the Law, in the area of cyberspace and cyber operations

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

- Understand the main legal framework applicable to cyberspace;
- Understand how the transnational nature of the cyberspace is dealt with by the law;
- Understand the main legal obligations impending over the different players acting in cyberspace;
- Understand civil liability in cyberspace;
- Understand the main legal framework applicable to cybercrime;
- Understand the attribution process under applicable law;
- Understand the main Public International Law applicable to cyberspace;
- Understand the admissible conducts of States under Public International Law.

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

Not applicable.

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Qualification

Cyberspace Legal Advisor

## Student Criteria

The student must be:

- Selected for an assignment to a NATO Cyber job;
- Has met the background knowledge prerequisites for this course;
- Has at least one year of retainability.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OF3,OF4,OF2,Civilian Equivalent

## Special Instructions

The students have to provide an appointment letter or equivalent from their unit commander, which states the date of (foreseen) appointment.

# Penetration Testing and Ethical Hacking

Course ID

A0757

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

The curricular unit of Penetration Tests and Ethical Hacking, provides a global knowledge about the methodologies and processes involved in a professional Penetration Test and a practical use approach to its technical implementation.

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

- Understand the various methodologies for penetration testing;
- Use the Linux Kali distribution in a simple way;
- Efficient use of information gathering tools and techniques on the Internet;
- Use simple tools and techniques to identify open services in computer systems;
- Efficiently use vulnerability identification tools and techniques;
- Simple use of exploit development environments;
- Efficient use of passwords attacking tools and techniques;
- Plan and perform professional penetration testing on computer systems.

## Qualification

Pen Tester and Ethical Hacker

## Student Criteria

The student must be:

- Selected for an assignment to a NATO Cyber job;
- Has met the background knowledge prerequisites for this course;
- Has at least one year of retainability.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OR7,OR5,OR3,OF3,OR6,OF2,OR4,Civilian Equivalent

## Special Instructions

The students have to provide an appointment letter or equivalent from their unit commander, which states the date of (foreseen) appointment.

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

N/A

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

# Cyber-Intelligence and Situational Awareness

Course ID

A0758

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

To provide a solid understanding of cyberspace, the available intelligence information within it and how to apply effective methodologies and techniques to further organisational objectives.

## Background

N/A

## Prerequisite Course

N/A

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

- The context of intelligence and its analysis;
- The main activities and responsibilities of those who deal with intelligence;
- The main competencies of those involved in/ with intelligence information;
- The main methodologies for obtaining information in cyber-space;
- The main techniques of analysis of intelligence data.

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Qualification

Cyber Intell Analyst

## Student Criteria

The student must be:

- Selected for an assignment to a NATO Cyber job;
- Has met the background knowledge prerequisites for this course;
- Has at least one year of retainability.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OR8,OR7,OF3,OR6,OF2,OR9,Civilian Equivalent

## Special Instructions

The students have to provide an appointment letter or equivalent from their unit commander, which states the date of (foreseen) appointment.

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

Course Modules are available on NCI Agency CSSL NSWAN SharePoint.

# Protection of Critical Infrastructures and Systems

Course ID

A0759

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

A solid training in cybersecurity and particularly in issues related to critical infrastructure protection, draws on knowledge of paradigms and architectures typical of industrial automation and control systems, knowledge of models and techniques for protection of these systems, and knowledge on the application of these techniques and on tools used to conduct and protect infrastructure infrastructures.

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

Course Modules are available on NCI Agency CSSL NSWAN SharePoint.

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

- Identify and characterize a critical infrastructure, namely considering industrial automation and control infrastructures;
- Characterize the various architectures, components and protocols used in industrial automation and control;
- Analyze a critical infrastructure and identify its main security problems;
- Characterize the main frameworks for critical infrastructure protection and associated methodologies."

## Background

Basic knowledge of Computer Systems and Network Systems.

Working Knowledge of the NCI Agency Directive 90-9, ACO SECURITY DIRECTIVE 070-001 and SECAN Doctrine and Information Publication 293/1.

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Qualification

Critical Infrastructure and Systems  
Cybersecurity Advisor

## Student Criteria

The student must be:

- Selected for an assignment to a NATO Cyber job;
- Has met the background knowledge prerequisites for this course;
- Has at least one year of retainability.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OF2,Civilian Equivalent,OF3,OF5,OF4

## Special Instructions

The students have to provide an appointment letter or equivalent from their unit commander, which states the date of (foreseen) appointment.

# Cybersecurity and Cyberdefense capability Development

Course ID

A0760

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

This unit aims to contribute to the development of a common vision and a deeper knowledge of the process of developing Cybersecurity and Cyberdefense Capabilities, both nationally and internationally.

In this context, in order to promote an integrated approach, the various framework vectors of a capacity (DOTMLPFI) and the different methodologies, associated with the capacity development processes, already existing at the level of the North Atlantic Treaty organization (NATO) and of the European Union (EU). Merging between organizational efforts and national and international cybersecurity and cyber-defense capacity building processes is intended to contribute to the creation of a common vision and interoperability between them.

- Has at least one year of retainability.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OF2,Civilian Equivalent,OF3,OF5,OF4

## Special Instructions

The students have to provide an appointment letter or equivalent from their unit commander, which states the date of (foreseen) appointment.

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

- To characterize the fundamentals and the framework of the process of development of the National Security and Defense Capacities;
- Identify the structuring concepts and principles of capacity development and carry out a critical analysis of its application to the context of Cybersecurity and Cyberdefense;
- Characterize the structuring elements of a Capacity Development Plan (organizational, national and international);
- Identify the principles associated with Risk Management and apply them to the Management of Capabilities Gaps;
- Analyze and recognize the implications of the implementation of the Capacity Development Plan at the various levels (Strategic, Operational, Tactical and Technical);
- Apply best practices and methodologies for capacity development in the area of Cybersecurity and Cyberdefense;
- Advise a primary stakeholder and propose a direction to follow regarding the development of Cybersecurity and Cyber-Defense Capabilities.

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

N/A

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Qualification

Cyber Capability Planner

## Student Criteria

The student must be:

- Selected for an assignment to a NATO Cyber job;
- Has met the background knowledge prerequisites for this course;



# Cyberspace Crisis Management Exercises and Scenarios Development

Course ID

A0761

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

This course aims to teach students how to develop scenarios, plan exercises and promote their execution according to the EU-NATO Crisis Management Exercises framework

(foreseen) appointment.

## Security Clearance

NATO UNCLASSIFIED (NU)

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

- To assess the political and strategic implications of Cyberspace and to analyze its impact in the political, economic and military scopes;
- Identify the principles associated with the planning of the EU-NATO Crisis Management Exercises and in the area of Cyberdefense;
- Analyze methodologies for assessing threats, vulnerabilities and risks;
- Apply the knowledge acquired during the unit Information Warfare;
- Develop Scenarios to Support Crisis Management in Cyberspace;
- Identify cybersecurity and cyber-defense initiatives that reduce the impact of cyber attacks and facilitate crisis management in cyberspace;
- Mitigate its consequences and reduce the likelihood of them occurring again;
- Planning and executing Crisis Exercises in Cyberspace.

## Pre-Course Study Material

N/A

## Background

N/A

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Qualification

Cyber Exercise Planner

## Student Criteria

The student must be:

- Selected for an assignment to a NATO Cyber job;
- Has met the background knowledge prerequisites for this course;
- Has at least one year of retainability.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

Civilian Equivalent, OF3, OF5, OF4, OF2

## Special Instructions

The students have to provide an appointment letter or equivalent from their unit commander, which states the date of

# Risk and Incident Management

Course ID

A0762

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

This unit provides the student with the skills to effectively carry out risk and cybersecurity incidents management

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

- The most current models, methodologies and practices in the area of the Incident and Risk Management and its application;
- Decision-making in the field of investments in cybersecurity and in the scope of system architectures in organizations;
- Construction and management of contingency plans for security, emergency, contingency, disaster recovery and the its framework for the business continuity of organizations;
- Creation and preparation of teams and development of processes to respond to security incidents of various types. organizational Resilience and Crisis Management.

## Background

N/A

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Qualification

Cyber Risk Advisor

## Student Criteria

The student must be:

- Selected for an assignment to a NATO Cyber job;
- Has met the background knowledge prerequisites for this course;
- Has at least one year of retainability.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

Civilian Equivalent, OF3, OF5, OF4, OF2

## Special Instructions

The students have to provide an appointment letter or equivalent from their unit commander, which states the date of (foreseen) appointment.

## Security Clearance

# Information Warfare

Course ID

A0763

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

This Course aims to develop the capabilities needed to conduct a critical analysis of the competitive use of Information. Discuss and establish relationships between a number of terms such as Information warfare and information operations, effect based operations and network centric operations, Economic Warfare and competitive and economic intelligence. Lastly to discuss National Information Strategy composition and its relationship with Cyberdefense and Cybersecurity.

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

- Differentiate Competition and Conflict in the Information Domain;
- Relating Geopolitics of Cyberspace with the National Information Strategy (NIE);
- Recognize the economic area as the center of modern conflict, where the military plays a secondary position in the resolution of conflicts;
- Relate Competitive Intelligence and Economic Intelligence with Economic Warfare;
- Define operational planning and explain how this applies to Information Warfare;
- Recognize examples of Effect-Based Operations (EBO's);
- Explain the Role of Network-centric Operations in Conducting EBO's;
- Explain the role of Information Operations in the conduct of the Information Warfare;
- Define National Information Policy and Strategy (NIE);
- Characterize the various components of NIE;
- Distinguish Cybersecurity from Cyberdefense and its relationship with NIE.

## Qualification

Information Warfare Advisor

## Student Criteria

The student must be:

- Selected for an assignment to a NATO Cyber job;
- Has met the background knowledge prerequisites for this course;
- Has at least one year of retainability.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OR8,OR7,OF3,OR6,OF2,OR9,Civilian Equivalent

## Special Instructions

The students have to provide an appointment letter or equivalent from their unit commander, which states the date of (foreseen) appointment.

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

N/A

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

# Digital Leadership and Team Management

Course ID

A0765

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

In general, the aim is to develop the following skills and knowledge:

- (1) A strategic approach to change and leadership;
- (2) To develop a collaborative working environment at a macro-level;
- (3) To develop collaborative abilities, attributes and attitudes at a team management as well as at an individual level;
- (4) Collaborative leadership skills for cyberspace management.

Also to:

Critically analyse and understand individual/group behaviour in organizations - from the point of view of human sciences and experiences of managers and leaders in different scenarios. Develop collaborative competencies, at different levels of management, supporting collaboration internally or with critical partners.

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

- Understanding the evolution of leadership and management in cyberspace environment;
- Developing skills to lead and manage groups vs teams in cyberspace environment;
- Develop skills to solve problems and make decisions in virtual team;
- Communicate effectively in cyberspace environment;
- To inspire, encourage and motivate virtual teams;
- Managing conflict and organizational stress in virtual teams.

## Qualification

Cyber Leader

## Student Criteria

The student must be:

- Selected for an assignment to a NATO Cyber job;
- Has met the background knowledge prerequisites for this course;
- Has at least one year of retainability.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OF3,OF5,OF4,OF2,Civilian Equivalent

## Special Instructions

The students have to provide an appointment letter or equivalent from their unit commander, which states the date of (foreseen) appointment.

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

Course Modules are available on NCI Agency CSSL NSWAN SharePoint.

## Background

N/A

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

# NRF DCIS Deployment Training

Course ID

A0840

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Mobile Training Team

Minimum Class Size: 5

Maximum Class Size: 8

Course Length (working days): 3

## Purpose of Course

The purpose of the course is to give NATO Deployable CIS (DCIS) NRF DCIS (commonly referred to as Dragonfly) Operators confidence in safely installing and setting up the capability components to support the required DCIS Services. Operators will integrate CIS and non-CIS components required. Students will apply select Health, Environment and Safety (HE&S) knowledge and skills for this capability. The course includes an introduction to the capability components as it is installed.

Training will enable students working at Operations and Maintenance (O&M) Levels 1. Tasks include unloading, unpacking, mechanical and electrical installation, power up and tests. Students will also conduct a controlled shutdown and tear down and repack. This course will not cover operator level training on the Tent or Communication, Core Enterprise Services (CES) or other supported Services- systems or end-user devices, but include setup and interconnection aspects. Practical exercises will include selected supporting non-CIS (excluding driver or operator training for components such as trucks, generators, forklifts etc.).

This course is a Deployment Training category course, that should be taken after pre-requisites Foundation, and to be taken before NRF DCIS System category courses, as specified in the ANNEX of the Catalogue / Attachment in STUDABA.

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- Describe the context of NATO Services in DCIS, and how this capability / system fits within this structure, together with transportation options;
- Describe and apply capability-related Health, Environment and Safety (HE&S) regulations and procedures;
- Describe the technical elements of this capability / system and relate components as deployable package for operational use;
- Describe and safely complete tasks for loading and unloading the capability using available tools (such as portable cranes, trolleys, handling bars);
- Investigate and illustrate the assembled tent (based on training by the manufacturer);
- Safely Apply skills required to set up and power on air conditioning systems and filters;
- Describe and safely apply positioning of Transit cases within the tents as well as outside (e.g. the Point-to-Point Antennae or, Public Address system) in the prescribed sequence;
- Describe and safely apply the proper

sequence to power up the CIS components;

- Apply practical testing and bring together sub elements of this capability / system overall functionality;
- Describe and safely apply the proper sequence to shut down the CIS components;
- Tear down and re-package the capability.

## Qualification

NRF DCIS Component Operator

## Student Criteria

The student must:

- Be assigned to a NCS or NFS HQ or unit where the relevant NATO DCIS Services will be employed on operations and / or exercises;
- Have met the Background Knowledge Prerequisites for this course.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

NIC B3,NIC A3,NIC B6,OR2,OR4,NIC B4,OR1, OR7,OR3,OR5,OR9,OF1,OR8,NIC B5,OF2,NIC A2,OR6,CIV

## Special Instructions

Requesting units must ensure availability and functionality of all components required for conducting this Mobile Training Team (MTT) training. The training provider or instructor will not deliver a training system, but depend on the unit's components being available. Qualified drivers and operators for non-CIS such as trucks, generators, or forklifts must be made available by the unit.

Students not meeting the assignment and background knowledge criteria may attend ONLY with the explicit recommendation of the NCI Agency Network Services and Infrastructure (NSII) DCIS Service Delivery Manager, provided they have met the security clearance requirement.

Training Coordinators need to ensure students complete the Pre-course Study Material specified and shall coordinate with their E&T Customer representative for scheduling. A local POC shall be provided for coordinating details with the instructor.

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

Units and students must be familiar with structure, functionality and safety procedures for components not covered by this course (e.g. local / National safety requirements, supporting systems composition such as that for trucks, power, air-conditioning etc.)

## Background

Essential Pre-requisites:

Required driver or component operator training (e.g. driver, generator operator) not covered by this course AND. Successful completion of pre-requisite courses AND Be assigned to a DCIS environment AND Have completed the pre-reading material specified.

Desirable Pre-requisites:

Students would benefit completing NCISS C4ISR Orientation Course for Officers (NCISS Course 0101) or NCO (NCISS Course 0103) that explain the wider NATO CIS Environment.

## Prerequisite Course

N/A

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

# IMCD Operator

Course ID

A0850

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Mobile Training Team

Minimum Class Size: 5

Maximum Class Size: 8

Course Length (working days): 3

## Purpose of Course

The Mobile Training Team (MTT) course is designed to give certified NATO Deployable CIS (DCIS) CALI Operators confidence in safely and securely operating and maintaining the In-Theatre Mobile CIS Detachment (IMCD) to support the required DCIS Communications Services and Core Enterprise Services (CES). Operators will integrate Wired Local and Wide Area Transmission Services and integrate Wireless Transmission Services as required by the unit. Students will also apply select CIS Security aspects within the NATO Consultation, Command and Control (C3) Taxonomy in federated mission networks.

Training will enable students working at Operations and Maintenance (O&M) Levels 1 and 2. Successful students may request operator-level Service Management and Control (SMC) privileges on NATO networks. This course will not cover Wireless Transmission systems or end-user devices, but include interconnection aspects. Practical exercises will include selected supporting non-CIS (excluding driver or generator operator training). The Communications Gateway Shelter (CGS), Afloat Command Platform (ACP), In-Theatre Mobile CIS Detachment and the Limited Interim NRF Capability - Enhanced (LINC-E); therefore this course is a specialization for certified CALI Operators.

This course is a Deployment and Systems category course, that must be taken after pre-requisites System category courses, as specified in the ANNEX of the Catalogue / Attachment in STUDABA.

## Learning Objectives

Given the specified pre-requisites, upon completion of the course, the qualified student will be able to:

- Describe the context of NATO Services in DCIS, and how this capability / system fits within this structure.
- Describe and apply capability-related Health, Environment and Safety (HE&S) regulations and procedures.
- Describe the context of Federated Mission Networking (FMN), and how DCIS and this capability / system fits within this structure.
- Describe the technical elements of this capability / system and relate his or her technology experience to NATO CES, Communication, CIS Security, and Transmission Services.
- Describe and complete tasks with the selected supporting non-CIS equipment for this capability / system.
- Describe NATO SMC procedures and tools and their relevance to this capability / system and DCIS in federated networks.
- Investigate and illustrate configurations and Transmission Service integration for this

capability / system.

- Analyse and determine issues with this capability / system, CES, Communication Service components such as routers and switches; conduct troubleshooting tasks.
- Describe the CES, to include Unified Communications and Collaboration supporting solution and how it interfaces to the NATO network; Configure devices supporting this collaboration.
- Define and configure devices using processes required to establish multimedia CES Unified Communications and Collaboration (e.g. Voice or Video Teleconferencing) within this capability / system environment.
- Apply practical testing and bring together sub elements of this capability / system (Transmission Services, Communication Services and select CES) to establish local integrated services.

## Qualification

IMCD Operator

## Student Criteria

A student will be accepted on the course if they meet all of the following requirements:

1. Be assigned to a NCS or NFS HQ or unit where the relevant NATO DCIS Services will be employed on operations and / or exercises;
2. The Student shall meet the Background Knowledge Prerequisites for this course.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

NIC B3,NIC A3,NIC B6,OR2,OR4,NIC B4,OR1,OR7,OR3,OR5,OR9,OF1,OR8,NIC B5,OF2,NIC A2,OR6,CIV

## Special Instructions

Requesting units must ensure availability and functionality of all components required for conducting this Mobile Training Team (MTT) training, to include Transmission Services. The training provider or instructor will not deliver a training system, but depend on the unit's components being available. Qualified drivers and operators for non-CIS such as trucks, generators, or forklifts must be made available by the unit.

Students not meeting the assignment and background knowledge criteria may attend ONLY with the explicit recommendation of the NCI Agency Network Services and Infrastructure (NSII) DCIS Service Delivery Manager, provided they have met the security clearance requirement.

Training Coordinators need to ensure students complete the Pre-course Study Material specified and shall coordinate with their E&T Customer representative for scheduling. A local POC shall be provided for coordinating details with the instructor.

This course is Deployment and System Training category training and should be considered after the pre-requisites and before the Special category specified.

## Security Clearance

NATO SECRET (NS)

## Pre-Course Study Material

Units and students must be familiar with structure, functionality and safety procedures for components not covered by this course (e.g. local / National safety requirements, supporting systems composition such as that for trucks, power, air-conditioning etc.)

## Background

Essential Pre-requisites:  
Required driver or component operator training (e.g. driver, generator operator) not covered by this course. AND  
Successful completion of pre-requisite courses AND  
Be assigned to a DCIS environment AND  
Have completed the pre-reading material specified.

## Prerequisite Course

CALI IS Administrator,CALI ComS Operator,NATO CALI DSGT Operator,DCIS CES Voice Technician

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)



# NRF Major PoP Technology Uplift

Course ID

A0859

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Mobile Training Team

Minimum Class Size: 5

Maximum Class Size: 8

Course Length (working days): 5

## Purpose of Course

The purpose of the course is to give certified NATO Deployable CIS (DCIS) CALI and NRF DCIS Operators confidence in safely and securely operating and maintaining Major NRF PoP (such as -Dragonfly- or CGS) following technology uplifts or changes. Operators will apply procedures and skills related to the technology change. Students will apply related select CIS Security aspects within the NATO Consultation, Command and Control (C3) Taxonomy in federated mission networks. This course will be conducted only after major technology changes based on FMN Spiral, NRF Baseline, or obsolescence driven uplifts. Training will enable students to continue working at Operations and Maintenance (O&M) Levels 1 and 2. Successful students may extend operator-level Service Management and Control (SMC) privileges on NATO networks. This course will not cover Wireless Transmission systems or end-user devices, but include interconnection aspects. Practical exercises will include selected supporting non-CIS only if those are affected by the uplift. Operators for Minor PoP (such as ACP, LINC-E, IMCD) will require course 0858. For both, please do consider the pre-requisites. This course is Deployment and System Training category training. It may be scheduled outside the regular training request procedures.

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- Describe the changed context of NATO Services in DCIS, and how these capabilities / systems now fit within this structure;
- Describe and apply affected capability-related Health, Environment and Safety (HE&S) regulations and procedures;
- Describe the changed context of Federated Mission Networking (FMN), and how DCIS and how these capabilities / systems within this structure;
- Describe the changed technical elements of this capability / system and relate his or her technology experience to new or modified NATO CES, Communication and Transmission Services;
- Describe and complete tasks with the selected supporting non-CIS equipment for these capabilities / systems where affected by the change;
- Describe changed NATO SMC procedures and tools and their relevance to these capabilities / systems and DCIS in federated networks;
- Investigate and illustrate modified configurations or relations to Transmission Service integration for this capability / system;
- Analyse and determine new or removed issues with the capability / system, CES,

Communication Service components such as routers and switches; conduct new troubleshooting tasks;

- Describe the changes to CES, to include Unified Communications and Collaboration supporting solution and how interfaces to the NATO network changed; Configure any new types of devices supporting this collaboration;
- Define and configure changed or new devices using updated processes required to establish multimedia CES Unified Communications and Collaboration (e.g. Voice and Video Teleconferencing) within this capability / system environment;
- Apply practical testing and bring together sub elements of this capability / system (Transmission Services, Communication Services and select CES) to establish a local integrated Service.

## Qualification

CALI Operator (CGS)

## Student Criteria

The student must:

- Be assigned to a NCS or NFS HQ or unit where the relevant NATO DCIS Services will be employed on operations and / or exercises;
- Have met the Background Knowledge Prerequisites for this course.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV,NIC B3,NIC A3,NIC B6,OR2,OR4,NIC B4,OR1,OR7,OR3,OR5,OR9,OF1,OR8,NIC B5,OF3,OF2,NIC A2,OR6

## Special Instructions

N/A

## Security Clearance

NATO SECRET (NS)

## Pre-Course Study Material

N/A

## Background

N/A

## Prerequisite Course

CALI IS Administrator,CALI ComS Operator,NRF DCIS (Dragonfly) IS System and Service Desk,NRF DCIS (Dragonfly) ComS Operator

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)



# Afloat Command Platform (ACP)

Course ID

A0870

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Mobile Training Team

Minimum Class Size: 5

Maximum Class Size: 8

Course Length (working days): 3

## Purpose of Course

Disclaimer: This course description is under development with the Office of Primary Responsibility (OPR).

The Mobile Training Team (MTT) course is designed to give certified NATO Deployable CIS (DCIS) CALI Operators confidence in safely and securely operating and maintaining the Afloat Command Platform (ACP) to support the required DCIS Communications Services and Core Enterprise Services (CES). Operators will integrate Wired Local and Wide Area Transmission Services and integrate Wireless Transmission Services as required by the unit. Students will also apply select CIS Security aspects within the NATO Consultation, Command and Control (C3) Taxonomy in federated mission networks.

Training will enable students working at Operations and Maintenance (O&M) Levels 1 and 2. Successful students may request operator-level Service Management and Control (SMC) privileges on NATO networks. This course will not cover Wireless Transmission systems or end-user devices, but include interconnection aspects. Practical exercises will include selected supporting non-CIS (excluding driver or generator operator training). The Communications Gateway Shelter (CGS), Afloat Command Platform (ACP), ISAF Mobile CIS Detachment and the Limited Interim NRF Capability - Enhanced (LINC-E); therefore this course is a specialization for certified CALI Operators. This course is a Deployment and Systems category course, that must be taken after pre-requisites System category courses, as specified.

## Learning Objectives

Given the specified pre-requisites, upon completion of the course, the qualified student will be able to:

Describe the context of NATO Services in DCIS, and how this capability / system fits within this structure.

Describe and apply capability-related Health, Environment and Safety (HE&S) regulations and procedures.

Describe the context of Federated Mission Networking (FMN), and how DCIS and this capability / system fits within this structure.

Describe the technical elements of this capability / system and relate his or her technology experience to NATO CES, Communication, CIS Security, and Transmission Services.

Describe and complete tasks with the selected supporting non-CIS equipment for this capability / system.

Describe NATO SMC procedures and tools and their relevance to this capability / system and DCIS in federated networks.

Investigate and illustrate configurations and Transmission Service integration for this

capability / system.

Analyse and determine issues with this capability / system, CES, Communication Service components such as routers and switches; conduct troubleshooting tasks. Describe the CES, to include Unified Communications and Collaboration supporting solution and how it interfaces to the NATO network; Configure devices supporting this collaboration.

Define and configure devices using processes required to establish multimedia CES Unified Communications and Collaboration (e.g. Voice or Video Teleconferencing) within this capability / system environment.

Apply practical testing and bring together sub elements of this capability / system (Transmission Services, Communication Services and select CES) to establish local integrated services.

## Qualification

ACP Operator

## Student Criteria

A student will be accepted on the course if they meet all of the following requirements:

1. Be assigned to a NCS or NFS HQ or unit where the relevant NATO DCIS Services will be employed on operations and / or exercises;
2. The Student shall meet the Background Knowledge Prerequisites for this course.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OR6,CIV,NIC B3,NIC A3,NIC B6,OR2,OR4,NIC B4,OR1,OR7,OR3,OR5,OR9,OF1,OR8,NIC B5,OF2,NIC A2

## Special Instructions

Requesting units must ensure availability and functionality of all components required for conducting this Mobile Training Team (MTT) training, to include Transmission Services. The training provider or instructor will not deliver a training system, but depend on the unit's components being available. Qualified drivers and operators for non-CIS such as trucks, generators, or forklifts must be made available by the unit.

Students not meeting the assignment and background knowledge criteria may attend ONLY with the explicit recommendation of the NCI Agency Network Services and Infrastructure (NSII) DCIS Service Delivery Manager, provided they have met the security clearance requirement.

Training Coordinators need to ensure students complete the Pre-course Study Material specified and shall coordinate with their E&T Customer representative for scheduling. A local POC shall be provided for coordinating details with the instructor.

This course is Deployment and System Training category training and should be considered after the pre-requisites and before the Special category specified.

## Security Clearance

NATO SECRET (NS)

## Pre-Course Study Material

Units and students must be familiar with structure, functionality and safety procedures for components not covered by this course (e.g. the ship's safety requirements, systems or structure, power, air-conditioning etc.)

## Background

Essential Pre-requisites:  
Required driver or component operator training (e.g. driver, generator operator) not covered by this course. AND  
Successful completion of pre-requisite courses AND

Be assigned to a DCIS environment AND  
Have completed the pre-reading material specified.

Desirable Prerequisites:  
0923 Deployable CIS Security Foundation

## Prerequisite Course

CALI IS Administrator,CALI ComS Operator,NATO CALI DSGT Operator,DCIS CES Voice Technician

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

# CALI IS Administrator

Course ID

A0901

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 4

Maximum Class Size: 6

Course Length (working days): 10

## Purpose of Course

The purpose of the course is to give NATO Deployable CIS (DCIS) Administrators confidence in securely administering and maintaining the Core Enterprise Services (CES) element within NATO DCIS Medium PoPs (CGS, ACP, LINC-E LTE and IMCD).

Operators will learn to securely and efficiently administer the IS component of a NATO DCIS Medium PoP.

Trained student are enabled to request proper operator-level Service Management and Control (SMC) privileges on NATO networks to allow them to work at Operations and Maintenance (O&M) Levels 1 and 2.

This course is a System category course and has been considered after the pre-requisites.

background knowledge criteria may attend ONLY with the explicit recommendation of the NCI Agency Network Services and IT Infrastructure (NS & II) Service Line DCIS Service Operations Manager, provided they have met the security clearance requirement.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

NIC B5,OF2,NIC A2,OR6,CIV,NIC B3,NIC A3,NIC B6,OR2,OR4,NIC B4,OR1,OR7,OR3,OR5,OR9,OF 1,OF3,OR8

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- Describe the context of NATO Core Enterprise Services (CES) in DCIS, and how DCIS CALI capabilities - Describe the context of Federated Mission Networking (FMN), and how DCIS and DCIS CALI capabilities fit within this structure.
- Describe the IS technical components of DCIS CALI capabilities.
- Demonstrate and apply the techniques for administration of CES to support the DCIS infrastructure.
- Describe the NATO DCIS adopted virtualisation solution within the DCIS CES environment.
- Apply practical testing, bringing together the three sub elements of this capability / system (Transmission Services, Communication Services and select CES) to integrate all, establishing services from this capability to the Operations Gateway and between two systems.

## Special Instructions

N/A

## Security Clearance

NATO SECRET (NS)

## Pre-Course Study Material

N/A

## Background

- Successfully completed the NCISS Course 0961.
- Networking Basics.

## Prerequisite Course

NATO Deployable IS Administrator

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

## Qualification

CALI IS Administrator

## Student Criteria

The student must have:

- 1.Successfully completed the NCISS Course 0961
  - 2.Been assigned to a NATO or National Post where the relevant NATO DCIS Services will be employed.
- Students not meeting the assignment and

# CALI ComS Operator

Course ID

A0902

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Oeiras (PRT)

Minimum Class Size: 4

Maximum Class Size: 6

Course Length (working days): 10

## Purpose of Course

Disclaimer: This course description is being revised with the Course OPR.

This course is designed to give NATO Deployable CIS (DCIS) Operators confidence in securely operating and maintaining the DCIS Communications Gateway Shelter (CGS), Afloat Command Platform (ACP), Limited Interim NRF Capability Enhanced (LINC-E) and ISAF Mobile CIS Detachment (IMCD) or CALI to support Communications Services (ComS) supported by DCIS. Operators will learn to integrate Wired Local and Wide Area Transmission Services and how it integrates with Wireless Transmission Services. To securely and efficiently operate the system, students will apply select CIS Security Service aspects within the NATO Consultation, Command and Control (C3) Taxonomy in federated mission networks.

Training will enable students working at Operations and Maintenance (O&M) Levels 1 and 2. Successful students may request operator-level Service Management and Control (SMC) privileges on NATO networks.

This is the Communications Services element of the CALI System Level courses; it is conducted in conjunction with the Core Enterprise Services (CES) element (Course No 0901), and the Transmission Services element (Course No 0903) to support Crew Training.

Training is conducted on LINC-E training systems. Operators of CGS, ACP or IMCD must complete follow-on MTT courses 0855, 0870 or 0850, respectively for safe handling of those capabilities. This course is a System category course and to be taken after the pre-requisites and before the Special category as specified in the ANNEX of the Catalogue / Attachment in STUDABA.

## Learning Objectives

Given the pre-requisites see paragraph 19 upon completion of the course, the student is prepared for further DCIS Courses (see qualification) and will be able to:

- Describe the context of NATO Services in DCIS, and how these capabilities / systems fits within this structure.
- Describe the context of Federated Mission Networking (FMN), and how DCIS capabilities / systems fit within this structure.
- Describe the technical elements of this capability / system and relate his or her networking technology experience to NATO Communication and Transmission Services.
- Describe NATO SMC procedures and tools and their relevance to this capability / system and DCIS in federated networks.
- Demonstrate the use of select NATO SMC tools at Operator Level.
- Define the concept of converged Communications Access and Communication Transport Services on networks, security

domains and NATO security (hardening).

- Investigate and illustrate this capability / systems configurations and Transmission Service integration.
- Analyse and determine issues with this capability / system Communication Service components like routers and switches. Describe the CES Unified Communications and Collaboration supporting solution and how it interfaces to the NATO network; Configure end devices supporting this collaboration.
- Define the protocols and configuration techniques required to establish a multimedia CES Unified Communications and Collaboration (e.g. Video Teleconferencing) within the environment of this capability / system.
- Describe select the features of more advanced Packet-Based Transport Services (e.g. Tunnelling and Quality of Service - QoS) within this capability / system and broader DCIS environment.
- Apply practical testing, bringing together the three sub elements of this capability / system (Transmission Services, Communication Services and select CES) to integrate all, establishing services from this capability / system to the Operations Gateway and between two systems.

## Qualification

DCIS CALI ComS Operator

## Student Criteria

A student will be accepted on the course if they meet all of the following requirements:

1. Be assigned to a NCS or NFS HQ or unit where the relevant NATO DCIS Services will be employed on operations and / or exercises;
2. The Student shall meet the Background Knowledge Prerequisites for this course.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OR8,OF1,NIC B5,OF2,NIC A2,OR6,CIV,NIC B3,NIC A3,NIC B6,OR2,OR4,NIC B4,OR1,OR7,OR3,OR5,OR9

## Special Instructions

Students must provide proof of security clearance upon registration! Students not

meeting the assignment and background knowledge criteria may attend ONLY with the explicit recommendation of the NCI Agency Network Services and IT Infrastructure (NS & II) Service Line DCIS Service Delivery Manager, provided they have met the security clearance requirement.

## Security Clearance

NATO SECRET (NS)

## Pre-Course Study Material

N/A

## Background

Desirable Prerequisites:

The student should have completed a LINC-E Deployment Training at their unit location, to include safe handling of equipment (e.g. as On-the-Job Training) on this capability / system before attending this course.

## Prerequisite Course

NATO Voice over IP Foundation, NATO Networking Infrastructure (CCNA R&S), CCENT (ICND1) On-Line, CES Collaboration Services Engineering, DCIS ComS Foundation (Practical & Testing), Interconnecting Cisco Networking Devices (ICND 1 & 2)

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

# NATO CALI DSGT Operator

Course ID

A0903

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 4

Maximum Class Size: 8

Course Length (working days): 10

## Purpose of Course

To provide military and civilian personnel with knowledge and skills to

- Install and operate a Deployable Satellite Ground Terminal (DSGT) as a standalone SATCOM terminal;
- Integrate the DSGT with the CGS, AGS, LINC-E, and IMCD (CALI) Systems;
- Perform limited preventive maintenance on the DSGT. Repair actions are limited to the replacement of the Lowest Replaceable Unit (LRU) sub-assembly.

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

- Properly deploy, teardown, and operate the NATO CALI DSGT X-Band system
- Perform basic preventative maintenance (Level I) on the NATO CALI DSGT X-Band system in order to maintain equipment in satisfactory operating condition.
- Integrate the NATO CALI DSGT X-Band system with the main CALI System and perform basic link quality tests.

## Qualification

NATO CALI DSGT Operator

## Student Criteria

1. Been assigned to a NATO or National Signal Establishment with the role of technician or operator,
2. Has met the Background Knowledge Prerequisites (Student has to complete the SATCOM basics (ID 601) course at <https://jatl.act.nato.int/> There will be an Exam on arrival questions are taken from the above on-line training).
3. Has successfully completed a national military or civilian course on basic electronics.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OF3,OR9,OF1,OR8,OF6,NIC A5,NIC B5,OF2,NIC A2,OR6,OF4,OF5,CIV,NIC B3,NIC A3,NIC A4,NIC A6,NIC B6,OR2,OR4,NIC B4,OR1,OR7,OR3,OR5

## Special Instructions

Homework and self-study will be requested to the students. Internet access will be granted since SATCOM Basic and other study material are online.

## Security Clearance

NATO SECRET (NS)

## Pre-Course Study Material

Student has to complete the SATCOM basics (ID 601) course at <https://jatl.act.nato.int/> There will be an Exam on arrival questions are taken from the above on-line training.

## Background

Basics understanding of Mathematics (Simple algebraic equations, exponents and logarithms, Decibel notation), Electronics (Basic components, Telecommunications principles (RF, multiplexing, modulation, error detecting and correction techniques), reading and interpreting electronic/electrical diagrams, and test equipment usage.

## Prerequisite Course

SATCOM Basic (ADL)

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

# NRF DCIS (Dragonfly) IS System and Service Desk

Course ID

A0910

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 4

Maximum Class Size: 6

Course Length (working days): 10

## Purpose of Course

The purpose of the course is to give NATO Deployable CIS (DCIS) Administrators confidence in securely administering and maintaining the Core Enterprise Services (CES) element within the NRF DCIS Capability.

Administrators will learn to securely and efficiently configure and operate the IS component of this system.

student will apply select Information Assurance Service aspects within the NATO Consultation, Command and Control (C3) Taxonomy in federated mission networks.

Training will enable student working at Operations and Maintenance (O&M) Levels 1 and 2. Successful student may request operator-level Service Management and Control (SMC) privileges on NATO networks.

This course is a System category course and has been considered after the pre-requisites.

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- Describe the context of NATO CES in DCIS, and how this capability / system fits within this structure.
- Describe the context of Federated Mission Networking (FMN), and how DCIS and this capability / system fits within this structure.
- Describe the IS technical elements of this capability / system and relate his or her Information Systems technology experience to NATO CES.
- Describe NATO SMC procedures and tools and their relevance to this capability / system and DCIS in federated networks.
- Demonstrate the use of select NATO SMC tools at Administrator Level.
- Prepare, deploy, and configure the capability IS components and End User equipment to node-specific state.
- Demonstrate and apply the techniques for installation of Core Services to support the DCIS infrastructure.
- Describe and configure the Virtualisation capability within the DCIS CES environment.
- Define and configure selected -ISM Services (to include AD, Exchange, WSUS, ePO)
- Perform a controlled start-up, and shutdown of the system
- Apply practical testing.

## Qualification

NRF DCIS (Dragonfly) IS System and Service Desk Administrator

## Student Criteria

The student must have:

1. Successfully completed the NCISS Course 0961
  2. Been assigned to a NATO or National Post where the relevant NATO DCIS Services will be employed.
- Students not meeting the assignment and background knowledge criteria may attend ONLY with the explicit recommendation of the NCI Agency Network Services and IT Infrastructure (NS & II) Service Line DCIS Service Operations Manager, provided they have met the security clearance requirement.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OF3,OR9,OF1,OR8,NIC B5,OF2,NIC A2,OR6,CIV,NIC B3,NIC A3,NIC B6,OR2,OR4,NIC B4,OR1,OR7,OR3,OR5

## Special Instructions

N/A

## Security Clearance

NATO SECRET (NS)

## Pre-Course Study Material

N/A

## Background

- Successfully completed the NCISS Course 0961.
- Networking Basics.

## Prerequisite Course

NATO Deployable IS Administrator

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)



# NRF DCIS (Dragonfly) ComS Operator

Course ID

A0912

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 4

Maximum Class Size: 6

Course Length (working days): 10

## Purpose of Course

The course is designed to give NATO Deployable CIS (DCIS) Operators confidence in securely operating and maintaining with the NATO Response Force (NRF) DCIS Invitation for Bid 1 (IFB 1) Dragonfly to support Communications Services (ComS) supported by DCIS. Operators will learn to integrate Wired Local and Wide Area Transmission Services and how it integrates with Wireless Transmission Services. To securely and efficiently operate the system students will apply select Information Assurance Service aspects within the NATO Consultation Command and Control (C3) Taxonomy in federated mission networks. This upgraded course covers intra-node services and operator-level inter-node Communication Services (previously covered in Course 913). Training will enable students working at Operations and Maintenance (O&M) Levels 1 and 2. Successful students may request operator-level Service Management and Control (SMC) privileges on NATO networks following the established procedures. This is the Communications Services element of the Dragonfly System Level courses it may be conducted in conjunction with the Core Enterprise Services (CES) element (Course No 910) to support Crew Training. This course is a System category course and should be considered after the pre-requisites and before the Special category specified as illustrated in the Annex to the catalogue or attachment to Studaba.

## Learning Objectives

Based on DCIS ComS Foundation Training and introduction to the System received during the Physical Deployment Training, given the pre-requisites see paragraph 19 upon completion of the course, the qualified student will be able to:

- Configure, operate and maintain intra-node and operator-level inter-node Communication Services for DCIS Nodes up to the scope of a federated Major Point of Presence (PoP).
- Describe and apply skills and procedures of a ComS operator working at Operations and Maintenance (O&M) Levels 1 and 2.
- Describe and use NATO SMC procedures and tools and their relevance to this capability / system and DCIS in federated networks.
- Demonstrate the use of select NATO SMC tools at intra-node and inter-node Operator Level.
- Define the concept of converged Communications Access and Communication Transport Services on networks, security domains and NATO security (e.g. system hardening).
- Investigate and illustrate this capabilities configurations and Transmission Service integration.

- Analyse and determine issues with this capability / system Communication Service components, such as routers and switches.
  - Describe the Communication Services supporting CIS Security Services solution and how it interfaces to the NATO network. Configure CIS Security Services devices supporting secure intra-node and inter-node communication.
  - Describe select the features of more advanced Packet-Based Transport Services (e.g. Tunnelling and Quality of Service - QoS) within this capability / system and broader DCIS environment.
  - Apply practical testing, bringing together the two sub elements of this capability / system (Communication Services and select CES) to integrate all, establishing services from this capability / system to the Deployable Operations Gateway (DOG) and between two systems.
- Note: This course may be conducted in conjunction with the Core Enterprise Services (CES) element (Course No 0910) to support Crew Training.

## Qualification

NRF DCIS (Dragonfly) ComS Operator

## Student Criteria

A student will be accepted on the course if they meet all of the following requirements:

1. Be assigned to a NCS or NFS HQ or unit where the relevant NATO DCIS Services will be employed on operations and / or exercises;
2. The Student shall meet the Background Knowledge Prerequisites for this course.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OF3,OR9,OF1,OR8,NIC B5,OF2,NIC A2,OR6,CIV,NIC B3,NIC A3,NIC B6,OR2,OR4,NIC B4,OR1,OR7,OR3,OR5

## Special Instructions

Students not meeting the assignment and background knowledge criteria may attend ONLY with the explicit recommendation of the NCI Agency Network Services and IT Infrastructure (NS & II) Service Line DCIS Service Delivery Manager, provided they have

met the security clearance requirement.

## Security Clearance

NATO SECRET (NS)

## Pre-Course Study Material

N/A

## Background

N/A

## Prerequisite Course

NATO Voice over IP Foundation,NATO Networking Infrastructure (CCNA R&S),CES Collaboration Services Engineering,DCIS ComS Foundation (Practical & Testing),Interconnecting Cisco Networking Devices (ICND 1 & 2)

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

# NATO DCIS ComS Engineering

Course ID

A0915

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 4

Maximum Class Size: 6

Course Length (working days): 10

## Purpose of Course

The course is designed to give NATO Deployable CIS (DCIS) Engineers and Senior Operators confidence in safely and securely operating and maintaining DCIS Target Architecture systems supporting Communications Services (ComS). Engineers will analyse the design, the hardware, and the routing and switching protocols used in Transport and Communication Access Services, as specified in the latest Baseline document. To securely and efficiently operate the system, students will apply select CIS Security Service aspects within the NATO Consultation, Command and Control (C3) Taxonomy in federated mission networks.

Students will be prepared to support deployed network operating centres and nodes scaling up to support Major Points of Presence (PoP) and larger.

Successful students may request advanced Service Management and Control (SMC) privileges on NATO networks following established procedures.

This course is a Special category course and to be taken after all pre-requisites System category listed, as specified in the ANNEX.

## Learning Objectives

Given the Pre-requisites and the Advanced Distance Learning (ADL) pre-course study material, upon completion of the course, the qualified student will be able to:

- Describe the context of NATO Services in DCIS, and how Communication Service Engineering supports the structure.
- Describe the context of Federated Mission Networking (FMN), and how DCIS a Communication Service Engineering supports this effort.
- Maintain and harden Transport and Communications Access Service devices to NATO standards, including full operating system recovery.
- Strengthen Communication Access Service availability using NATO approved redundancy protocols.
- Manage Packet-based Service addressing and routing using Variable Length Subnet Masking (VLSM), summarization and redistribution.
- Configure and troubleshoot Communication Services supporting Communication Access Service multi-area networks.
- Apply advanced, secure Communication Service routing techniques, such as network access control, route-tagging, route-filtering tunnelling and virtual routing and forwarding (VRF).
- Align DCIS Communication Services and supporting capabilities and systems with the

NATO Quality of Service (QoS) architecture.

- Integrate Communication Service QoS with tunnelling using policy-based routing (PBR).
- Interconnect Communication Edge Transport and Core Services to external Networks or Network Elements using BGP.
- Configure and troubleshoot the advanced Communication Service NATO interior gateway protocols.
- Deploy advanced Transport Services supporting multiprotocol label switching (MPLS) with traffic Engineering.

## Qualification

NATO DCIS Communication Services Support Engineer

## Student Criteria

The student must:

- Be assigned to a NCS or NFS HQ or unit where the relevant NATO DCIS Services will be employed on operations and / or exercises;
- Have met the Background Knowledge Prerequisites for this course.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OR3,OR5,OR9,OF1,OR8,NIC B5,OF2,NIC A2,OR6,CIV,NIC B3,NIC A3,NIC B6,OR2,OR4,NIC B4,OR1,OR7

## Special Instructions

Students not meeting the assignment and background knowledge criteria may attend ONLY with the explicit recommendation of the NCI Agency Network Services and Infrastructure DCIS Service Delivery Manager, provided they have met the security clearance requirement.

Training Coordinators need to ensure students complete the Pre-course Study Material specified. To ensure course quality for fellow classmates, failure of success in the entry test may lead to the student not fully participating in the course.

This course is work intensive; hence we suggest students consider using the Student Quarters accommodation.

## Security Clearance

NATO SECRET (NS)

## Pre-Course Study Material

NCISS 0612 DCIS ComS Engineering Pre-reading (ADL course 130, via <https://jadl.act.nato.int/>)

## Background

Essential Pre-requisites:  
Successful completion of pre-requisite courses AND  
Be assigned to a DCIS environment AND  
Have completed the pre-reading material specified. Desirable Pre-requisites: Experience at a DCIS Minor or Major PoP supporting Node for about 9-12 months.

## Prerequisite Course

NATO Networking Infrastructure (CCNA R&S),DCIS Network Engineering Pre-study (ADL),CALI ComS Operator,NRF DCIS (Dragonfly) ComS Operator,Interconnecting Cisco Networking Devices (ICND 1 & 2)

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)



# Mini PoP Operator

Course ID

A0916

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Oeiras (PRT)

Minimum Class Size: 5

Maximum Class Size: 8

Course Length (working days): 5

## Purpose of Course

The course is designed to give NATO Deployable CIS (DCIS) Operators confidence in safely and securely operating and maintaining the DCIS Minor Point-of-Presence (Mini-PoP) supporting node to support Communications Services and Core Enterprise Services (CES) supported by DCIS. Operators will learn to integrate Wired Local and Wide Area Transmission Services and how it integrates with Wireless Transmission Services. To securely and efficiently operate the system, students will apply select CIS Security Service aspects within the NATO Consultation, Command and Control (C3) Taxonomy in federated mission networks.

Training will enable students working at Operations and Maintenance (O&M) Levels 1 and 2. This course will not cover select Wireless Transmission Services and end-user devices.

This course is a System category course and to be taken after the pre-requisites and before the Special category specified as specified in the ANNEX of the Catalogue / Attachment in STUDABA.

## Learning Objectives

Given the pre-requisites specified, upon completion of the course, the qualified student will be able to:

- Describe the context of NATO Services in DCIS, and how this capability / system fits within this structure.
- Describe the context of Federated Mission Networking (FMN), and how DCIS and this capability / system fits within this structure.
- Describe the technical elements of this capability / system and relate his or her technology experience to NATO CES, Communication Services and Transmission Services.
- Describe and complete tasks with the selected supporting non-CIS equipment for this capability / system.
- Describe NATO SMC procedures and tools and their relevance to this capability / system and DCIS in federated networks.
- Describe the CIS Security Services supporting solution and how it interfaces to the NATO network; Configure related devices supporting this capability.
- Define and apply the concept of converged CES, Communications Access and Communication Transport Services on networks, security domains and NATO security (hardening).
- Describe the Wireless Beyond Line of Sight (BLOS) solution used with this capability and how it interfaces to the NATO network; Configure terminals supporting this capability.

- Analyse and determine issues with this capability / system, CES, Communication Service components such as routers and switches.
- Describe the CES, to include Unified Communications and Collaboration supporting solution and how it interfaces to the NATO network; Configure end devices supporting this collaboration.
- Define the protocols and configuration techniques required to establish a multimedia CES Unified Communications and Collaboration (e.g. Video Teleconferencing) within this capability / system environment.
- Describe select the features of more advanced Packet-Based Transport Services (e.g. Tunnelling and Quality of Service - QoS) within this capability / system and broader DCIS environment.
- Apply practical testing, bringing together sub elements of this capability / system (Transmission Services, Communication Services and select CES) to integrate all, establishing local services

## Qualification

Mini PoP Operator

## Student Criteria

A student will be accepted on the course if they meet all of the following requirements:

1. Be assigned to a NCS or NFS HQ or unit where the relevant NATO DCIS Services will be employed on operations and / or exercises;
2. The Student shall meet the Background Knowledge Prerequisites for this course.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OR7,OR3,OR5,OR9,OF1,OR8,NIC B5,OF2,NIC A2,OR6,CIV,NIC B3,NIC A3,NIC B6,OR4,OR2,NIC B4,OR1

## Special Instructions

Students not meeting the assignment and background knowledge criteria may attend ONLY with the explicit recommendation of the NCI Agency Network Services and IT Infrastructure (NS & II) Service Line DCIS Service Operations Manager, provided they

have met the security clearance requirement.

## Security Clearance

NATO SECRET (NS)

## Pre-Course Study Material

N/A

## Background

Essential Prerequisites:

This is a small team capability, requiring students having a broad skills and knowledge base to include having completed the:

- Other CES:

0916 Deployable IS Foundation

- CES Unified Communication and Collaboration:

0095 VoIP Foundation

- Communication Services:

0964/0967 DCIS ComS Foundation

- Transmission Services:

0051 OR 0903 OR equivalent SATCOM terminal knowledge, skills and experience

Desirable Prerequisites:

0923 Deployable CIS Security Foundation

## Prerequisite Course

NATO Voice over IP Foundation,NATO Networking Infrastructure (CCNA R&S),CCENT (ICND1) On-Line,CES Collaboration Services Engineering,DCIS ComS Foundation (Practical & Testing),Interconnecting Cisco Networking Devices (ICND 1 & 2)

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

# MiniPoP Familiarisation

Course ID

A0917

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Mobile Training Team

Minimum Class Size: 4

Maximum Class Size: 8

Course Length (working days): 3

## Purpose of Course

Disclaimer: This course is under revision by the Course OPR.

The familiarization course is designed to make NATO Deployable CIS (DCIS) Operators familiar with the installation and operation of the DCIS Minor Point-of-Presence (Mini-PoP). This includes unpacking, cabling and making the MiniPoP operational in collaboration with engineers in the crypto cell and the DOG. This course can be taken before, but is not a replacement for Course 0916 MiniPoP Operator.

Training will enable students working at Operations and Maintenance (O&M) Levels 1 and 2. This course will not cover any of the following: non-CIS (for example, power provision); Wireless Transmission Services; full system troubleshooting; end-user device installation.

This course is a Deployment/System category course and to be taken after the pre-requisites and before the Special category as specified in the ANNEX of the Catalogue / Attachment in STUDABA.

## Learning Objectives

Given the pre-requisites see paragraph 16 upon completion of the course, the student will be able to:

- Describe the context of NATO Services in DCIS, and how this capability/system fits within this structure.
- Describe the context of Federated Mission Networking (FMN), and how DCIS and this capability/system fits within this structure.
- Describe the technical elements of this capability and relate his or her technology experience to NATO CES, Communication Services and Transmission Services.
- Carry out simple troubleshooting on the components such as routers and switches.
- Apply practical testing, bringing together sub elements of this capability / system (Transmission Services, Communication Services and select CES) to integrate local services.

## Qualification

MiniPoP Functionary.

## Student Criteria

A student will be accepted on the course if they meet all of the following requirements:

1. Be assigned to a NCS or NFS HQ or unit where the relevant NATO DCIS Services will be employed on operations and / or exercises;
2. The Student shall meet the Background

Knowledge Prerequisites for this course.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OR4,CIV,OR7,OR9,OR5,OF1,OR3,NIC A2,NIC B5,OR8,OF2,OR6,NIC B3,NIC A3,NIC B6,OR2,NIC B4,OR1

## Special Instructions

Students must provide proof of security clearance upon registration! Students not meeting the assignment and background knowledge criteria may attend ONLY with the explicit recommendation of the NCI Agency Network Services and IT Infrastructure (NS & II) Service Line DCIS Service Delivery Manager, provided they have met the security clearance requirement. IMPORTANT Note: This course is conducted at the customer site by a mobile training team; the requesting Unit is responsible for preparing their systems (including non-CIS - Power, etc. - and Security (COMSEC) and ensuring connectivity, such as Beyond Line-of-sight (SATCOM). Limited (one capability / system, only) mobile training may be requested through the established procedures.

## Security Clearance

NATO SECRET (NS)

## Pre-Course Study Material

N/A

## Background

Essential Prerequisites:  
This is a small team capability, requiring students having a broad skills and knowledge base to include having completed the:

- CES and Unified Communication and Collaboration:

0961 DCIS IS Foundation, 0095 VoIP Foundation

- Communication Services:

0964/0967 DCIS ComS Foundation

Desirable Prerequisites:

0923 Deployable CIS Security Foundation

## Prerequisite Course

NATO Voice over IP Foundation,NATO Networking Infrastructure (CCNA R&S),CCENT (ICND1) On-Line,CES Collaboration Services Engineering,DCIS ComS Foundation (Practical & Testing),Interconnecting Cisco Networking Devices (ICND 1 & 2)

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

# DCIS Service Management & Control Foundation

Course ID

A0920

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 5

Maximum Class Size: 8

Course Length (working days): 5

## Purpose of Course

Disclaimer: This DRAFT course description and the course content and structure are under development with the Office of Primary Responsibility (OPR).

The purpose of the course is to give a foundation level overview of NATO Deployable CIS (DCIS) Service Management and Control (SMC) operation to DCIS Operators. These operators will have the

basic knowledge to become confident users of SMC on the various DCIS Equipment platforms. Training will enable students working at Operations and Maintenance (O&M) Level 1. Successful students may request operator-level 1 SMC privileges on NATO networks, following the established procedures.

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

- Tell apart System-Based and Service-Based organizations;
- Discuss Service Management approaches and methodologies;
- Identify and explore ITIL framework;
- List ITIL processes adopted by NATO and applied to NCIA Services;
- Realize how NATO CIS Group (NCISG) supports the Signals Support Group (SSG) with Deployed Network Operation Centre (DNOC).
- Examine and relate NATO Service Management and Control Service concepts and procedures to FMN;
- Recognize the service management toolset used by DCIS;
- Differentiate Incident, Change, Fault and Performance Management tools and processes;
- Understand ITSM structure and ticketing workflow;
- Categorize network troubleshoot methodologies regarding OSI Model;
- Understand SNMP protocol and list key features provided by the different versions;
- Configure and troubleshoot SNMP protocol on Cisco devices and Linux/Microsoft OS as used in DCIS systems;
- Understand and implement proficiently Cisco NetFlow and Cisco IP SLA tests;
- Recognize different monitoring approaches like pollers, probes and agents;
- Explore Service Management tools (e.g. CA Spectrum);
- Analyse service monitoring matrixes;
- Extract and interpret standard network

performance reports.

## Qualification

DCIS SMC System Entry Level Operator

## Student Criteria

The student must:

- Be assigned to a NCS or NFS HQ or unit where the relevant NATO DCIS Services will be employed on operations and / or exercises;
- Have met the Background Knowledge Prerequisites for this course;
- Completed the mandatory companion course 0964.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

NIC B4,OR1,OR7,OR3,OR5,OF3,OR9,OF1,OR8, NIC B5,OF2,NIC A2,OR6,NIC A4,CIV,NIC B3,NIC A3,NIC B6,OR4,OR2

## Special Instructions

N/A

## Security Clearance

NATO SECRET (NS)

## Pre-Course Study Material

N/A

## Background

N/A

## Prerequisite Course

CALI ComS Operator,NRF DCIS (Dragonfly) ComS Operator,NATO Deployable IS Administrator,DCIS ComS Foundation (Practical & Testing)

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

# DCIS Service Management & Control Administration

Course ID

A0921

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 4

Maximum Class Size: 6

Course Length (working days): 5

## Purpose of Course

Disclaimer: This course description is being revised with the Course OPR.

The purpose of the course is to give an administration level of NATO Deployable CIS (DCIS) Service Management and Control (SMC) operation to DCIS Administrators in federated environments. These technicians will have the knowledge to do basic configurations on the SMC tools applied to the various DCIS Equipment platforms. Training will enable students working at Operations and Maintenance (O&M) Level 2. Successful students may request operator-level 2 SMC privileges on NATO networks, following the established procedures.

This course is a System level course in the DCIS Training Framework, as specified in the STUDABA Attachment / Annex in the Course Catalogue.

they meet all of the following requirements:

1. Be assigned to a NCS or NFS HQ or unit where the relevant NATO DCIS Services will be employed on operations and / or exercises.
2. Met the background knowledge prerequisites for this course.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OR4,OR2,NIC B4,OR1,OR7,OR3,OR5,OF3,OR9,OF1,OR8,NIC B5,OF2,NIC A2,OR6,NIC A4,CIV,NIC B3,NIC A3,NIC B6

## Learning Objectives

Given the prerequisites, upon completion of the course, the qualified student will be able to:

- Apply ITIL methodologies adopted by NATO and compliant with FMN;
- Get familiar with the event flow on the service management tools used by DCIS;
- Consult and configure a new device on the CMDB system;
- Understand the Change Order process and the different types of change orders;
- Be able to configure the network devices to be securely and effectively monitored by the DCIS SMC toolset;
- Configure a new device on the SMC monitoring tools;
- Organize the devices in a structured and logical way;
- Apply specific monitoring settings on a list of devices (i.e. monitor a specific process on a list of servers; apply thresholds alarms on interface utilization);
- Create a topological view of the network that efficiently mirrors the network diagrams;
- Understand performance metrics and how to extract them from the devices;
- Analyse and configure network performance reports.

## Special Instructions

Students not meeting the assignment and background knowledge criteria may attend ONLY with the explicit recommendation of the NCI Agency Network Services and IT Infrastructure (NS & II) Service Line DCIS Service Delivery Manager, provided they have met the security clearance requirement.

## Security Clearance

NATO SECRET (NS)

## Pre-Course Study Material

N/A

## Background

N/A

## Prerequisite Course

DCIS Service Management & Control Foundation

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

## Qualification

DCIS SMC System-Level Administrator

## Student Criteria

A student will be accepted on the course if

# DCIS Service Management & Control Engineering

Course ID

A0922

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 5

Maximum Class Size: 6

Course Length (working days): 5

## Purpose of Course

Disclaimer: This course description is being revised with the Course OPR.

The purpose of the course is to give an expert level of NATO Deployable CIS (DCIS) Service Management and Control (SMC) operation to DCM Support Engineers in federated environments. The engineers will have the knowledge to troubleshoot and do advanced customizations on the SMC tools applied to the various DCIS Equipment platforms. Training will enable students working at Operations and Maintenance (O&M) Level 3. Successful students may request operator-level 3 SMC privileges on NATO networks, following the established procedures.

This course is a Special category course in the DCIS Training Framework, as specified in the STUDABA Attachment / Annex in the Course Catalogue.

0964.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

NIC B6,OR4,OR2,NIC B4,OR1,OR7,OR3,OR5,OF3,OR9,OF1,OR8,NIC B5,OF2,NIC A2,OR6,CIV,NIC A4,NIC B3,NIC A3

## Special Instructions

N/A

## Security Clearance

NATO SECRET (NS)

## Learning Objectives

Given the pre-requisites, upon completion of the course, the student is prepared for further DCIS Courses (see qualification) and will be able to:

Understand the SMC platform host requirements and OS tweaks needed for the different DCIS tools;

Apply maintenance routines to assure the proper operation of each SMC tool;

Understand the different tools database structure, configure backups and restore points;

Tune and troubleshoot the event flow on the service management tools used by DCIS;

Implement and populate a CMDB;

Use manufacturer MIBs to enhance the monitoring capabilities;

Configure network probes to assist the QoS requirements assessment;

Customize the SMC platforms frontend towards an operator need.

## Pre-Course Study Material

N/A

## Background

N/A

## Prerequisite Course

DCIS Service Management & Control Administration

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

## Qualification

DCIS SMC System Technician

## Student Criteria

The student must:

- Be assigned to a NCS or NFS HQ or unit where the relevant NATO DCIS Services will be employed on operations and / or exercises;
- Have met the Background Knowledge Prerequisites for this course;
- Completed the mandatory companion course

# CES Collaboration Services Engineering

Course ID

A0930

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 5

Maximum Class Size: 8

Course Length (working days): 5

## Purpose of Course

The purpose of the course is to provide military and civilian personnel with the knowledge and skills required to perform as a Video Technician for NATO DCIS CES Video Teleconferencing Systems. Successfully install, program, operate, maintain and troubleshoot associated VTC CODEC end-points in the NATO DCIS CES Video environment.

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- Understand and describe the NATO STATIC and Deployed VTC architecture and associated equipment;
- Install, configure, operate and perform diagnostics on a variety of VTC CODEC equipment in the NATO environment;
- Acquainted with the booking process of all conferences in NATO;
- Conversant with associated protocols used in VTC;
- Understand the influence of various communication / network configurations on a VTC conference;
- Run basic diagnostic checks on Fibre Optic Modems and fibre connections, Bandwidth Management Equipment, ISDN Terminal Adapters and Crypto devices;
- Understand the reason for and implications of clocking problems;
- All students will undertake a practical and theoretical exam at the end of the course.

## Qualification

DCIS CES Video Operator

## Student Criteria

The student must:

- Be assigned to a NCS or NFS HQ or unit where the relevant NATO DCIS Services will be employed on operations and / or exercises;
- Have met the Background Knowledge Prerequisites for this course.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

NIC A3,NIC B6,OR4,OR2,OF6,NIC A5,NIC B4,OR1,OF4,OR7,OF5,OR3,OR5,OF3,OR9,NIC A6,OF1,OR8,NIC B5,OF2,NIC A2,OR6,CIV,NIC

A4,NIC B3

## Special Instructions

N/A

## Security Clearance

NATO SECRET (NS)

## Pre-Course Study Material

N/A

## Background

N/A

## Prerequisite Course

N/A

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)



## DCIS CES Voice Technician

Course ID

A0932

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Oeiras (PRT)

Minimum Class Size: 4

Maximum Class Size: 8

Course Length (working days): 5

## Purpose of Course

The aim of the course is provide the System Level knowledge required of a technician responsible for Voice Systems on DCIS Systems. This will enable the technician to then apply this knowledge to successfully configure, deploy and manage Voice Services via DCIS Systems. It will focus on the configuration/operation of current Voice solutions available on DCIS Systems, Integration to existing NATO Voice Infrastructures and Troubleshooting of Voice Service incidents

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

- Understand and describe the NATO Static and Deployed Voice architecture and associated equipment.
- Install, configure and operate DCIS Voice Systems.
- Acquainted with Standards used for dialling plans in DCIS and NATO. Understand and describe the NATO Static and Deployed Voice architecture and associated equipment.
- Install, configure and operate DCIS Voice Systems.
- Acquainted with Standards used for dialling plans in DCIS and NATO.
- Conversant with associated protocols used in DCIS Voice Systems.
- Understand the influence of various communication / network configurations on a Voice Call.
- Run diagnostic checks, Call Logs and Reports on DCIS Voice Systems.
- All students will undertake a practical and theoretical exam at the end of the course.
- Conversant with associated protocols used in DCIS Voice Systems.
- Understand the influence of various communication / network configurations on a Voice Call.
- Run diagnostic checks, Call Logs and Reports on DCIS Voice Systems.
- Apply features and utilities to DCIS Voice Systems as required by the User.

## Qualification

DCIS CES Video Technician

## Student Criteria

A student will be accepted on the course if they meet all of the following requirements:

1. Be assigned to a NCS or NFS HQ or unit where the relevant NATO DCIS Services will be employed on operations and / or exercises;
2. The Student is required to meet the

Background Knowledge Prerequisites for this course (see paragraph 16).

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OR1,NIC B4,OF4,OF5,OR4,OR7,CIV,NIC A6,OR9,OF3,OR5,OF1,OR3,NIC A2,NIC B5,OR8,NIC A4,OF2,OR6,NIC B3,NIC A3,OF6,NIC B6,NIC A5,OR2

## Special Instructions

The student has to hand-carry a duly filled in and signed original of the NATO Security Clearance Certificate, see AD 70-1, Part IV, Chapter 1, Annex D

## Security Clearance

NATO SECRET (NS)

## Pre-Course Study Material

N/A

## Background

Essential Criteria: Students to have completed 0095 - VoIP Foundation and 0097 NATO Call Manager & VoSIP Courses

## Prerequisite Course

NATO Call Manager & Voice over Secure IP (VoSIP)

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)



## DCIS IS Engineering

Course ID

A0960

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 4

Maximum Class Size: 6

Course Length (working days): 5

## Purpose of Course

The purpose of the course is to provide cleared NCI Agency and NATO HQ military and civilian personnel with the knowledge and skills to perform as NATO IS Engineers within NATO DCIS capabilities.

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- Confirm configuration and settings of components within the operational system
- Install, operate and troubleshoot an operational system
- Isolate faulty components within the operational system
- Replace faulty system components and re-engineer the system to an operational state

## Qualification

DCIS IS Engineer

## Student Criteria

The student must have:

1. Successfully completed the NCISS Course 0961, 0901 and/or 0910
  2. Been assigned to a NATO or National Post where the relevant NATO DCIS Services will be employed.
- Students not meeting the assignment and background knowledge criteria may attend ONLY with the explicit recommendation of the NCI Agency Network Services and IT Infrastructure (NS & II) Service Line DCIS Service Operations Manager, provided they have met the security clearance requirement.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

NIC A3, NIC B6, OR4, OR2, OF6, NIC A5, NIC B4, OR1, OF4, OR7, OF5, OR3, OR5, OF3, OR9, NIC A6, OF1, OR8, NIC B5, OF2, NIC A2, OR6, CIV, NIC A4, NIC B3

## Special Instructions

N/A

## Security Clearance

NATO SECRET (NS)

## Pre-Course Study Material

N/A

## Background

- Successfully completed the NCISS Course 0961, 0901 and/or 0910.
- Networking Basics.

## Prerequisite Course

CALI IS Administrator, NRF DCIS (Dragonfly) IS System and Service Desk

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

# NATO Deployable IS Administrator

Course ID

A0961

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 5

Maximum Class Size: 8

Course Length (working days): 10

## Purpose of Course

The purpose of the course is to provide military and civilian personnel with foundation knowledge and skills to install, administer and maintain IS (Information Systems) Core Enterprise Services (CES) infrastructures on NATO/FMN Deployable CIS (DCIS) Capabilities.

This course is a combination of theoretical lessons and practical hands-on training and it is intended for student with little experience in IS environments.

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- Describe the context of NATO/FMN Core Enterprise Services (CES) in DCIS.
- Demonstrate and apply the techniques for installation and administration of CES.
- Demonstrate and apply the techniques for installation and administration of NATO DCIS adopted virtualisation solution.

## Qualification

NATO Deployable IS Administrator

## Student Criteria

The Student must:

- Have been assigned to a NATO or National Post where the relevant NATO DCIS Services will be employed.

Students not meeting the assignment and background knowledge criteria may attend ONLY with the explicit recommendation of the NCI Agency Network Services and IT Infrastructure (NS & II) Service Line DCIS Service Operations Manager, provided they have met the security clearance requirement.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

NIC B3,NIC A3,NIC B6,OR4,OR2,OF6,NIC A5,NIC B4,OR1,OF4,OR7,OF5,OR3,OR5,OF3,OR9,NIC A6,OF1,OR8,NIC B5,OF2,NIC A2,OR6,CIV,NIC A4

## Special Instructions

N/A

## Security Clearance

NATO SECRET (NS)

## Pre-Course Study Material

N/A

## Background

The student must have basic technical knowledge on computer systems and networking. No prior experience on Microsoft Windows Server is required but it is desirable.

## Prerequisite Course

N/A

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

# NATO Deployable IS Administrator for PfP

Course ID

A0962

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 5

Maximum Class Size: 8

Course Length (working days): 10

## Purpose of Course

The purpose of the course is to provide military and civilian personnel with foundation knowledge and skills to understand, install, administer and maintain IS (Information Systems) and Core Enterprise Services (CES) infrastructures. This course is a combination of theoretical lessons and practical hands-on training. This course is intended for student with little experience in IS environments.

Windows Server is required but it is desirable.

## Prerequisite Course

N/A

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

- Describe the context of Core Enterprise Services (CES).
- Demonstrate and apply the techniques for installation and administration of CES.
- Demonstrate and apply the techniques for installation and administration of virtualization solutions.

## Qualification

NATO Deployable IS Administrator

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

NIC B3,NIC A3,NIC B6,OR4,OR2,OF6,NIC A5,NIC B4,OR1,OF4,OR7,OF5,OR3,OR5,OF3,OR9,NIC A6,OF1,OR8,NIC B5,OF2,NIC A2,OR6,CIV,NIC A4

## Special Instructions

Releasable to PfP

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

The student must have basic technical knowledge on computer systems and networking. No prior experience on Microsoft

# Federated Mission Network Planning

Course ID

A0969

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Oeiras (PRT)

Minimum Class Size: 10

Maximum Class Size: 25

Course Length (working days): 5

## Purpose of Course

The purpose of this course is to provide students confidence in planning operations and exercises in the context of Federated Mission Networking (FMN). The course aims at military and civilian personnel from NATO Headquarters, NATO Command Structure (NCS), NATO Forces Structure (NFS) and NATO Agencies deploying and supporting NATO DCIS.

Students will explore how FMN will support the Connected Forces Initiative and extending NATO Consultation, Command and Control (C3) Taxonomy in federated mission networks. Students examine implications of major NATO strategic efforts like the Connected Forces Initiative (CFI) and Federated Mission Networking (FMN). Students explore responsibilities and procedures between Nations, the Military Committee, the FMN Directorate, the Strategic Commands (SC) - Allied Command Transformation (ACT) and the Allied Command Operations (ACO). Students gain insight about relationships between major NATO entities involved in FMN instantiation, to include the NATO CIS Group (NCISG), NATO Communications and Information Agency (NCI Agency) and NATO Support Agency (NSPA). Successful students support planning of NATO operations and exercises in the FMN context.

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

- List relevant NATO Directives, Policies and guidelines that support NATO FMN
- Differentiate roles of NATO Commands supporting or deploying in NATO FMN supporting Exercises and Operations (SC, NCS, NFS, NCISG, NCI Agency).
- Differentiate Consultation, Command and Control (C2) CIS (C4) Intelligence, Surveillance and Reconnaissance (C4 ISR) Services in static and C2 extended to deployed FMN exercises and operations.
- Explore fundamentals of the NATO Connected Forces Initiative (CFI), NATO Network Enabled Capabilities (NNEC) and the FMN.
- Discuss fundamental NATO resource concepts like Minimum Military Requirements (MMR) and the implications of those to FMN.
- Categorize NATO Services extended by DCIS in the context of the NATO C3 Classification Taxonomy.
- Relate the Operational Context to the CIS Services Capabilities and Technical Services.
- Associate the various Service Providers and Operational User communities and the capability each provide with the implications to DCIS Planning and Coordination.
- Explore intrinsic details of the NATO Concept of Operations (CONOPS) for DCIS, the Signals

Support Group (SSG) and Deployed Network Operation Centre (DNOC) concepts and how these relate to FMN Planning.

- Evaluate the Concept of Employment (CONEMP) of NCISG and other providers or operational users and how those impact FMN.
- Sequence the NRF Training and Exercise life cycle and relate FMN to that cycle.
- Describe implications of the NATO DCIS Target Architecture to FMN Planning and deploying Services, to include Mission Anchor Functions and sub-components.
- Sequence inputs, processes, and outputs required by stakeholders in the FMN Planning events and conferences.
- Examine and relate NATO Service Management and Control Service concepts and procedures to FMN; Investigate related vehicle documents to include Service Level Agreements (SLA) and Operational Level Agreements (SLA) used by service providers and user representatives.
- Examine and relate NATO Information Assurance Service concepts and procedures to FMN.
- Evaluate NATO education and training concepts, methodologies, and list available training.

## Qualification

NATO FMN Planner

## Student Criteria

The student will be accepted on the course if he/she meets all of the following requirements:

1. Be assigned to a National, NCS or NFS HQ or unit, National or NATO Agencies involved and actively involved in FMN-related activities;
2. The Student requires to meet the Background Knowledge Prerequisites for this course

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, NIC A4, NIC B3, NIC A3, NIC B6, OR4, OR2, OF6, NIC A5, NIC B4, OR1, OF4, OR7, OF5, OR3, OR5, OF3, OR9, NIC A6, OF1, NIC B5, OR8, OF2, NIC A2, OR6

## Special Instructions

Officer

Senior NCO in a Planning Function  
Civilian equivalent

## Security Clearance

NATO RESTRICTED (NR)

## Pre-Course Study Material

It is recommended to read the relevant FMN (these document will be defined)

## Background

Essential Prerequisites:

Have completed the NATO CIS Orientation Course for Officers (NCISS 101) or NCO (NCISS 103).

Desirable Prerequisites:

Students may find attending the NATO DCIS Planning Course (NCISS 106) helpful before attending.

## Prerequisite Course

NATO C4ISR Orientation for Officers, NATO C4ISR Orientation for NCOs

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

# NATO CIS Technical Instructor

Course ID

A0970

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Oeiras (PRT)

Minimum Class Size: 5

Maximum Class Size: 8

Course Length (working days): 5

## Purpose of Course

To provide the basic technical skills, effective teaching methods and presentation techniques, required to teach technical subjects in an international training environment. It will focus on the two methods used most often at the NATO CIS School: classroom instruction and practical exercises.

Facility or National Training Facility as a technical instructor  
- Meet the background knowledge prerequisites for this course.

## Security Clearance

NATO UNCLASSIFIED (NU)

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

- Describe NATO's SAT Process
- Describe the NATO NCISS Quality Assurance (QA) Program
- Describe cultural diversity in the Technical Training Environment
- Describe the main elements of Performance Objectives (POs) and Enabling Learning Objectives (ELOs)
- Identify the main elements of a Lesson Plan
- Explain and demonstrate the correct use of classroom Teaching Tools
- Demonstrate the skills required to be a Technical Instructor in an international environment
- Identify the steps in the preparation of a Classroom or Lab for a training session
- Demonstrate the correct use of PowerPoint presentations to support training objectives

## Pre-Course Study Material

N/A

## Background

## Prerequisite Course

N/A

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

## Qualification

NATO CIS Technical Instructor

## Student Criteria

Students must:

- Be familiar with MS Word and MS PowerPoint.
- Be assigned to a NATO or National Training Facility as an instructor in a technical field.
- Have met the Background Knowledge Prerequisites for this course.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OR6,CIV,NIC A4,NIC B3,NIC A3,NIC B6,OR4,OR2,OF6,NIC A5,NIC B4,OR1,OF4,OR7,OF5,OR3,OR5,OF3,OR9,NIC A6,OF1,NIC B5,OR8,OF2,NIC A2

## Special Instructions

The candidate must:

- Have been assigned to a NATO Training

# Methods of CIS Course Development for NATO

Course ID

A0971

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 6

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

The purpose of the course is to provide the technical skills and methods required to develop technical materials to support technical training in an international environment. It will focus on the development of materials to support the two methods used most often at the NATO CIS School: classroom instruction and practical exercises.

that were taught. To make the exercises more realistic, student are requested to bring materials (Unclassified) from their normal duties to be used on the exercises.

## Security Clearance

NATO UNCLASSIFIED (NU)

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- Describe NATO-s QA Process in the development of training materials
- Explain the use of Enabling /Learning Objectives(ELOs)
- Demonstrate the correct method of developing Objectives
- Identify the main elements of Course Control Documents(CCDs)
- Explain and demonstrate the correct preparation of classrooms and laboratories
- Demonstrate the correct method of developing practical exercises
- Explain the methods for evaluation of student performance
- Demonstrate the correct method of developing examination questions

## Pre-Course Study Material

N/A

## Background

- The student must be familiar with MS Word and MS PowerPoint.
- The student must have basic computer skills including the use of mouse, keyboard and printer.
- The student must be familiar with the use of a graphical user interface (GUI) like windows.

## Prerequisite Course

N/A

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)

## Qualification

NATO CIS Technical Course Developer

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

NIC B5,OR8,OF2,NIC A2,OR6,CIV,NIC A4,NIC B3,NIC A3,NIC B6,OR4,OR2,OF6,NIC A5,NIC B4,OR1,OF4,OR7,OF5,OR3,OR5,OF3,OR9,NIC A6,OF1

## Special Instructions

The course requires work to be done outside normal class hours and student not staying in the Student Quarters are suggested to bring a laptop computer to work on outside normal class hours.

- All student will undertake a final exam at the completion of the course.
- All student will undertake practical exercises to demonstrate the ability to apply the skills

# NATO Deployable IS Service Helpdesk

Course ID

A0972

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Mobile Training Team

Minimum Class Size: 5

Maximum Class Size: 8

Course Length (working days): 5

## Purpose of Course

The course is designed to provide military and civilian personnel with IS Service Helpdesk knowledge and skills to administer IS (Information Systems) Core Enterprise Services (CES) infrastructures on NATO Deployable CIS (DCIS) Capabilities according to DODC Level 1.

This course is a combination of theoretical lessons and practical training.

This course is intended for students with little experience in the Deployable IS environment.

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

- Describe the context of NATO Services in DCIS, and how IS systems fit within this structure.
- Describe the technical elements of IS systems within NATO CES.
- Demonstrate and apply the techniques for administration of Core Services to support the DCIS CES infrastructure.
- Understand the use of Virtualisation within the DCIS CES infrastructure services environment.

## Qualification

NATO Deployable IS Service Helpdesk Operator

## Student Criteria

The Student must:

- Have been assigned to a NATO or National Post where the relevant NATO DCIS Services will be employed.

Students not meeting the assignment and background knowledge criteria may attend ONLY with the explicit recommendation of the NCI Agency Network Services and IT Infrastructure (NS & II) Service Line DCIS Service Operations Manager, provided they have met the security clearance requirement.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

NIC A3,OF6,NIC B6,NIC A5,OR2,OF4,OR1,NIC B4,OF5,OR4,OR7,NIC A6,OR9,OF3,OR5,CIV,OF1,OR3,NIC A2,NIC B5,OR8,NIC A4,OF2,OR6,NIC B3

## Special Instructions

## Classroom Prerequisites:

1. 1 x full routed static Internet public IP address, without blocked ports/protocols. IP address has to be provided to NCISS, 3 weeks before course start for NCISS Training Cloud configuration
2. 1 x copper Ethernet connection to Internet via above Internet public IP address  
Connectivity test to be executed one week before course start: network ping to NCISS Training Cloud Gateway 88.38.85.24
3. 1 x L2 24 ports copper Ethernet network switch
4. 14 x copper Ethernet cables to connect network switch to student workstations, instructor laptops and NCISS network router
5. 1 x workstation for student with following minimum requirements:
  - a. Microsoft Windows 7 OS installed
  - b. RDP installed
  - c. 1 copper Ethernet NIC (IP V4 configured with unique IP in the range of 10.98.1.0/24 network, default Gateway 10.98.1.1/24, no DNS configuration)
6. 1 x Projector, screen and VGA cable

NCISS equipment is required to be temporary introduced (authorization from the Unit is required) and used for training delivery:

1. 1 x Cisco ASA firewall
2. 2 x Instructor Laptops

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

The student must have basic technical knowledge on computer systems and networking. No prior experience on Microsoft Windows Server is required but it is desirable.

## Prerequisite Course

N/A

## Value Notes

CAT A: Prepaid through CSLA; pricing applied to MTTs for units outside NCS (if available)



# Combined NISP ICC System Administrator (CNIC)

Course ID

A1000

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 4

Maximum Class Size: 12

Course Length (working days): 10

## Purpose of Course

The aim of the course is to enable personnel with little or no experience to install, maintain and modify a Solaris 11 system with a basic Solaris 11 installation and a set of administrator tools, the product being called NISP 4.1.X, and to install, maintain and modify an ICC-Server, the product being called ICC 3.1.X.

## Learning Objectives

Students will be able to identify and troubleshoot and fix installation problems.

### 1. Server Configuration

a. Know how to configure the pre-installed elements of NISP-ICC, create the first admin user accounts and analyse the installed software in accordance with SIP and SAM. Ability to modify, customize and use the different desktop systems, use shells and terminals, and use the Nested Admin Session within the desktop environment.

### 2. Solaris Basics

a. Use the basic Solaris commands for the file system, files and directories.  
b. Perform the basic system administration of a fully installed Solaris server, modify, copy, move and delete files, work with directories, create visible and hidden files, sort directory outputs and create pipes.  
c. Utilise the VI File Editor, know the basic editing, saving, deleting and modifying commands.  
d. Ability to decide on access permissions, perform access management and memorise the access permissions used for ICC.

### 3. Getting to know the System

a. Know the files and their locations for ICC, ability to modify these files and troubleshoot problems. Backup and restore corrupt files and analyse file structures.  
b. Apply the different booting scenarios for single-user mode, reconfiguration, and basic multiple-user mode and utilize the different tools available in these environments. Troubleshoot network configurations and work with the VI Editor to modify system files.

### 4. Intermediate Solaris/NISP

a. Cover the location of the NISP specific scripts, apply the scripts in the right context and correctly troubleshoot server problems.  
b. Cover the specifics of the root account, ability to troubleshoot login problems and how to protect the root account.  
c. Ability to identify situations which require server rescue, know about server rescue strategies and apply the available tools in an appropriate manner.

### 5. Advanced working with ICC:

a. Perform administrator tasks on an ICC Server. Know the ICC file locations and the structure.

b. Install the Demo Database, know the function of the Demo Database and have a general overview of the DBAdmin Tool and its functions.

### 6. DBAdmin Tool

a. Ability to use the DBAdmin Tool Functions, identify problems with ICC databases, create, copy, modify, delete and upgrade databases, troubleshoot errors.

b. Perform user management of the ICC database, change the permissions of the first user and unlock the database to the first user.

### 7. Configuring ICC

a. Identify the site wide configuration needs. Know the location of files and structure of the Site-Wide-Configuration Editor.

b. Work with the Configuration Editor, know the individual elements of site-wide-configuration and test their configuration changes. Know the difference between application, admin and user settings and locate the respective files.

### 8. Database Management

a. Perform commands using the SQL Plus Tool to modify databases and server settings, change passwords and start/stop the Oracle server environment. Know the Database file locations.

b. Use the backup and recovery routines of the Recovery Manager. Know the prerequisites of a successful backup and recovery and ability to recover the databases after a simulated crash.

### 9. Advanced Solaris Commands for NISP ICC System Admins

a. Identify Coredumps and Crashdumps, analyse the issues and work with the appropriate Solaris tools.  
b. Mount external file systems, decide on permission issues, modify and edit the respective configuration files.  
c. Apply the crontab routines, use the SSH tools and ability to perform remote logins to maintain clients and servers.

## Qualification

Combined NISP ICC System Administrator (CNIC)

## Student Criteria

The students do not require any formal background. This Combined NISP ICC System

Administrator Course is based on learning by doing. Assessment of whether the student has reached the training objectives is performed in an active dialog between student and instructor, mainly during the practical exercises and labs, and by the student performing a multiple choice test.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

All Ranks and Grades, CIV

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

N/A

## Prerequisite Course

N/A

## Value Notes

CAT C: Prepaid for NCS through AMDC2 POW; pricing applied to seats and MTTs for units outside NCS (if available)

# Windows ICC System Administrator (WICC)

Course ID

A1001

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 4

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

The aim of the course is to enable system administrators to install, maintain and troubleshoot a Windows Server with the ICC for Windows application, including the external elements ICCLink, MIMI, AlertServer, DBAdmin, Tomcat and WISI.

## Learning Objectives

Upon completion of the course, the qualified student will be able to do:

### 1. Installation of SPICE

Students perform the installation on a Windows 2008 platform

### 2. DB Admin Tool and Demo Database Management

- Students perform the installation of the Demo Database and familiarize themselves with the DB Admin Tool
- Students learn to create, copy, modify, delete Databases with the DB Admin Tool COSI License Installation and Troubleshooting
- Students are able to create the necessary files for the COSI license and are knowledgeable about the obtaining of the license

### 3. File Locations of Oracle XE, ICC Databases

Students familiarize themselves with the file locations and editing features of the SPICE application.

### 4. Backing up and Restoring of ICC Databases

Students apply the respective techniques to backup and restore databases within SPICE

### 5. Troubleshooting ICC Databases

Students learn to troubleshoot ICC Databases and get to know the different levels of error messages.

### 6. ICC Site Wide Configuration Editor and Configuration File Locations

Students are enabled to set up ICC site wide configuration, locate the configuration files and edit those files.

### 7. Tomcat Server Installation, ICCLink

installation, Replication and Troubleshooting Students configure the preinstalled Tomcat Server, create the administrator accounts for ICCLink and start a replication. They identify trouble areas and learn how to troubleshoot the installation.

### 8. Resolve Open Issues

Students are able to ask questions and work on unresolved issues.

9. Presentation of the Customer Service Desk Students learn how to request help, how the customer service desk is organized and where to find information.

## Qualification

Windows ICC System Administrator

## Student Criteria

The students do not require any formal background. This Windows-ICC System Administrator Course is based on learning by doing. Assessment of whether the student has reached the training objectives is performed in an active dialog between student and instructor, mainly during the practical exercises and labs, and by the student performing a multiple choice test.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

All Ranks and Grades, CIV

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

The students are required to have Windows and system admin experience

## Prerequisite Course

N/A

## Value Notes

CAT C: Prepaid for NCS through AMDC2 POW; pricing applied to seats and MTTs for units outside NCS (if available)

# ACCS System Manager

Course ID

A1002

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 4

Maximum Class Size: 8

Course Length (working days): 15

## Purpose of Course

The aim of the course is to enable personnel with limited pre-requisite training to be able to fulfil the duties of the ACCS System Manager. Moreover, at the end of the course the attendees will be able to manage the ACCS system by providing SL1 and SL2 support.

## Learning Objectives

Module 1: Introduction to ACCS  
 Module 2: ACCS High Level System Overview  
 Module 3: Redundancy  
 Module 4: Fundamental Knowledge  
 Module 5: ACCS System Environment  
 Module 6: System Manager Responsibilities  
 Module 7: Documentations and Information  
 Module 8: Voice Communications System  
 Module 9: Solaris Commands  
 Module 10: Operator Accounts  
 Module 11: Provisioning Manager  
 Module 12: Security Policies and Access Control  
 Module 13: Selang  
 Module 14: Cluster, Resources and Resource Groups  
 Module 15: Cluster Concepts  
 Module 16: Service Management  
 Module 17: Mission Planning Server Capabilities  
 Module 18: Mission Execution Capabilities  
 Module 19: Screen Remote Server  
 Module 20: Administration and Configuration Server  
 Module 21: Data Storage and Services Server  
 Module 22: Mission Planning Server  
 Module 23: Mission Execution Server  
 Module 24: Management Boards  
 Module 25: Hostnames & Aliases  
 Module 26: Time Server  
 Module 27: CRON  
 Module 28: Virtual Machines  
 Module 29: Startup and Shutdown  
 Module 30: ACCS Sentry Scripts  
 Module 31: ACCS Chat Capability  
 Module 32: Putty  
 Module 33: VSphere  
 Module 34: Active Directory  
 Module 35: Filezilla  
 Module 36: XMing  
 Module 37: Common Array Manager  
 Module 38: RAID  
 Module 39: Software Updates  
 Module 40: System Control  
 Module 41: Entity Management and Monitoring  
 Module 42: CISCO LMS  
 Module 43: Site Configuration

Module 44: Data Reduction  
 Module 45: Session Recording and Playback  
 Module 46: Simulation  
 Module 47: Data Distribution  
 Module 48: SonicMQ  
 Module 49: XOMail  
 Module 50: Weblogic  
 Module 51: GIS Updates  
 Module 52: Auditing  
 Module 53: Audit Database  
 Module 54: Backup and Recovery  
 Module 55: Tape Archive Libraries  
 Module 56: Fault Monitoring and Control  
 Module 57: Hardware Maintenance  
 Module 58: Firewall  
 Module 59: Log Files, Licenses and TILTS  
 Module 60: Troubleshooting

N/A

## Value Notes

CAT C: Prepaid for NCS through AMDC2 POW; pricing applied to seats and MTTs for units outside NCS (if available)

## Qualification

ACCS System Manager

## Student Criteria

The course consists of theory and practical training. Assessment of whether the student has reached the training objectives is performed in an active dialog between student and instructor, mainly during the practical exercises and labs, and by the student performing an end of course test.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

All Ranks and Grades, CIV

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

Unix Knowledge  
 System Administration Knowledge

## Prerequisite Course

# ACCS Security Officer

Course ID

# A1003

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 4

Maximum Class Size: 8

Course Length (working days): 5

## Purpose of Course

The aim of the course is to enable personnel with limited pre-requisite training to be able to fulfil the duties of the ACCS Security Officer.

## Learning Objectives

Module 1: Introduction to ACCS  
 Module 2: Fundamental Knowledge  
 Module 3: ACCS System Environment  
 Module 4: Security Officer Responsibilities  
 Module 5: IETM  
 Module 6: ACCS System Overview  
 Module 7: Solaris Commands  
 Module 8: Hostnames and Aliases  
 Module 9: LDAP  
 Module 10: Operator Accounts  
 Module 11: Provisioning Manager  
 Module 12: Active Directory  
 Module 13: Security Policies  
 Module 14: Selang  
 Module 15: Auditing and Monitoring  
 Module 16: Policy Manager  
 Module 17: Reporter Viewer  
 Module 18: Audit Database  
 Module 19: Backups  
 Module 20: Tape Archive Libraries  
 Module 21: Data Reduction  
 Module 22: Session Recording and Playback  
 Module 23: Firewall  
 Module 24: Voice Communications System  
 Module 25: ACCS Chat Capability

priorities.

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

Basic Unix

## Prerequisite Course

N/A

## Value Notes

CAT C: Prepaid for NCS through AMDC2 POW; pricing applied to seats and MTTs for units outside NCS (if available)

## Qualification

ACCS Security Officer

## Student Criteria

The course consists of theory and practical training. Assessment of whether the student has reached the training objectives is performed in an active dialog between student and instructor, mainly during the practical exercises and labs, and by the student performing an end of course test.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

All Ranks and Grades, CIV

## Special Instructions

If the course is oversubscribed SHAPE will set

# ACCS Communication Manager

Course ID

A1004

Remote Participation available: no

On Demand onsite delivery available: no

Location: Mobile Training Team

Minimum Class Size: 4

Maximum Class Size: 8

Course Length (working days): 10

## Purpose of Course

The aim of the course is to enable personnel with limited pre-requisite training to be able to fulfil the duties of the ACCS Communications Manager.

## Learning Objectives

Module 1: Introduction to ACCS  
 Module 2: IETM  
 Module 3: Coms Manager Role  
 Module 4: ACCS High Level System Overview  
 Module 5: SIDE  
 Module 6: Data Communications Equipment  
 Module 7: Link Interface Units  
 Module 8: Communications Security Equipment  
 Module 9: Radio Communications  
 Module 10: Voice Communications Equipment  
 Module 11: Operator Terminal Adaptor  
 Module 12: Voice Communications Facility  
 Module 13: Access Network Subsystem  
 Module 14: Radio Control Subsystem  
 Module 15: Telephone Network Subsystem  
 Module 16: Voice Management Subsystem  
 Module 17: Voice Record and Replay  
 Module 18: Data Communications Chain  
 Module 19: Communications Chains  
 Module 20: System Control and Management  
 Module 21: Site Management Application  
 Module 22: PGS  
 Module 23: Network Control Units  
 Module 24: Augmented CAOC  
 Module 25: Interface ACCS-L11  
 Module 26: Interface ACCS-L16  
 Module 27: Maintenance Tasks  
 Module 28: Cisco Device Management

All Ranks and Grades,CIV

## Special Instructions

If the course is oversubscribed SHAPE will set priorities.

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

If the course is oversubscribed SHAPE will set priorities.

## Prerequisite Course

N/A

## Value Notes

CAT C: Prepaid for NCS through AMDC2 POW; pricing applied to seats and MTTs for units outside NCS (if available)

## Qualification

ACCS Communication Manager

## Student Criteria

The course consists of theory and practical training. Assessment of whether the student has reached the training objectives is performed in an active dialog between student and instructor, mainly during the practical exercises and labs, and by the student performing an end of course test.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

# NISP System Administrator (NISP)

Course ID

A1006

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 4

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

The aim of the course is to enable personnel with little or no experience to install, maintain and modify a Solaris 11 System with a basic Solaris 11 installation and a set of administrator tools, the product being called NISP 4.1.X.

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

1. NISP Overview
  - a. NISP as an individual product and platform for NPC applications.
  - b. Explanation of the new naming service LDAP.
  - c. Explanation of RBAC.
  - d. Hardware issues such as USB sticks
- Installation:
  - i. Pre-Installation issues.
  - ii. Hardware restrictions.
  - iii. Explain Package with Bootable DVD.
  - iv. Migration recommendations.
  - e. Where to find SIP and SAM.
  - f. JAVA is no longer included in NISP, but is included in the individual application packages.
  - g. Improvements to SIP and SAM
  - h. Installation of the system with the bootable DVD.
2. Hardware
 

Learning about the hardware restrictions and the recommended hardware setups.
3. Basic Solaris Knowledge
  - a. Learn the basic Solaris commands, the file and folder structure and execute commands on the command line.
  - b. Login options, explain manpage search, structure of file manager, mounting of media.
4. User Management
 

Create users and administrator accounts, delete and modify the accounts and give privileges.
5. NISP Scripts and Tools
  - a. Show examples of the RBAC
  - b. Login of admin in shell
  - c. Call up a nested session
  - d. Call up Supershell
  - e. Execute some commands in the Supershell.
6. Advanced Administration and Troubleshooting
  - a. How to set up a printer in NISP 4.1.X
  - b. First Aid when Things go wrong

- c. Mail Server Setup in NISP 4.1.X
- d. Backup of NISP 4.1.0
- e. Backup of other files
- f. Creation of a Flash Archive of the system.
- g. Restore the backups according to SIP and SAM.

7. Jumpstart
 

Exercise the Jumpstart procedure with X86 clients.

8. Security
  - a. Learn about the security system and implement this on the systems.
  - b. Features of the new security setup and impacts to the system.

9. SSH
 

Execute commands of SSH and learn about the advantages of this security tool.

## Qualification

NISP System Administrator.

## Student Criteria

The students do not require any formal background. This System Administrator Course is based on learning by doing. Assessment of whether the student has reached the training objectives is performed in an active dialog between student and instructor, mainly during the practical exercises and labs, and by the student performing a multiple choice test.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

All Ranks and Grades, CIV

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

N/A

## Prerequisite Course

N/A

## Value Notes

CAT C: Prepaid for NCS through AMDC2 POW; pricing applied to seats and MTTs for units outside NCS (if available)

# JTS/FAST System Administrator (JTS)

Course ID

A1007

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 4

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

The aim of the course is to enable personnel with little or no experience to install, maintain and modify a JTS/FAST application on a WINDOWS or SOLARIS operating system, the product being called JTS/FAST 4.1.x. The course explains the process of installing and configuring the product and includes case studies that address which configuration settings are optional for a variety of customer needs as well as troubleshooting exercises.

## Learning Objectives

1. Installation of JTS Server 4.1.0
  - a. Server configuration
  - b. System Specifics
2. Installation of the DB Admin Tool
  - a. Database Management
  - b. Files and directories in JTS
  - c. Setting up different database environments
  - d. Backing up Databases and files.
3. Installation of JTS Client 4.1.0
  - a. Settings for users
  - b. Site Wide Settings
4. Installation of JTS 4.1.1 upgrade
  - a. Installation JTS 4.1.1 version locally
  - b. Installation of JTS 4.1.1 in a Mixed configuration
  - c. Installation of JTS 4.1.1 in a Shared configuration
5. Installation of FAST
  - a. Installation of FAST 4.1.0
  - b. Upgrading to FAST 4.1.1
  - c. Settings of FAST
6. Overview of JTS/FAST tools (Alertserver, MIMI, WISI)

3232

## Rank/Grade

All Ranks and Grades,CIV

## Special Instructions

The course is a standalone course which has no specific requirements. However, some experience with Windows or Oracle Server and knowledge about database management are highly desirable.

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

Applicants for the JTS/FAST course do not need to have extensive administration experience in Unix, Solaris and Oracle, although this knowledge would be desirable.

## Prerequisite Course

N/A

## Value Notes

CAT C: Prepaid for NCS through AMDC2 POW; pricing applied to seats and MTTs for units outside NCS (if available)

## Qualification

JTS/FAST System Administrator (JTS)

## Student Criteria

The students do not require any formal background. This JTS/FAST System Administrator Course is based on learning by doing. Assessment of whether the student has reached the training objectives is performed in an active dialog between student and instructor, mainly during the practical exercises and labs, and by the student performing a multiple choice test.

## Language Proficiency

In accordance with STANAG 6001: English SLP



# ACCS-ICC interface Administration (ACCS-ICC)

Course ID

A1008

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 4

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

The aim of the course is to enable site system administrators to install, maintain, troubleshoot and recover an ACCS/ICC Interface (usually mentioned as XOMail Gateway), composed with 2 Windows 2008R2 Servers hosting respectively XOMAIL THALES Norway Software and Exchange Server 2007.

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

1. Introduction of ACCS/ICC Interface  
Students will learn the main mechanisms of the interface.
2. XOMail Server/Client Installation and Administration  
Students will learn how to install the XOMail THALES Norway software on Windows 2008 Server
3. XOMail Basic knowledge  
Students will learn the minimum to know on XOMail
4. XOMail Basic configuration and Tests
  - a. Students will configure (based on their site configuration) basic settings to make simple tests.
  - b. Backup/Restore XOMail running configurations will be learnt as part of the exercises.
5. Exchange Server Installation  
Students will install Exchange Server
6. Configuration of Connectors in Exchange Servers  
Students will learn how to configure Exchange Server to communicate with XOMail GW
7. Basic Mail Exercises  
Students will exercise to exchange different type of messages
8. Configuration of XOMail to communicate with Exchange Server  
Students will learn how to configure XOMail GW to communicate in SMTP with Exchange Server
9. X.400/SMTP Messages Exercises  
Students will exercise their configuration sending mail From/To XOMail GW To/From Exchange Server

## 10. Troubleshooting Exercises

Students will face most common configuration errors between XOMail GW and Exchange Server and will learn how to solve them. Furthermore, they will learn how to backup and restore an TNOR GW.

## 11. Message Handling in ACCS

Students will have a short introduction on how ACCS manages Messages

## 12. ACCS XOMail Specific

Students will learn how their own ACCS site will be

## 13. ACCS XOMail to XOMail GW

Communication  
Students will configure the communication between ACCS and the ACCS/ICC Interface

## 14. ACCS to Exchange Server configuration

Students will configure the configuration between ACCS and Exchange Server

## 15. Troubleshooting

Students will learn how to debug typical configuration problems and how to build installation images to perform a complete regression from scratch.

## 16. MIMI Configuration (Technical Aspect)

- a. Students will learn how to enable the communication between Exchange Server and ICC (MIMI) - MIMI Configuration (Operational Aspect)
- b. Students will learn how to enable the communication between Exchange Server and ICC (MIMI) - ACCS / ICC Messages Exchanges
- c. Students will make working the End-to-End dialogs between ACCS and ICC and learn how to prepare basic set of messages to be used on site for improve communication between ACCS and ICC Troubleshooting
- d. Students will learn how to debug typical configuration problems. This will be the end-to-end troubleshoot session, covering the entire path between both systems in both directions.

## Qualification

ACCS-ICC Interface Administrator (AICC)

## Student Criteria

The students do not require any formal background. This Course is based on learning by doing. Assessment of whether the

student has reached the training objectives is performed in an active dialog between student and instructor, mainly during the practical exercises and labs, and by the student performing a multiple choice test.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

All Ranks and Grades, CIV

## Special Instructions

N/A

## Security Clearance

COSMIC TOP SECRET (CTS)

## Pre-Course Study Material

N/A

## Background

N/A

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

# ASIM System Administrator (ASIM)

Course ID

A1010

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 4

Maximum Class Size: 12

Course Length (working days): 3

## Purpose of Course

The aim of the course is to enable personnel with little or no experience to install, maintain and modify a Solaris 11 system with a basic Solaris 11 installation and a set of administrator tools, the product being called NISP (latest version), and to install, maintain and modify an ASIM Server, the product being called ASIM (latest version).

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

1. NISP (latest version) Familiarization
  - Gain knowledge of specific NISP commands, tools, structures, and directories. Be able to perform basic administrative tasks on a NISP server.
2. Server Installation
  - Gain knowledge of ASIM Server and tasks. Be able to perform a fresh installation of ASIM on NISP with a check of the installation in accordance with SIP.
3. Server Configuration
  - Know the location of the ASIM (latest version) configuration files and how to configure them.
4. Server Logging
  - Get knowledge of the ASIM (latest version) log files location and how to read them.

## Qualification

ASIM System Administrator

## Student Criteria

The students do not require any formal background. This Course is based on learning by doing. Assessment of whether the student has reached the training objectives is performed in an active dialog between student and instructor, mainly during the practical exercises and labs, and by the student performing a multiple choice test.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

All Ranks and Grades, CIV

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

N/A

## Prerequisite Course

N/A

## Value Notes

CAT C: Prepaid for NCS through AMDC2 POW; pricing applied to seats and MTTs for units outside NCS (if available)

# MASE - MICE CONSOLE MIGRATION (MMC)

Course ID

A1011

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 4

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

The aim of the course is to enable personnel both with little or no experience and experienced on how to operate with the new MICE console. The course will compare how air operations are performed both in the old MASE console and the new MICE console. However this course is not:

- an introductory course on how to perform air operations (no theory is being taught);
- a system administration course of the MASE server;
- a CSI course.

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

Overview MICE as an individual product.  
The need to develop MICE to support modern NATO air defence needs.  
Installation  
Pre-Installation issues  
Hardware restrictions  
Where to find SIP and SUM  
JAVA installation  
MICE specific properties in the MASE configuration files  
Installation on Windows  
Installation on Solaris  
Overview, Start-up error messages and logging levels  
PPI (primary and secondary)  
Map actions (zoom, pan, cut-off scale, bearing and range, geographical search, etc.)  
Toolbars (location, position, symbols, memory)  
Layer control, actions and layers (VMaps etc.)  
User Profiles and their management  
Alerts  
Alerts display, types of alerts, priorities and actions  
Surveillance (Track Production and sub modes)  
Identification  
Tracking and Jam Tracking  
Mode dependent switch actions  
Mode independent switch actions  
Plots and Tracks  
Display of plots and history plots.  
Types of plots (SR, SSR, SRR, Strokes).  
Sel coloring  
Options and labels  
Display of tracks and history tracks.  
Types of tracks (Air, Surface etc.), symbology.  
Properties, totes.  
Display of PPLIs and history PPLIs.  
Properties.  
Sel coloring.  
Options and labels  
MASE Areas

MASE Areas toolbox  
AEGIS Areas (AOIs, VOIs, TPAs, OTAs etc.)  
Radars  
Create/modify/delete a radar mask  
Load and save a radar mask  
Radar control (accept/reject plots, radar alignment)  
Radar coverage  
Flight plans  
Flight plan list window  
Flight plan details window  
Actions (create, modify, delete, search/filter flight plans, correlation/decorrelation etc.)  
Flight plan rules  
Weapons  
Bases  
Bases assets  
Interceptors  
Multi-Reference points (bulls eyes)  
Close control interception (Classification: Restricted)  
Backing up Databases and files

## Qualification

MASE - MICE CONSOLE MIGRATION (MMC)  
User

## Student Criteria

Applicants for the MASE to MICE console migration course do need to have basic operational knowledge but it is not necessary to have knowledge about how the old MASE console works although this knowledge would be desirable to compare the two consoles. This way both experienced and inexperienced operators will benefit from the course. In case of more applicants than course seats SHAPE through Chairman ASC SC-1 will set priorities.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

All Ranks and Grades, CIV

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

N/A

## Prerequisite Course

N/A

## Value Notes

CAT C: Prepaid for NCS through AMDC2 POW; pricing applied to seats and MTTs for units outside NCS (if available)

## NIRIS SYSTEM ADMINISTRATOR (NIR)

Course ID

A1012

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 4

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

The aim of the NIRIS System Administration Course is to equip System Administrators with the knowledge and skills required for successful implementation and support of the NIRIS technology. The course explains the process of installing and configuring the product and includes case studies that address which configuration settings are optional for a variety of customer needs as well as troubleshooting exercises.

## Learning Objectives

1. Server Installation:
  - a. Gain knowledge of NIRIS Server and available managers.
  - b. Be able to perform a fresh installation of the latest version of NIRIS on the latest version of NISP, with a check of the installation in accordance with SIP.
2. Server Configuration:
 

Know the location of the NIRIS Server configuration files and how to configure them.
3. NIRIS User Management WAN GUI:
 

Know how to use Useradmin GUI to configure users for the WAN GUI and get to know the WAN GUI (Structure/NIRIS managers/users).
4. NIRIS Server Logging:
 

Get knowledge of the NIRIS log files location and how to set up logging within the WAN GUI.
5. Tactical Data Links and Link Dialects :
  - a. Know different Tactical Data Links (TDLs).
  - b. Identify possible link dialects for SPM / NPM configuration.
6. Network Port Manager (NPM):
 

Identify purpose of and configure the Network Port Manager (NPM).
7. PubSub Manager, JREAP, OANT and SMACQ :
 

Installation, configuration and use.

## Qualification

NIRIS System Administrator.

## Student Criteria

The students do not require any formal background. This NIRIS System Administrator Course is based on learning by doing.

## Language Proficiency

In accordance with STANAG 6001: English SLP

3232

## Rank/Grade

All Ranks and Grades,CIV

## Special Instructions

Assessment of whether the student has reached the training objectives is performed in an active dialog between student and instructor, mainly during the practical exercises and labs, and by the student performing a multiple choice test.

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

Solaris/NISP experience. Knowledge on air operation is desirable.

## Prerequisite Course

N/A

## Value Notes

CAT C: Prepaid for NCS through AMDC2 POW; pricing applied to seats and MTTs for units outside NCS (if available)

## AirC2IS User

Course ID

A1013

Remote Participation available: no

On Demand onsite delivery available: no

Location: The Hague (NLD)

Minimum Class Size: 4

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

To provide military and civilian personnel with knowledge and basic skills to use and manage the AirC2IS service. However this course is not:

- an introductory course on how to perform air operations (no theory is being taught);
- a system administration course of the AirC2IS server;
- a CSI course.

## Learning Objectives

Upon the completion of the course, the qualified student will get familiar with AirC2IS functionality and its capabilities. The student will be able to;

- Contribute to ORBAT development,
- Execute TBMD Planning,
- Contribute to the AOD Production,
- Maintain AirC2 situational awareness,
- Contribute to the development of the OPFORBMDCOA,
- Manage Air Logistics Support,
- Contribute to CONOPs management,
- Contribute to the support and maintenance concept of AirC2IS,
- Contribute to the AirC2IS Database and Portal Management.

## Qualification

AirC2IS User

## Student Criteria

The student should be serving on one of the following positions:

- AirC2IS End User
- AirC2IS Data Manager
- AirC2IS IKM
- AirC2IS System Administrator
- AirC2IS Service O&M Staff

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

All Ranks and Grades, CIV

## Special Instructions

N/A

## Security Clearance

NATO RESTRICTED (NR)

## Pre-Course Study Material

Computer Based Training (CBT) and course material available on site AirC2IS Portal Help Centre.

## Background

Knowledge and basic skills on how to perform air operations.

Computer skills: Microsoft Office Package (Word, Excel, PowerPoint), Microsoft Outlook, Web Browser, MS Windows

## Prerequisite Course

N/A

## Value Notes

CAT C: Prepaid for NCS through AMDC2 POW; pricing applied to seats and MTTs for units outside NCS (if available)

## AirC2IS System Administrator

Course ID

A1014

Remote Participation available: no

On Demand onsite delivery available: no

Location: The Hague (NLD)

Minimum Class Size: 5

Maximum Class Size: 12

Course Length (working days): 3

## Purpose of Course

Upon the completion of the course, the qualified student will get familiar with AirC2IS System Management Tools and their capabilities.

## Learning Objectives

- AirC2IS System Overview
- AirC2IS Support Concept
- Introduction to AirC2IS Service Management
- AirC2IS Sys Admin Roles and Responsibilities
- AirC2IS IKM Roles and Responsibilities
- AirC2IS DM Roles and Responsibilities
- Level 0 Service Management
- Level 0 Service Management Tools
- Level 1 Service Management
- Level 1 Service Management Tools
- Level 2 Service Management
- Level 2 Service Management Tools
- Level 3 Service Management
- Level 3 Service Management Tools

## Qualification

AirC2IS System Administrator

## Student Criteria

The student should be serving on one of the following positions:

- AirC2IS System Administrator
- AirC2IS Service O&M Staff (Level 1, Level 2 or Level 3)

The student must be assigned to NCI Agency CSU, site CIS support team in an HQ fielded with AirC2IS or member of AirC2IS Service Support Level.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

All Ranks and Grades, CIV

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

Computer Based Training (CBT) and course material available on site AirC2IS Portal Help

Centre.

## Background

Following IT skills are recommended:  
 Microsoft SharePoint 2010 Administration and Usage,  
 Microsoft BizTalk 2010 Administration and Usage,  
 Microsoft SQL Server 2008 R2 Administration and Usage,  
 Apache Tomcat Application Server, ESRI  
 Software ArcGIS Server 1  
 HyperV Virtualization Software  
 VMWare Virtualization Software  
 IT Network  
 Knowledge of the NATO FASs (e.g. ICC, JChat, JTS, SEW, NIRIS, NCOP)  
 MS TFS

## Prerequisite Course

N/A

## Value Notes

CAT C: Prepaid for NCS through AMDC2 POW; pricing applied to seats and MTTs for units outside NCS (if available)

## Integrated Training Capability (ITC) Technical Control Officer (TCO)

Course ID

A1015

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 4

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

The Integrated Training Capability (ITC) Technical Control Officer (TCO) is a crucial position in ITC driven exercises. The Course is intended to provide in-depth knowledge on ITC TCO tasks. The Course intends to train students on how to operate, configure and prepare ITC and the underlying simulation FLAMES for exercises.

## Learning Objectives

The course will provide detailed insight into the relation between ICC, ITC, COSI, NIRIS, ORACLE and FLAMES. It will go in-depth into the internals on how ITC operates, how the ITC data relates to the ICC data, how data is transferred from ICC to ITC to FLAMES. The course will explain the specifics on configuring NIRIS for ITC tactical datalink feeds. The course will explain how to operate the FLAMES tools, FORGE, FLASH, FIRE and MSC. It will touch briefly on the other FLAMES tools. The course will explain in detail the relation between the models in FLAMES. The course will touch on the way Oracle and COSI operate and how to configure them. The course will explain which communication protocols are used between ICC, ITC, FLAMES and NIRIS. Furthermore, the course will explain how ITC is used in exercises. Explains the tasks of the TCO as well as the tasks of the other ITC response cell operators.

## Qualification

Integrated Training Capability (ITC) Technical Control Officer (TCO)

## Student Criteria

The ITC TCO training will initiate the knowledge to perform the tasks. A lot of information will transfer from the trainer to the trainee and it will require hands on after the training to ensure trained knowledge is not lost. In practice it turns out that the TCO tasks are complex and require multiyear experience to achieve expert level. It is recommended that TCOs are on a post for a longer time than the normal NATO rotation. The students are required to know about:

- ICC
- COSI
- NIRIS
- ORACLE
- Air Command and Control Operations

## Language Proficiency

In accordance with STANAG 6001: English SLP

3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

None

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

It is recommended that the trainees have conducted the ICC SysAdmin course or have enough practical experience to compensate for the course. Knowledge of Oracle database administration and NIRIS administration is also recommended.

## Prerequisite Course

Combined NISP ICC System Administrator (CNIC), Windows ICC System Administrator (WICC)

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)



# ACCS Data Manager

Course ID

A1016

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 4

Maximum Class Size: 8

Course Length (working days): 5

## Purpose of Course

The aim of the course is to enable personnel with limited pre-requisite training to be able to fulfil the duties of the ACCS Data Manager.

N/A

## Security Clearance

NATO RESTRICTED (NR)

## Learning Objectives

- Have a good understanding of the initial data population of ACCS, the scope and role of the Master Data Repository maintained by NCI Agency, the data model of ACCS initial data population templates;
- Be able to identify types of database changes and for static data they should be able to correctly formulate Data Change Proposals (DCPs);
- Be able to import, export and manage database dumps and effectively keep track of the relevant information related to the ACCS database;
- Be able to audit database changes and update the ACCS database, with the understanding of the appropriate circumstances in which it should be done and the risks that database changes entail;
- Be able to actively participate in the update of aeronautical data or other types of static data in collaboration with Level II support teams;
- Be able to review and follow database changes;
- Have a good understanding of data update and exchange mechanism provided by ACCS.

## Pre-Course Study Material

N/A

## Background

UNIX.

Knowledge of RDBMS and Oracle desirable.

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Qualification

ACCS Database Manager

## Student Criteria

The ACCS System Manager Course is not necessarily linked to other NCI Academy Courses.

The ACCS Data Manager course for the baseline LOC1 is a single standalone course.

The ACCS Data Manager Course is not a prerequisite but can help the student to better understand some aspect of ACCS database management.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

All Ranks and Grades, CIV

## Special Instructions

## SSSB Operator

Course ID

A1017

Remote Participation available: no

On Demand onsite delivery available: no

Location: The Hague (NLD)

Minimum Class Size: 4

Maximum Class Size: 10

Course Length (working days): 5

## Purpose of Course

The aim of the course is to enable personnel with a minimum background in the field of air defence to operate effectively the Ship-Shore-Ship Buffer system.

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

N/A

## Learning Objectives

- Introduction to Tactical Data Links (TDL)
- Introduction to Radio Broadcasting for TDL
- SSSB Site Locations (Buffer Centres and Radio Sites)
- Link 1 Operations
- Link 11 Operations
- Link 11 DTS
- Reference to Optask Link Message
- Introduction to SSSB
- Example of Operational Scenario
- Standard System Procedures
- System Architecture
- SSSB Console Framework
- Links Plugin
- Alerts Plugin
- DX Plugin
- Freetext Plugin
- GeoDisplay Plugin
- Filters and Filters Plugin
- Track Information
- Scripting Plugin (Basics)
- Caronte

## Prerequisite Course

N/A

## Value Notes

CAT E: Prepaid for specific audiences through other contracts

## Qualification

SSSB Operator

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

All Ranks and Grades

## Special Instructions

The course has a 50% ratio of theory and hands-on. At the end of the course the students will be submitted to an exam, hands-on and books open.

## Security Clearance

## SSSB Technicians Administrator

Course ID

A1018

Remote Participation available: no

On Demand onsite delivery available: no

Location: The Hague (NLD)

Minimum Class Size: 4

Maximum Class Size: 10

Course Length (working days): 5

## Purpose of Course

The aim of the course is to enable site technicians to effectively install, configure and troubleshoot a SSSB installation.

## Learning Objectives

- Course Introduction
- Fundamental Concepts
- SSSB Administration tasks
- Basic Tactical Data Links
- Basic GeoDisplay E7
- Console Configuration and Environmental Variables

## Qualification

SSSB Technician/Administrator

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

The course has a 50% ratio of theory and hands-on. At the end of the course the students will be submitted to an exam, hands-on and books open.

## Background

N/A

## Prerequisite Course

N/A

## Value Notes

CAT E: Prepaid for specific audiences through other contracts

## SSSB Train the Trainers

Course ID

A1019

Remote Participation available: no

On Demand onsite delivery available: no

Location: The Hague (NLD)

Minimum Class Size: 4

Maximum Class Size: 10

Course Length (working days): 5

## Purpose of Course

The aim of the course is to enable National instructors to install a SSSB Training classroom and to be able to teach the SSSB Operators Course and the SSSB Technicians/Administrators Course

## Prerequisite Course

N/A

## Value Notes

CAT E: Prepaid for specific audiences through other contracts

## Learning Objectives

- Course Introduction
- Training System installation on VirtualBox
- Training Laptop installation
- Training System installation on Linux
- SSSB Buffer Operational Server startup and configuration
- Scripting
- Scenario Generator
- Building your own simulated environment
- Serial Devices
- Hard Disk cleanup
- Local - Remote Training
- BOS Web Services E9

## Qualification

Certificate of attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

All Ranks and Grades

## Special Instructions

The course has a 50% ratio of theory and hands-on.

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

Basic Unix/Linux and MS Windows administration, command line interface

## Link 11

Course ID

A1020

Remote Participation available: no

On Demand onsite delivery available: no

Location: The Hague (NLD)

Minimum Class Size: 4

Maximum Class Size: 10

Course Length (working days): 3

## Purpose of Course

The Course is a comprehensive introduction to Link 11 with live examples

## Learning Objectives

- Introduction to Tactical Data Links (TDL)
- Introduction to Radio Broadcasting for TDL
- Basic Link Diagrams
- Link 11 Operations
- Link 11 Data Flow
- Net Cycle Time
- Link 11 Fault Finding

## Qualification

Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

N/A

## Prerequisite Course

N/A

## Value Notes

CAT E: Prepaid for specific audiences through other contracts

## Link 22

Course ID

A1021

Remote Participation available: no

On Demand onsite delivery available: no

Location: The Hague (NLD)

Minimum Class Size: 4

Maximum Class Size: 10

Course Length (working days): 3

## Purpose of Course

The Course is a comprehensive introduction to Link 22 with live examples using the SSSB Cloud 22 product (in the official list of NILE Test tools)

other contracts

## Learning Objectives

- Intro to Link 22
- System Components
- SNC-LLC-SPC Conversation
- Link 22 Network concepts
- Network Initialization
- Message Data Standards
- Day of Week, Net Cycle Structure and Optask Link Message
- Bandwidth Considerations
- Testing and training with Cloud 22 urse)-

Practical Session (this will be given across several parts of the cor

## Qualification

Certificate of attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

All Ranks and Grades

## Special Instructions

The course has both theory and live demos.

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

N/A

## Prerequisite Course

N/A

## Value Notes

CAT E: Prepaid for specific audiences through

# Open System Communication Control Administrator

Course ID

A1023

Remote Participation available: no

On Demand onsite delivery available: no

Location: The Hague (NLD)

Minimum Class Size: 4

Maximum Class Size: 10

Course Length (working days): 3

## Purpose of Course

The course enables a communication technician or a SSSB administrator to install and configure a control solution for SSSB communication equipment.

other contracts

## Learning Objectives

- OSCC Overview
- Confidence
- Bundles
- Servers
- Guis
- Applications
- Simulators
- Hands-on

## Qualification

Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

All Ranks and Grades

## Special Instructions

The course has both theory and hands-on practice. Depending on the location, a mixture of simulated and live devices can be integrated in the configurations.

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

N/A

## Prerequisite Course

N/A

## Value Notes

CAT E: Prepaid for specific audiences through



SSSB Scripting Course (Basic and Advanced)			Course ID
			A1024
Remote Participation available: no	On Demand onsite delivery available: no	Location: The Hague (NLD)	
Minimum Class Size: 1	Maximum Class Size: 50	Course Length (working days): 5	

#### Purpose of Course

System Administrators, Trainers, Testers and TDL planners can achieve a deep knowledge of the SSSB Scripting language and of the SSSB capabilities

#### Learning Objectives

- Scripting Intro
- Scripting Plugin
- XML Basics
- Script Symbols
- Commands vs Directives
- Locations (positions) and calculations
- Areas
- Bos Devices
- Input Menus
- BOS Link Channels
- Recording
- Bos Sites and Units
- Link 1 Objects
- Link 11 Objects
- Filters
- Control Structures : if
- Control Structures : for
- Control Structures : where
- Control Structures : while .. testing (A)
- Control Structures : test (A)
- Control Structures : try .. catch (A)
- Alerts (A)
- Functions (A)
- Signals (A)
- Timers (A)
- BOS Cloud (A)
- Practice sessions 1, 2 and 3

#### Security Clearance

NATO UNCLASSIFIED (NU)

#### Pre-Course Study Material

N/A

#### Background

N/A

#### Prerequisite Course

N/A

#### Value Notes

CAT E: Prepaid for specific audiences through other contracts

#### Qualification

Certificate of attendance

#### Student Criteria

N/A

#### Language Proficiency

In accordance with STANAG 6001: English SLP 3232

#### Rank/Grade

All Ranks and Grades

#### Special Instructions

The course has both theory and hands-on practice. Basic course is 3 days, advanced 2 days, they are often given together.

# Situational Awareness with AirC2IS

Course ID

A1025

Remote Participation available: no

On Demand onsite delivery available: no

Location: The Hague (NLD)

Minimum Class Size: 5

Maximum Class Size: 10

Course Length (working days): 2

## Purpose of Course

To provide trainees with knowledge and basic skills to use and manage the AirC2IS for AirC2 and TBM situational awareness.

## Learning Objectives

The learning objectives of the training are as follows:

- Display Tactical Information
- Display Tactical Information
- Configure Tactical Information on C2 Tree and interact with the Map
- Operate on C2 Tree View
- Interact with the Map
- Use Track Tote and Track Filter
- Use Track Tote and Track Filter
- Monitor TBM
- Monitor TBM
- Correlate ATO with Tracks
- Correlate ATO with Tracks
- Record and Replay Tracks
- Record and Replay Tracks

- Situational Awareness Presentation material for trainers
- Tactical Information Display Software User Manual
- Tactical Information Display Quick User Guide
- Tactical Information Display Computer Based Training
- Tactical Information Display Online Help
- Map Software User Manual
- Map Quick User Guide
- Map Online Help

## Background

Following skills are recommended:

- Knowledge of the NATO FASs (e.g. ICC, JChat, JTS, SEW, NIRIS, NCOP).
- Computer skills: Microsoft Office Package (Word, Excel, PowerPoint), Microsoft Outlook, Web Browser, MS Windows.
- AirC2IS User Course preferred

## Prerequisite Course

N/A

## Qualification

The training is for staff in Air Plans-Airspace; Air Ops-Mission Monitor, TBM Monitor, and IKM.

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Student Criteria

The student must be assigned to a NATO HQ/ Entity fielded with AirC2IS.

## Language Proficiency

In accordance with STANAG 6001: English SLP 2222

## Rank/Grade

All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO SECRET (NS)

## Pre-Course Study Material

The following materials are provided as part of the this course in addition to workstations with AirC2IS connection:

- Situational Awareness Syllabus for trainers
- Situational Awareness Presentation material for trainees

# Portal and Data Management of AirC2IS

Course ID

A1026

Remote Participation available: no

On Demand onsite delivery available: no

Location: The Hague (NLD)

Minimum Class Size: 5

Maximum Class Size: 10

Course Length (working days): 3

## Purpose of Course

To provide trainees with skills to manage the Information Portal and perform Data Management tasks of AirC2IS Bi-SC AIS Functional Area Service (FAS).

## Learning Objectives

The learning objectives of the training are as follows:

### Manage Information Portal

- o Configure the HQ Portal using the AIP
- o Configure the Mission Portal using the AIP
- o Create a New Site in Mission Portal using the AIP
- o Manage classification level in Mission Portal using the AIP

### Perform Data Management

- o Manage Mission using the Mission Manager in the System Management Application
- o Manage Users and Roles using the Users and Roles Screen in the System Management Application
- o Manage External Systems Configuration using the External System Configuration Screen in the System Management Application
- o Manage Notifications using the Notification Management Screen in the System Management Application
- o Manage System Wide Lookup Items using the System Wide Lookup Item Management Screen in the System Management Application
- o Monitor Logs using the Logs Screen in the System Management Application
- o Manage Replication using the Replication Manager in the System Management Application
- o Monitor System using the System Monitoring Screen in the System Management Application
- o Maintain Phases and Planning Periods using the Phase and Planning Period Manager in the Cockpit
- o Manage Mission Lookup Items using the Mission Lookups Screen
- o Manage Preferences using the Preferences Management Screen
- o Manage Deleted Items using the Deleted Items Screen
- o Manage Queries using the Query Manager in the Cockpit

- o Maintain Map Service using the Map Server

The training is for IKM and Data Managers.

## Qualification

The Trainees know the relevant NATO doctrine, the employment of air power and the Operational Planning Process.

## Student Criteria

The training is for IKM and Data Managers.

## Language Proficiency

In accordance with STANAG 6001: English SLP 2222

## Rank/Grade

All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO SECRET (NS)

## Pre-Course Study Material

The following materials are provided as part of the this course in addition to workstations with AirC2IS connection:

- Portal and Data Management of AirC2IS Course Syllabus for trainers
- Portal and Data Management Presentation for trainees
- Portal and Data Management Presentation for trainers
- AirC2 Information Portal Software User Manual
- AirC2 Information Portal Configuration Software User Manual
- AirC2 Information Portal Online Help
- AirC2 Information Portal Configuration Online Help
- Mission Portal Quick User Guide
- Mission Portal Configuration Quick User Guide
- AirC2IS Node Administration Manual
- AirC2IS Node Administration Quick User Guide
- Technical Manual
- Installation Guide
- SharePoint User Manual
- ESRI User Manual

## Background

Following skills are recommended:

- Knowledge of the NATO FASs (e.g. ICC, JChat, JTS, SEW, NIRIS, NCOP).
- Computer skills:
  - o Microsoft Office Package (Word, Excel, PowerPoint), Microsoft Outlook, Web Browser, MS Windows. Database Management.
- AirC2IS User Course preferred

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

# BMD Planning with AirC2IS

Course ID

A1027

Remote Participation available: no

On Demand onsite delivery available: no

Location: The Hague (NLD)

Minimum Class Size: 5

Maximum Class Size: 10

Course Length (working days): 3

## Purpose of Course

To provide trainees with skills to execute BMD planning using AirC2IS Bi-SC AIS Functional Area Service (FAS).

## Learning Objectives

The learning objectives of the training are as follows:

- Develop a PCAL with AirC2IS
  - o Create a New PCAL
  - o Evaluate and Prioritise Assets in the Draft PCALs
  - o Export, Submit and Approve the PCALs
- Produce a JPCAL with AirC2IS
  - o Merge PCALs
  - o Produce Draft JPCALs
  - o Export, Submit and Approve the JPCALs
- Produce Defence Design
  - o Retrieve Assets, Threats and Defence Resources
  - o Produce a Draft Defence Design
  - o Confirm Tasks
  - o Submit, Approve and Export Defence Design
- Assess a BMD Campaign
  - o Maintain the SAWREP
  - o Generate Reports

## Qualification

The Trainees know the relevant NATO doctrine, the employment of air power and the Operational Planning Process.

## Student Criteria

The training is for staff officers in Strat & Assessment-Long Term Planning; Air Intel-Targets, Collection Management, Assessment; BMDOC; JFAC; JDAWG.

## Language Proficiency

In accordance with STANAG 6001: English SLP 2222

## Rank/Grade

All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO SECRET (NS)

## Pre-Course Study Material

The following materials are provided as part of

the this course in addition to workstations with AirC2IS connection:

- TBMD Planning Syllabus for trainers
- TBMD Planning Presentation material for trainees
- TBMD Planning Presentation material for trainers
- TBMD Planning Software User Manual
- TBMD Planning Quick User Guide
- TBMD Planning Computer Based Training
- TBMD Planning Online Help
- C2 Operational Areas Software User Manual
- C2 Operational Areas Online Help
- C2 Operational Areas Quick User Guide

## Background

Following IT skills are recommended:

- Knowledge of the NATO FASs (e.g. ICC, JChat, JTS, SEW, NIRIS, NCOP)
- The trainees are familiar with Microsoft Office tools (as part of general computing skill requirement).
- AirC2IS User Course preferred

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## NIRIS SYSTEM ADMINISTRATOR UPDATE (NIR-UP)

Course ID

A1028

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Mobile Training Team

Minimum Class Size: 4

Maximum Class Size: 10

Course Length (working days): 2

## Purpose of Course

The aim of the NIRIS System Administration Update Course is to equip System Administrators with the knowledge and skills required for successful implementation and support of the NIRIS technology updates. The course explains the process of installing and configuring the upgrades of the product and includes specific studies that address which configuration settings are optional for a variety of customer needs.

## Learning Objectives

1. Server Installation:
  - a. Gain knowledge of NIRIS Server updates and available managers changes.
  - b. Be able to perform an upgrade of the latest version of NIRIS on the latest version of NISP, with a check of the installation in accordance with SIP.
2. Server Configuration:
 

Know the location of the NIRIS Server configuration files and how to configure them, according to the upgrade.
3. NIRIS User Management WAN GUI:
 

Know how to use updated Useradmin GUI to configure users for the WAN GUI and get to know the WAN GUI changes (Structure/NIRIS managers/users).
4. NIRIS Server Logging:
 

Get knowledge of the NIRIS log files updates.
5. Managers updates
 

Installation, configuration and use, according to the upgrades or updates of the system.

## Qualification

NIRIS System Administrator Update (certificate of attendance)

## Student Criteria

The students are to be posted on a NIRIS System Admin position

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

All Ranks and Grades, CIV

## Special Instructions

It is a theoretical course without any practical

exercises nor exam.

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

NIRIS System Administrator

## Prerequisite Course

NIRIS SYSTEM ADMINISTRATOR (NIR)

## Value Notes

CAT C: Prepaid for NCS through AMDC2 POW; pricing applied to seats and MTTs for units outside NCS (if available)

## SHAPE IM Foundation Course

Course ID

A2501

Remote Participation available: no

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 5

Maximum Class Size: 15

Course Length (working days): 2

## Purpose of Course

To provide newly posted military and civilian personnel (including Contractors) with knowledge and skills required to be able to use our Networks properly, know all about rules and regulations, and to be able to know where to get IT help. Use the primary content types within the NATO Information Portal (NIP). How to use Tasker Tracker +, and the Enterprise Document Management System. This course is specifically tailored to the SHAPE environment.

## Learning Objectives

- Apply the basic rules and regulations for NATO Networks according to IKM regulations.
- Know where and how to report Security incidents and how to register personal equipment.
- To Log On, Log Off, Change Passwords, Lock Workstation and Shut down.
- How to use the MFD (Multi-Functional Device), and how to connect to it.
- Handle Virus threats, and know where to report to.
- Use basic features within the MS-Outlook Inbox.
- Find IT information on the SHAPE Web Portals.
- Create content in the NIP (Articles, Events, POCs, Links).
- Use the Tasker Tracker Plus application
- Use the Enterprise Document Management System applications.

## Qualification

SHAPE Network User

## Student Criteria

The candidate must be assigned to a position within ACO. No background knowledge is needed.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

This is a Mandatory course for all SHAPE Newcomers. Course will be immediately requested by the SHAPE CIS Coordinators after

arrival of the newcomer.

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

The students must have basic computer skills including the use of a mouse and keyboard. The students must be familiar with the use of a graphical user interface (GUI) like windows.

## Prerequisite Course

N/A

## Value Notes

CAT B: Prepaid for SHAPE through SHAPE SLA; pricing applied to seats and MTTs for other units (if available)

## MS-Publisher 2016

Course ID

A2502

Remote Participation available: no

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 10

Maximum Class Size: 15

Course Length (working days): 1

## Purpose of Course

To provide military and civilian personnel with the knowledge and skills required to be able to use the Microsoft Publisher 2016 application with all important features, to build Newsletters, brochures, business cards, certificates and/or advertisements in a professional and efficient way.

N/A

## Value Notes

CAT B: Prepaid for SHAPE through SHAPE SLA; pricing applied to seats and MTTs for other units (if available)

## Learning Objectives

- Exploring MS-Publisher 2016 (interface, ribbon and open publication).
- Basic Publisher skills (frames, create new publication, redesign publication, setting up pages, publication views).
- Refining Publication (working with text, working with pictures, add building blocks, customize background, Master Page).
- Finishing Publication (Design Checker, check spelling, printing publication).
- Examples Build-In templates (brochures, business cards, award certificates etc.

## Qualification

MS-Publisher User

## Student Criteria

The candidate must be assigned to a position within ACO. No background knowledge is needed.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

The students must have basic computer skills including the use of a mouse and keyboard. The students must be familiar with the use of a graphical user interface (GUI) like windows.

## Prerequisite Course



## MS-SharePoint 2013 User

Course ID

A2518

Remote Participation available: no

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 10

Maximum Class Size: 15

Course Length (working days): 0.5

## Purpose of Course

To provide military and civilian personnel with the knowledge and skills required to be able to use the SharePoint 2013 site Libraries and Lists, and understand the possibilities within the SharePoint Sites.

This course is specifically tailored to the NATO environment.

The students must have basic computer skills including the use of a mouse and keyboard. The students must be familiar with the use of a graphical user interface (GUI) like windows.

## Prerequisite Course

N/A

## Learning Objectives

- Understand the SharePoint structure and how to use the sub-sites.
- Set up a Network Place using Windows 7.
- Use the available Libraries and upload and edit files within:
  - Asset Library (E170Different media files)
  - Document Library (single and multiple upload)
  - Picture Library (use all options within the library)
  - Report Library
- Use the Calendar-, Discussion Board-, Survey and Tasks Lists.

## Value Notes

CAT B: Prepaid for SHAPE through SHAPE SLA; pricing applied to seats and MTTs for other units (if available)

## Qualification

MS-SharePoint User

## Student Criteria

- Course attendees are those Staff members who need to work with SharePoint Libraries and Lists.
- A working knowledge of Microsoft Windows, Office and the Web is assumed.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

NIC A6,OF1,NIC B5,OR8,OF2,NIC A2,OR6,NIC A4,NIC B3,NIC A3,NIC B6,OR4,OR2,OF6,NIC A5,NIC B4,OR1,OF4,OR7,OF5,OR3,OR5,OF3,CIV,OR9

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

# MS-SharePoint 2013 Func Admin

Course ID

A2519

Remote Participation available: no

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 10

Maximum Class Size: 15

Course Length (working days): 2

## Purpose of Course

To provide military and civilian personnel, which have been tasked to act as the organizational SharePoint Functional Administrator, with the knowledge and skills required to be able to personalise and customize their responsible SharePoint Site areas based on specific criteria. This course is specifically tailored to the NATO environment.

## Learning Objectives

- Understand the basic SharePoint Technology.
- Create new Lists and Libraries and maintain them;
- Asset-, Document-, Picture-, and Report Libraries.
- Announcement-, Calendar-, Contacts-, Discussion Board-, Links-, Promoted Links-, Survey-, Tasks and Import Spreadsheet Lists.
- Create new Views available within Libraries and Lists.
- Adding and editing new Pages (WIKI pages).
- insert new and existing Web-parts.
- Manage permissions to a document, List, Library, WIKI page or Site.
- Use management tools to maintain the Site.

## Qualification

MS-SharePoint Functional Administrator

## Student Criteria

- Course attendees are those who work with, manage and deploy SharePoint sites within the NATO organisation, as well as those who intend to develop or manage SharePoint applications.
- A working knowledge of Microsoft Windows, Office and the Web is assumed.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

OR9,NIC A6,OF1,NIC B5,OR8,OF2,NIC A2,OR6,NIC A4,NIC B3,NIC A3,NIC B6,OR4,OR2,OF6,NIC A5,NIC B4,OR1,OF4,OR7,OF5,OR3,OR5,OF3,CIV

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

The students must have basic computer skills including the use of a mouse and keyboard. The students must be familiar with the use of a graphical user interface (GUI) like windows.

## Prerequisite Course

N/A

## Value Notes

CAT B: Prepaid for SHAPE through SHAPE SLA; pricing applied to seats and MTTs for other units (if available)

## MS-Windows 10 User

Course ID

A2522

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Mons (BEL)

Minimum Class Size: 10

Maximum Class Size: 15

Course Length (working days): 1

## Purpose of Course

To provide military and civilian personnel with the knowledge and skills required to be able to use the Microsoft Windows 10 Operating System in a good and efficient way.  
This course is specifically tailored to the NATO environment.

N/A

## Background

The students must have basic computer skills including the use of a mouse and keyboard.

## Learning Objectives

- Logon, Log Off, Shut Down, Lock workstation and change Passwords.
- Use the new Windows 10 Metro Screen, Charms, Tiles and Search.
- Use the Taskbar, Jump List Indicator, Windows Snap-Shake-Flip and Switch.
- Personalize Windows (Lock Screen, Start Screen, Themes, sounds, screensavers, and mouse settings).
- Use Windows 10 Apps: Photo App, Music App, Video App and others.
- Use the Windows 10 Explorer (Libraries, Search, Tag documents, Layout and navigation, organizing files and folders) in a good and efficient manner.
- Work with Programs (Windows Media Centre, Calculator and the Windows Photo Viewer).
- Tips for improving Windows 10

N/A

## Value Notes

CAT B: Prepaid for SHAPE through SHAPE SLA; pricing applied to seats and MTTs for other units (if available)

## Qualification

MS-Windows 10 User

## Student Criteria

- Course attendees are those Staff members who need to work with the Windows 10 Operating system.
- No background knowledge is needed.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

## SHAPE CIS Coordinators

Course ID

A2525

Remote Participation available: no

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 5

Maximum Class Size: 15

Course Length (working days): 1

## Purpose of Course

To provide newly posted military and civilian personnel, which have been tasked to act as the Divisional/NMR CIS Coordinator (CISC), with the knowledge and skills required to be able to perform his/her CISC duties properly. This is a Mandatory course for all CIS Coordinators. This course is specifically tailored to the NATO environment.

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Learning Objectives

- Understand the CIS-Coordinators responsibilities.
- Apply the basic rules and regulations for NATO Networks.
- Understand how to instruct their Staff members in saving locations (documents).
- Know where and how to report Security incidents and how to use the SecOps.
- Know where to get help for CISC related questions and/or tasks.
- Handle Change in Computer Configurations (Move, change, disposal of equipment).
- Know how to connect to printers and learn all about the MFD (Multi-Functional Devices).
- Request Service Request and/or Request Fulfilment, and using the IT Service Management Toolset (ITSM) for any request or change needed.
- Use the CIS Coordinators Web portal on the NS-SHAPE Web Portal.
- Know who to contact within the NCIA CSU Mons for questions related to Telephone, Computer/Network, Logistics and Information Security.
- Understand the MRAH (Memorandum Receipt Account Holder) duties and responsibilities.

## Background

The students must have basic computer skills including the use of a mouse and keyboard. The students must be familiar with the use of a graphical user interface (GUI) like windows.

## Prerequisite Course

N/A

## Value Notes

CAT B: Prepaid for SHAPE through SHAPE SLA; pricing applied to seats and MTTs for other units (if available)

## Qualification

SHAPE CIS Coordinator/POC

## Student Criteria

- The candidate must be assigned to a CISC position/task within ACO.
- No background knowledge is needed.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

# SHAPE CIS Introduction

Course ID

A2526

Remote Participation available: no

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 5

Maximum Class Size: 15

Course Length (working days): 0.5

## Purpose of Course

To provide newly posted military and civilian personnel (including Contractors) with knowledge and skills required to be able to use our Networks properly, know all about rules and regulations, and to be able to know where to get IT help. This course is specifically tailored to the NATO environment.

The students must have basic computer skills including the use of a mouse and keyboard. The students must be familiar with the use of a graphical user interface (GUI) like windows.

## Prerequisite Course

N/A

## Learning Objectives

- Apply the basic rules and regulations for NATO Networks.
- Know where and how to report Security incidents and how to register personal equipment.
- To Log On, Log Off, Change Passwords, Lock Workstation and Shut down.
- Connect to Network Printers and how to use the MFD (Multi-Functional Device).
- Handle Virus threats, and know where to report to.
- Use basic features within the MS-Outlook Inbox.
- Find IT (ADP) information on the different SHAPE Web Portals.
- Understand the purpose of the Tasker Tracker Plus and Electronic Document Management System applications.

## Value Notes

CAT B: Prepaid for SHAPE through SHAPE SLA; pricing applied to seats and MTTs for other units (if available)

## Qualification

SHAPE Network User

## Student Criteria

- The candidate must be assigned to a position within ACO.
- No background knowledge is needed.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

## MS-Excel 2016 User

Course ID

A2528

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Mons (BEL)

Minimum Class Size: 10

Maximum Class Size: 15

Course Length (working days): 1

## Purpose of Course

To provide military and civilian personnel with the knowledge and skills required to be able to use the Microsoft Excel 2016 application with all important features, to build Spreadsheets in a professional and efficient way. This course is specifically tailored to the NATO environment.

## Learning Objectives

- Explore Excel (Close, open, change view, use the new 2016 Ribbon)
- Use basic skills (create workbook and worksheets, understand new 2016 file format).
- Work with Ranges and using AutoFill, Auto Complete and Pick from drop Down list.
- Work with columns and rows (Width/Height, Hide & unhide, insert & delete).
- Format text and numbers (including currency-, percent and comma styles).
- Copy and move data.
- Formatting Cells and Tables.
- Use and set Conditional Formatting (Data bars, colour scales, Icon sets etc.).
- Format data as a Table using several Table styles.
- Create common formulas and use the Auto Calculate function.
- Trace Precedents and Quick Analysis Lens.
- Use the Page setup tab and how to print.
- Create Charts and configure the chart.
- Use the Sort and Auto filter tools.
- Do things quickly with new 2016 -Tell Me- feature.
- Use new 2016 Smart Lookup tool.

## Qualification

MS-Excel User

## Student Criteria

- Course attendees are those Staff members who need to work with MS-Excel 2016.
- No background knowledge is needed.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

The students must have basic computer skills including the use of a mouse and keyboard. The students must be familiar with the use of a graphical user interface (GUI) like windows.

## Prerequisite Course

N/A

## Value Notes

CAT B: Prepaid for SHAPE through SHAPE SLA; pricing applied to seats and MTTs for other units (if available)

## MS-Excel 2016 Advanced User

Course ID

A2529

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Mons (BEL)

Minimum Class Size: 10

Maximum Class Size: 15

Course Length (working days): 1

## Purpose of Course

To provide military and civilian personnel with the knowledge and skills required to be able to use the MS-Excel 2016 application using more advanced features.

This course is specifically tailored to the NATO environment.

## Learning Objectives

- Customize the Ribbon with new Tabs and functionalities.
- Create their own Custom Fill Series.
- insert and use features: o PivotTables & Pivot Charts o Power View o SmartArt o Sparkline-s o Hyperlinks o Textboxes, and symbols o 3D Map
- Use Page Layout Features (Background, Print Titles, Scale to fit, Arrange group).
- Use Name Manager (name cells and ranges, use name in formula).
- Use Data Validation tools and Flash Fill.
- Add/delete Comments.
- Protect the Workbook/sheet and use password protection.
- Use the Windows Group, arrange windows and view side by side and freeze panes
- Understand the File Tab (Backstage View), Version History, save as Pdf, Inspect document, Password protect, Mark as Final and use Office Theme and Background.
- Customize the Quick Access Toolbar.

## Qualification

MS-Excel Advanced User

## Student Criteria

- Course attendees are those Staff members who need to work with MS-Excel 2016.
- A working knowledge of Microsoft Excel 2016 (User level) is assumed.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

The students must have basic computer skills including the use of a mouse and keyboard. The students must be familiar with the MS-Excel 2016 User training subjects.

## Prerequisite Course

N/A

## Value Notes

CAT B: Prepaid for SHAPE through SHAPE SLA; pricing applied to seats and MTTs for other units (if available)



## MS-PowerPoint 2016 User

Course ID

A2530

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Mons (BEL)

Minimum Class Size: 10

Maximum Class Size: 15

Course Length (working days): 1

## Purpose of Course

To provide military and civilian personnel with the knowledge and skills required to be able to use the Microsoft PowerPoint 2016 application with all important features needed, to create a presentation in a professional and efficient way. This course is specifically tailored to the NATO environment.

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Learning Objectives

- Understand PowerPoint in general and know the new 2016 features within.
- Start, open and close PowerPoint, and understand the Presentation Window.
- The PowerPoint Ribbon
- Do things quickly with new 2016 -Tell Me- feature.
- Use new 2016 Smart Lookup tool.
- Understand the presentation Views, start a presentation and how to navigate within the presentation views.
- Create a presentation, enter text, modify the layout and use the following tools:
  - insert new slides (different Layouts)
  - Working with a bulleted/numbered list and edit bullets
- Create organization Chart using the SmartArt feature
- Working with Charts (create Excel chart and how to modify)
- insert ClipArt-s, WordArt, or other images
- Use Animation Effects and Slide Transition Effects
- Apply a Theme using the Theme Gallery
- Save the presentation and understand the new 2016 File format
- Print a presentation from the Backstage View

## Background

The students must have basic computer skills including the use of a mouse and keyboard. The students must be familiar with the use of a graphical user interface (GUI) like windows.

## Prerequisite Course

N/A

## Value Notes

CAT B: Prepaid for SHAPE through SHAPE SLA; pricing applied to seats and MTTs for other units (if available)

## Qualification

MS-PowerPoint User

## Student Criteria

- Course attendees are those Staff members who need to work with MS-PowerPoint.
- No background knowledge is needed.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

All Ranks and Grades, CIV

## Special Instructions

# MS-PowerPoint 2016 Advanced User

Course ID

A2531

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Mons (BEL)

Minimum Class Size: 10

Maximum Class Size: 15

Course Length (working days): 1

## Purpose of Course

To provide military and civilian personnel with the knowledge and skills required to be able to work with the MS-PowerPoint 2016 application using more advanced features.

This course is specifically tailored to the NATO environment.

## Learning Objectives

- Use the Home Features (Reuse slides, slides from Outline, and convert to SmartArt).
- Use the insert Features (Tables, Screenshot, Photo Album, Shapes, and connecting lines, Hyperlinks, Header & Footer, Videos and Sounds).
- Use Design Features (Slide size, and format background).
- Use Slide Show features (Custom Slide Show, Set up Slide Show, rehearse timings).
- Use Review features (Proofing tools, Translate, Mini Translator and Comments).
- Use the View Features (Slide Master and Window Management).
- Use Backstage features (File Types, create Video, Package for CD, create Hand-outs, Inspector and Protect presentation).
- Customize the Quick Access Toolbar.
- Customize the Ribbon with new Tabs and functionalities.

## Qualification

MS-PowerPoint Advanced User

## Student Criteria

- Course attendees are Staff members who need to work with MS-PowerPoint 2016.
- A working knowledge of Microsoft PowerPoint 2016 (User level) is assumed.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

All Ranks and Grades, CIV

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

The students must have basic computer skills including the use of a mouse and keyboard. The students must be familiar with the MS-PowerPoint 2016 User training subjects.

## Prerequisite Course

N/A

## Value Notes

CAT B: Prepaid for SHAPE through SHAPE SLA; pricing applied to seats and MTTs for other units (if available)

## MS-Outlook 2016 User

Course ID

A2532

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Mons (BEL)

Minimum Class Size: 10

Maximum Class Size: 15

Course Length (working days): 1

## Purpose of Course

To provide military and civilian personnel with the knowledge and skills required to be able to use the modules (Inbox, Calendar, Tasks, People, Notes, and Shortcuts) within the Microsoft Outlook 2016 application in a professional and effective manner.

This course is specifically tailored to the NATO environment.

## Learning Objectives

- Understand the New MS-Outlook 2016 Interface and modules.
- Do things quickly with new 2016 -Tell Me- feature.
- Use new 2016 Smart Lookup tool.
- Customize Outlook with personal settings.
- Create and Organize Shortcuts (to folders and/or documents).
- Use the Inbox with all necessary features (Options, signature, attachments, hyperlinks, search and find, reply and forward).
- Use the Calendar with all necessary features (Options, create appointments, create meetings, change views, new Weather bar).
- Use the People module to create and manage contacts.
- Use the Tasks module to create personal tasks, and to create and assign tasks.
- Use the Notes module.
- Print a Calendar or Contact list and Print options
- Use the help feature in case needed.

## Qualification

MS-Outlook User

## Student Criteria

- Course attendees are those Staff members who need to work with MS-Outlook 2016.
- No background knowledge is needed.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

All Ranks and Grades,CIV

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

The students must have basic computer skills including the use of a mouse and keyboard. The students must be familiar with the use of a graphical user interface (GUI) like windows.

## Prerequisite Course

N/A

## Value Notes

CAT B: Prepaid for SHAPE through SHAPE SLA; pricing applied to seats and MTTs for other units (if available)

## MS-Outlook 2016 Advanced User

Course ID

A2533

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Mons (BEL)

Minimum Class Size: 10

Maximum Class Size: 15

Course Length (working days): 1

## Purpose of Course

To provide military and civilian personnel with the knowledge and skills required to be able to use the MS-Outlook 2016 application using more advanced features.

This course is specifically tailored to the NATO environment.

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Learning Objectives

- Customize the window Outlook Today and how to organize the mail folder list.
- Use the favourite and Search Folders (create Search criteria and Web Integration).
- Customize Outlook 2016 Options.
- Customize the Ribbon (Create new Tabs and functionalities).
- Use several Sharing possibilities (Delegate, Share Calendar and Share Mailbox).
- Use the Automatic Reply system and create rules to automate the mail process.
- Use additional Inbox features (Use Office Themes, create templates, create Voting buttons, instant Search, use the Field Chooser, set conditional formatting and create Quick Steps).
- Use additional Calendar features (create new Calendar, use Time Bar options, create Backups using Export/Import tool, and check attendee availability).
- Use additional Contact features (Flag for Follow Up, Electronic Business Cards, create personal Distribution List and how to forward contact information).
- Use additional Tasks features (Private Checkbox, options and create task from mail).

## Background

The students must have basic computer skills including the use of a mouse and keyboard. The students must be familiar with the MS-Outlook 2016 User training subjects.

## Prerequisite Course

N/A

## Value Notes

CAT B: Prepaid for SHAPE through SHAPE SLA; pricing applied to seats and MTTs for other units (if available)

## Qualification

MS-Outlook Advanced User

## Student Criteria

- Course attendees are those Staff members who need to work with MS-Outlook 2016.
- A working knowledge of Microsoft Outlook 2016 (User level) is assumed.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

All Ranks and Grades, CIV

## Special Instructions

## MS-Word 2016 User

Course ID

A2534

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Mons (BEL)

Minimum Class Size: 10

Maximum Class Size: 15

Course Length (working days): 1

## Purpose of Course

To provide military and civilian personnel with the knowledge and skills required to be able to use the Microsoft Word 2016 application for creating documents in a more productive, professional and efficient way.  
This course is specifically tailored to the NATO environment.

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Learning Objectives

- Understand Word 2016 in general and know the new features within.
- Start, open and close Word, and understand the different Views available.
- Understand the new Word 2016 File format and compatibility mode.
- Create a document, using the following tools:
- Basic mouse and keyboard skills (enter text, move, copy and select).
- Change default line spacing and activate insert/Overtyping mode.
- Checking spelling and grammar.
- Do things quickly with new 2016 -Tell Me- feature.
- Use new 2016 Smart Lookup tool.
- Format characters, paragraphs and document formatting (insert Page breaks, change margins, page orientation, change paper size and use paragraph styles).
- Working with Graphics (insert On-line picture, sizing and wrapping a graphic, correcting images and use picture Styles).
- Setting Tab Stops and Indenting paragraphs.
- Create bulleted- and numbered lists.
- insert Header and Footers.
- insert Section Breaks.
- Print documents from the Backstage View.
- Use the Help function within Word 2016.

## Background

The students must have basic computer skills including the use of a mouse and keyboard. The students must be familiar with the use of a graphical user interface (GUI) like windows.

## Prerequisite Course

N/A

## Value Notes

CAT B: Prepaid for SHAPE through SHAPE SLA; pricing applied to seats and MTTs for other units (if available)

## Qualification

MS-Word User

## Student Criteria

- Course attendees are those Staff members who need to work with MS-Word 2016.
- No background knowledge is needed.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

All Ranks and Grades, CIV

## Special Instructions

## MS-Word 2016 Advanced User

Course ID

A2535

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Mons (BEL)

Minimum Class Size: 10

Maximum Class Size: 15

Course Length (working days): 1

## Purpose of Course

To provide military and civilian personnel with the knowledge and skills required to be able to work with the MS-Word 2016 application using more advanced features.

This course is specifically tailored to the NATO environment.

## Learning Objectives

- Customize the Ribbon with new Tabs and functionalities.
- Use Home features (Modify Styles and change document Style).
- Find and replace text using the Editing Tools.
- Use additional insert features (Cover Page, Tables, SmartArt, Screenshot, Hyperlinks, Bookmarks, Text box, WordArt, drop Cap and Symbols).
- Work together in Real Time (new 2016 Share feature).
- Use Page Layout features (Apply and modify Themes, create columns, use Hyphenation, Page Background, Watermark).
- Use References features (Table of Content, Foot- and End Notes, Captions and Index).
- Use Review features (Proofing Tools, Mini translator, Comments and Protect document).
- Use additional View features (Show/Hide group and Windows Group).
- Use additional Backstage features (Version History, save as Pdf, Inspector and Password Protect document, Mark as Final).
- Customize the Quick Access Toolbar.

## Qualification

MS-Word Advanced User

## Student Criteria

- Course attendees are Staff members who need to work with MS-Word 2016.
- A working knowledge of Microsoft Word 2016 (User level) is assumed.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

All Ranks and Grades, CIV

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

The students must have basic computer skills including the use of a mouse and keyboard.

The students must be familiar with the MS-Word 2016 User training subjects.

## Prerequisite Course

N/A

## Value Notes

CAT B: Prepaid for SHAPE through SHAPE SLA; pricing applied to seats and MTTs for other units (if available)

# Tasker Tracker + (TT+)

Course ID

A2536

Remote Participation available: no

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 5

Maximum Class Size: 15

Course Length (working days): 0.5

## Purpose of Course

To provide military and civilian personnel, which are involved with the Tasking Workflow process, with the knowledge and skills required to be able to use the TT+ application to create a Tasker or Sub-Task, upload and work with documents and hyperlinks, and follow the Tasker procedures.

The students must have basic computer skills including the use of a mouse and keyboard. The students must be familiar with the use of a graphical user interface (GUI) like windows.

## Prerequisite Course

N/A

## Learning Objectives

On completion of the course, the qualified student will be able to:

- Understand the TT+ Technology that is based on MS-SharePoint 2013.
- Understand the different States of a Tasker and know how to create personal filters.
- Raise a Tasker and submit.
- Access the Tasker from different sources.
- Use the Tasker Site, including Sub-Tasking, uploading documents and Links, add Member access and subscribe for additional services.
- Create a favourite user list.
- Fill in the Tasker form and leave responses behind.
- Create an MS-Excel or MS-PowerPoint report from selected Taskers.

## Value Notes

CAT B: Prepaid for SHAPE through SHAPE SLA; pricing applied to seats and MTTs for other units (if available)

## Qualification

Tasker Tracker User

## Student Criteria

1. Course attendees are all SHAPE Staff members who are involved with the Tasker Tracker procedures.
2. A working knowledge of Microsoft Windows, Office and the Web is assumed.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

All Ranks and Grades, CIV

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background



## EDMS - Enterprise Document Management System User

Course ID

A2537

Remote Participation available: no

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 5

Maximum Class Size: 15

Course Length (working days): 0.5

## Purpose of Course

To provide military and civilian personnel with the knowledge and skills required to be able to use the Enterprise Document Management System for storing-, finding-, and retrieving information, using the proper working methods and procedures as directed by SHAPE DOM KNM IKM.

The students must have basic computer skills including the use of a mouse and keyboard. The students must be familiar with the use of a graphical user interface (GUI) like windows.

## Prerequisite Course

N/A

## Learning Objectives

On completion of the course, the qualified student will be able to:

- Understand the EDMS Functionality and capabilities.
- Access the EDMS portal and understand the elements within.
- Use EDMS Metadata Search and NIP Search.
- Upload files and how to add/edit Metadata.
- Create new files and save directly into the EDMS Library.
- Work with documents using the correct working methods and procedures.
- Create Personal Library Views.
- Set alerts, delete files, move documents and use version history to restore previous versions of documents.

## Value Notes

CAT B: Prepaid for SHAPE through SHAPE SLA; pricing applied to seats and MTTs for other units (if available)

## Qualification

EDMS User

## Student Criteria

- Course attendees are those Staff members who need to work with the EDMS system.
- A working knowledge of Microsoft Windows, Office and the Web is assumed.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

## EDMS - Functional Administrator

Course ID

A2538

Remote Participation available: no

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 5

Maximum Class Size: 15

Course Length (working days): 1

## Purpose of Course

To provide military and civilian personnel assigned to be the EDMS Functional Administrator, with the knowledge and skills required to be able to use the Enterprise Document Management System for storing-, finding-, and retrieving information using the proper working methods and procedures as directed by SHAPE DOM KNM IKM.

## Learning Objectives

On completion of the course, the qualified student will be able to:

- Understand the EDMS Functionality and capabilities.
- Access the EDMS portal and understand the elements within.
- Use EDMS Metadata Search and NIP Search
- Upload files and how to add/edit Metadata
- Create new files and save directly into the EDMS Library.
- Set alerts, delete files, move documents and use version history to restore previous versions of documents
- Work with documents using the correct working methods and procedures.
- Create Public Library Views for their organization.
- Manage Site Properties
- Add or remove EDMS Users of Groups (Permissions)

## Qualification

EDMS Functional Administrator

## Student Criteria

1. Course attendees are those Staff members who are appointed to be the EDMS Functional Admins.
2. A working knowledge of Microsoft Windows, Office and the Web is assumed.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

The students must have basic computer skills including the use of a mouse and keyboard. The students must be familiar with the use of a graphical user interface (GUI) like windows.

## Prerequisite Course

N/A

## Value Notes

CAT B: Prepaid for SHAPE through SHAPE SLA; pricing applied to seats and MTTs for other units (if available)

# TT+ - Functional Administrator

Course ID

A2539

Remote Participation available: no

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 5

Maximum Class Size: 15

Course Length (working days): 1

## Purpose of Course

To provide military and civilian personnel, which are involved with the Tasking Workflow process, with the knowledge and skills required to be able to use the TT+ application to create a Tasker or Sub-Task, upload and work with documents and hyperlinks, and follow the Tasker procedures. Additionally they will be trained as a TT+ Functional Administrator.

## Learning Objectives

On completion of the course, the qualified student will be able to:

- Understand the TT+ Technology that is based on MS-SharePoint 2013.
- Understand the different States of a Tasker.
- Use Office Inbox Create Filters.
- Create New Activity.
- Raising a Tasker.
- Access the Tasker from different sources.
- Use the Tasker Site, including Sub-Tasking and create Milestones.
- Uploading documents and Links
- Use Services feature.
- Fill in the Action Response.
- TT+ Administration
- TT+ Configuration

## Qualification

Tasker Tracker Plus Functional Administrator

## Student Criteria

1. Course attendees are Staff members who are who are appointed to be the TT+ Functional Admins.
2. A working knowledge of Microsoft Windows, Office and the Web is assumed.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

NIC B3,NIC A3,OR6,OF6,NIC B6,OF2,NIC A5,OR2,NIC B4,OF4,OR1,OF5,CIV,NIC A6,OR4,NIC A2,OR7,OR9,NIC B5,OF1,OF3,NIC A4,OR5,OR8,OR3

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

The students must have basic computer skills including the use of a mouse and keyboard. The students must be familiar with the use of a graphical user interface (GUI) like windows. Basic SharePoint User knowledge would be preferable.

## Prerequisite Course

N/A

## Value Notes

CAT B: Prepaid for SHAPE through SHAPE SLA; pricing applied to seats and MTTs for other units (if available)

## PRINCE2 Foundation &amp; Practitioner Certification Exam Preparation

Course ID

A3000

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

PRINCE2 is recognised as a leading method for managing and establishing projects and processes of all sizes and scopes - from beginning to end. Through practice exams, workshops, and overnight study, this PRINCE2 certification training course provides the knowledge required to prepare for and take both the PRINCE2 Foundation and Practitioner exams, which are given during the course.

This course will be delivered by a commercial provider selected by the NCI Agency.

Development, is recommended.

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Learning Objectives

- Prepare for the PRINCE2 Foundation and Practitioner certification exams
- Work with the seven principles of PRINCE2
- Map out the processes that form the core of PRINCE2
- Apply the key themes that establish governance in the model
- Improve exam-taking techniques with sample questions and papers

## Qualification

Foundation & Practitioner Certification and Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

PRINCE2 Manual, 5th Edition

Pre-Course Study Guide

## Background

Project management experience at level of Project Management: Skills for Success, or Project Management for Software

# MSP Practitioner Certification Exam Prep

Course ID

A3001

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

Prepare to achieve your MSP (Managing Successful Programmes) Foundation and Practitioner certifications with this training course. As a certified MSP Practitioner, you demonstrate your knowledge of the Managing Successful Programmes framework, and understand how to apply proven concepts and best practices for successfully delivering transformational change. This course will be delivered by a commercial provider selected by the NCI Agency.

highly recommended.

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Learning Objectives

- Prepare for and take the Managing Successful Programmes (MSP) Foundation and Practitioner Exams
- Apply the MSP Principles and Governance Themes
- Identify and define programmes that support your organisation-s strategic objectives
- Manage the programme to attain measurable benefits

## Qualification

MSP Foundation & Practitioner Certification and Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

Managing Successful Programmes 2011 Edition  
Pre-Course Study Guide

## Background

Some previous training or experience of working in a change programme or project environment would be an advantage and is

# Project Management Professional (PMP) Exam Prep

Course ID

A3002

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

In this Project Management Professional (PMP) training course, you gain extensive knowledge to prepare yourself for the PMP certification exam. You will be provided with a deep understanding of essential terminology and knowledge areas that make up the PMBOK Guide, a copy of the PMBOK Guide, Fifth Edition, as well as 300 practice exam questions and the Learning Tree PMP Exam Prep Guarantee.

This course will be delivered by a commercial provider selected by the NCI Agency.

## Learning Objectives

- Prepare to pass the Project Management Institute (PMI) Project Management Professional (PMP) exam while completing the required 35 contact hours/PDUs
- Navigate process groups and knowledge areas from A Guide to the Project Management Body of Knowledge, (PMBOK Guide)
- Analyse the tools and techniques of the PMBOK Guide processes

## Qualification

Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

This course is valuable for experienced project managers who are planning to take the PMP in the near future. At least three years experience as a project manager and related project management training is assumed prior to

taking this course.

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

# ITIL 4 Foundation Certification Training

Course ID

A3003

Remote Participation available: yes

On Demand onsite delivery available: yes

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 24

Course Length (working days): 3

## Purpose of Course

This course helps you explore the ITIL 4 end-to-end IT/digital operating model for the creation, delivery and continual improvement of tech-enabled products and services and how technology and IT teams play a crucial role in wider business strategy.

## Learning Objectives

- Prepare for and pass the ITIL 4 Foundation certification exam.
- Identify opportunities to develop IT practises using ITIL guidelines.
- Interact with IT teams using ITIL 4 terminology and concepts.
- Explore the service value chain, and IT service management practises.
- Recognise the importance of IT and business integration

## Qualification

ITIL 4 Foundation Certification

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

ITIL 4 Foundation Handbook  
Learning Tree Pre-Course Study Guide

## Background

N/A

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)



# ITIL Intermediate: Service Strategy (SS)

Course ID

A3004

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 3

## Purpose of Course

Learn to plan, implement, and optimise ITIL Service Strategy processes that align with your organisational strategy in this ITIL Service Lifecycle training course. This three-day course provides you with the foundational knowledge needed to pass the ITIL Intermediate Service Strategy certification exam, and three credits towards your ITIL Expert certification. This course will be delivered by a commercial provider selected by the NCI Agency.

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Learning Objectives

- Prepare for and pass the ITIL Service Strategy (SS) exam
- Analyse principles, techniques, and relationships to create SS
- Identify the purpose, scope, and objective of each SS process
- Assess IT governance to set strategy, and leverage governance frameworks and bodies
- Determine IT application opportunities

## Qualification

ITIL Intermediate Qualification: Service Strategy and Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

Key Element Guide ITIL Service Strategy

Pre-Course Study Guide

## Background

You must hold the ITIL Foundation Certificate

## Prerequisite Course

# ITIL Intermediate: Service Design (SD)

Course ID

A3005

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 3

## Purpose of Course

ITIL Service Design is one of ten intermediate level courses in the ITIL curriculum. Gain the skills you need to plan, implement, and optimise service design processes. Successful completion of this three-day course provides you with the foundational knowledge needed to pass the ITIL Intermediate Service Design certification exam, and earns three credits towards ITIL Expert certification.

This course will be delivered by a commercial provider selected by the NCI Agency.

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Learning Objectives

- Prepare for and pass the ITIL Service Design (SD) Exam
- Define the goal, objectives, and scope of SD
- Outline key activities for SD processes
- Enhance the quality of IT service provision within an organisation
- Measure SD using critical success factors and key performance indicators

## Qualification

ITIL Intermediate Qualification: Service Design and Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

Key Element Guide ITIL Service Design

Pre-Course Study Guide

## Background

You must hold the ITIL Foundation Certificate

## Prerequisite Course

# ITIL Intermediate: Service Transition (ST)

Course ID

A3006

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 3

## Purpose of Course

Gain the foundational knowledge and skills to plan, implement, and optimise IT service transition processes in this ITIL Service Lifecycle training course. This three-day course will provide you with the foundational knowledge needed to pass the ITIL Intermediate Service Transition certification exam, and three credits towards your ITIL Expert certification. This course will be delivered by a commercial provider selected by the NCI Agency.

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Learning Objectives

- Prepare for and pass the ITIL Service Transition (ST) exam
- Outline key activities for ST processes
- Enhance the quality of IT service provision within an organisation
- Manage people through service transitions
- Measure ST using critical success factors and key performance indicators

## Qualification

ITIL Intermediate Qualification: Service Transition and Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

Key Element Guide ITIL Service Transition

Pre-Course Study Guide

## Background

You must hold the ITIL Foundation Certificate

## Prerequisite Course

# ITIL Intermediate: Service Operation (SO)

Course ID

A3007

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 3

## Purpose of Course

Learn to plan, implement, and optimise service operation processes that align with your organisational strategy in this ITIL Service Lifecycle training course. This three-day course provides you with the foundational knowledge needed to pass the ITIL Intermediate Service Operation certification exam, and three credits towards ITIL Expert certification.

This course will be delivered by a commercial provider selected by the NCI Agency.

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Learning Objectives

- Prepare for and pass the ITIL Service Operation (SO) exam
- Plan key activities for ITIL Service Operation processes
- Maintain stability in SO while allowing for changes in design, scale, scope, and service
- Support operations through new models and architectures
- Evaluate SO processes with critical success factors and KPIs

## Qualification

ITIL Intermediate Qualification: Service Operation and Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

Key Element Guide ITIL Service Operation

Pre-Course Study Guide

## Background

You must hold the ITIL Foundation Certificate

## Prerequisite Course

# ITIL Intermediate: Continual Service Improvement (CSI)

Course ID

A3008

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 3

## Purpose of Course

Gain the foundational knowledge and skills to plan, implement, and optimise processes and activities in this ITIL Service Lifecycle training course. This three-day course will provide the foundational knowledge needed to pass the ITIL Intermediate Continual Service Improvement certification exam, and three credits towards your ITIL Expert certification. This course will be delivered by a commercial provider selected by the NCI Agency.

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Learning Objectives

- Prepare for and pass the ITIL Continual Service Improvement (CSI) exam
- Apply the seven-step improvement process
- Deliver CSI using proven techniques
- Organise for CSI by defining responsibilities with tools and technology
- Implement CSI while analysing challenges, critical success factors, and risks

## Qualification

ITIL Intermediate Qualification: Continual Service Improvement and Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

Key Element Guide ITIL Continual Service Improvement

Pre-Course Study Guide

## Background

You must hold the ITIL Foundation Certificate

## Prerequisite Course

# ITIL Intermediate: Operational Support and Analysis (OSA)

Course ID

A3009

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

Gain the foundational knowledge and skills to plan, implement, and optimise IT processes in this ITIL Service Capability training course. This five-day course will provide you with the foundational knowledge needed to pass the ITIL Intermediate Operational Support and Analysis certification exam, and four credits towards your ITIL Expert certification.

This course will be delivered by a commercial provider selected by the NCI Agency.

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Learning Objectives

- Prepare for and pass the ITIL Operational Support and Analysis (OSA) exam
- Outline key activities for ITIL OSA processes
- Achieve operational excellence by applying ITIL OSA processes
- Verify the success of OSA by evaluating challenges, critical success factors, and risks

## Qualification

ITIL Intermediate Qualification: Operational Support & Analysis and Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

Operational Support and Analysis ITIL Intermediate Capability Handbook

Pre-Course Study Guide

## Background

You must hold the ITIL Foundation Certificate

## Prerequisite Course

# ITIL Intermediate: Service Offerings and Agreements (SOA)

Course ID

A3010

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

Gain the foundational knowledge and skills to plan, implement, and optimise IT processes and best practices in this ITIL Service Capability training course. This five-day course will provide you with the foundational knowledge needed to pass the ITIL Service Offerings and Agreement certification exam, and four credits towards your ITIL Expert certification.

This course will be delivered by a commercial provider selected by the NCI Agency.

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Learning Objectives

- Prepare for and pass the ITIL Service Offerings and Agreements (SOA) exam
- Outline key activities for the SOA processes
- Achieve operational excellence using the SOA activities and functions
- Measure the success of SOA by evaluating challenges, critical success factors, and risks

## Qualification

ITIL Intermediate Qualification: Service Offerings and Agreements and Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

Service Offerings and Agreements ITIL 2011 Intermediate Capability Handbook

Pre-Course Study Guide

## Background

You must hold the ITIL Foundation Certificate

## Prerequisite Course



# ITIL Intermediate: Release, Control and Validation (RCV)

Course ID

A3011

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

Gain the foundational knowledge and skills to implement, optimise, and manage IT processes and best practices in this ITIL Service Capability training course. This five-day course will provide the foundational knowledge needed to pass the ITIL Release, Control and Validation certification exam, and four credits towards your ITIL Expert certification.

This course will be delivered by a commercial provider selected by the NCI Agency.

You must hold the ITIL Foundation Certificate

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Learning Objectives

- Prepare for and pass the ITIL Release, Control and Validation (RCV) exam
- Plan key activities for the RCV processes in the context of the service lifecycle
- Attain operational excellence by using RCV activities and functions
- Apply key metrics to evaluate RCV success
- Recognise the details that comprise each RCV process

## Qualification

ITIL Intermediate Qualification: Release, Control and Validation and Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

Release, Control and Validation ITIL Intermediate Capability Handbook

Pre-Course Study Guide

## Background

# ITIL Intermediate: Planning, Protection and Optimisation (PPO)

Course ID

A3012

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

Gain the foundational knowledge and skills to plan, implement, and optimise IT processes and best practices in this ITIL Service Capability training course. This five-day course will provide the foundational knowledge needed to pass the ITIL Planning, Protection and Optimisation certification exam, and four credits towards your ITIL Expert certification.

This course will be delivered by a commercial provider selected by the NCI Agency.

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Learning Objectives

- Prepare for and pass the ITIL Planning, Protection and Optimisation (PPO) exam
- Plan key activities for the PPO processes
- Attain operational excellence by using the PPO processes
- Apply key metrics to evaluate PPO success
- Recognise the details that comprise each PPO process

## Qualification

ITIL Intermediate Qualification: Planning, Protection and Optimisation and Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

Planning, Protection and Optimization ITIL 2011 Intermediate Capability Handbook

Pre-Course Study Guide

## Background

You must hold the ITIL Foundation Certificate

## Prerequisite Course

# ITIL Managing Across the Lifecycle Qualification (MALC) Qualification

Course ID

**A3013**

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

As the capstone leading to ITIL Expert certification, this ITIL Managing Across the Lifecycle (MALC) training enhances your knowledge of ITIL best practices through analysis of a case study. This five-day course will provide the foundational knowledge needed to pass the ITIL Managing Across the Lifecycle qualification exam, and five credits towards ITIL Expert certification. This course will be delivered by a commercial provider selected by the NCI Agency.

and have earned an additional 15 credits from the other ITIL qualifications, including the Intermediate qualifications, complementary qualifications and some earlier qualifications. Note that only 6 credits can come from complementary qualifications.

## Prerequisite Course

N/A

## Learning Objectives

- Prepare for and pass the ITIL MALC exam
- Apply governance and organisational structure to the management and delivery of IT services
- Implement effective communication and stakeholder management
- Integrate service management processes across the service lifecycle
- Measure, implement, and improve the service management capability

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Qualification

ITIL Expert Qualification in IT Service Management and Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

Key Element Guide Suite

Pre-Course Study Guide

## Background

In order to attend this course and take the ITIL Certification Exam on the final day, you must hold the ITIL Foundation Certificate (2 credits)

# COBIT 5 Foundation

Course ID

A3014

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 3

## Purpose of Course

Control Objectives for Information and Related Technology (COBIT) is a framework providing best practices for the governance and management of enterprise IT services. This course provides a comprehensive understanding of the COBIT 5 product architecture, the five key principles, and the knowledge needed to pass the COBIT 5 Foundation certification exam. This course will be delivered by a commercial provider selected by the NCI Agency.

the enterprise by maximising the value from information technology, it is suitable for anyone with a background in the delivery or support of IT systems.

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Learning Objectives

- Apply COBIT 5 to assess the effectiveness of various processes
- Evaluate the differences between governance and management
- Investigate the implementation pain points and triggers
- Assess people, skills, and competencies for successful completion of all activities

## Qualification

COBIT 5 Foundation Certificate and Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

COBIT 5

Pre-Course Study Guide

## Background

Anyone with a background in the governance or management of information and information systems will find this course beneficial. Additionally, as COBIT helps address the needs of all stakeholders across

# SharePoint 2010 Technologies Introduction

Course ID

A3016

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 4

## Purpose of Course

Create, manage, customise and deploy SharePoint 2010 applications. Create a communication repository with controlled access. Connect and empower people for improved collaboration. Integrate Microsoft Office 2010 applications with SharePoint 2010. Customise your SharePoint site with templates and Web Parts. This course will be delivered by a commercial provider selected by the NCI Agency.

CAT D: Pricing applied to seats and MTTs (if available)

## Learning Objectives

- Rapidly deploying SharePoint sites with templates
- Creating lists and libraries
- Automating change requests with workflows
- Consolidating group contacts and schedules with Outlook
- Accessing data sources with external content types
- Developing LOB applications with SharePoint 2010

## Qualification

Certificate of Attendance

## Student Criteria

Anyone new to SharePoint who wants to benefit from SharePoint 2010 technologies.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

N/A

## Prerequisite Course

N/A

## Value Notes

# SharePoint Designer 2010: Building Applications & Workflows

Course ID

A3017

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 4

## Purpose of Course

Extend the capabilities of SharePoint functionality to build powerful data-driven pages, composite applications, and workflows. In this SharePoint 2010 training course, you learn how to maximize SharePoint without writing application-level code, and gain the skills to build robust site dashboards by aggregating lists and integrating data from multiple sources.

## Learning Objectives

- Aggregate SharePoint lists and integrate data to build dashboards.
- Manage site content with lists and libraries.
- Automate complex business processes with SharePoint workflows.
- Connect to and use external data in web pages.

## Qualification

Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

N/A

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

# Administering SharePoint Server 2010

Course ID

A3018

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 4

## Purpose of Course

Install, administer and secure a SharePoint Server 2010 farm. Build effective web application and site collection hierarchies. Configure service applications for search indexing and metadata. Establish claims-based authentication to control access. Maintain server health through monitoring. Design and implement an efficient enterprise search strategy. This course will be delivered by a commercial provider selected by the NCI Agency.

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Learning Objectives

- Installing a new SharePoint 2010 farm
- Synchronising Active Directory with profiles
- Indexing website and file share content
- Authenticating users with the claims-based model
- Checking SharePoint with Health Analyser jobs
- Recovering a list from an unattached database

## Qualification

Certificate of Attendance

## Student Criteria

Anyone responsible for administering a SharePoint 2010 environment who has knowledge at the level of Course 1501, "SharePoint 2010 Technologies Introduction," or experience with a previous version of SharePoint.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

N/A

## Prerequisite Course

# Microsoft Project Introduction

Course ID

A3019

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 3

## Purpose of Course

Microsoft Project provides the flexible and intuitive tools and solutions to help create the project plan, track progress, adjust resources as needed, and make the project more visible, so that others can see the status of a project. In this Microsoft Project class, you gain the skills to manage and maintain control of multiple projects more efficiently for your organisation. This course will be delivered by a commercial provider selected by the NCI Agency.

available)

## Learning Objectives

- Leverage Microsoft Project to plan your project.
- Manage project schedules and resources.
- Create reports and dashboards to effectively share project data.
- Track progress and monitor variances between targets and actuals.

## Qualification

Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

Basic knowledge of Project Management concepts

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if



# Deploying and Managing Windows 7

Course ID

A3020

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 4

## Purpose of Course

Capturing and deploying organisation-specific images. Building Lite Touch images with MDT. Planning and designing a volume activation solution. Administering workstations and servers remotely. Recovering lost and modified files. Assigning group policies to specific users and computers.

This course will be delivered by a commercial provider selected by the NCI Agency.

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Learning Objectives

- Implement and manage Windows in an enterprise environment.
- Embed tools and scripts into custom Windows PE boot images.
- Automate deployments with the Microsoft Deployment Toolkit.
- Optimise remote management of Windows tablets/slates, desktops and servers remotely.
- Identify and recover from application and operating system failures.

## Qualification

Certificate of Attendance

## Student Criteria

Help desk technicians, desktop administrators and anyone responsible for deploying and managing Windows 7 who have knowledge of Windows client administration.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

N/A

## Prerequisite Course

# Administering Windows Server 2012

Course ID

A3022

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

Get hands-on instruction and practice administering Windows Server 2012, including Windows Server 2012 R2, in this five-day Microsoft Official Course. This course is part two in a series of three courses that provides the skills and knowledge necessary to implement a core Windows Server 2012 infrastructure in an existing enterprise environment.

The three courses collectively cover implementing, managing, maintaining and provisioning services and infrastructure in a Windows Server 2012 environment. Although there is some cross-over of skills and tasks across these courses, this course focuses on the administration tasks necessary to maintain a Windows Server 2012 infrastructure such as configuring and troubleshooting name resolution, user and group management with Active Directory Domain Services (AD DS) and Group Policy, implementing Remote Access solutions such as Direct Access, VPNs and Web Application Proxy, implementing Network Policies and Network Access Protection, Data Security, deployment and maintenance of server images, as well as update management and monitoring of Windows Server 2012 environments.

This course maps directly to and is the preferred choice for hands-on preparation for Microsoft Certified Solutions Associate (MCSA): Exam 411: Administering Windows Server 2012, which is the second of three exams required for MCSA: Windows Server 2012 credential.

Note: Labs in this course are based on Windows Server 2012 R2 and Windows 8.1. This course will be delivered by a commercial provider selected by the NCI Agency

## Learning Objectives

- Configure and Troubleshoot Domain Name System
- Maintain Active Directory Domain Services
- Manage User and Service Accounts
- Implement Group Policy Infrastructure
- Manage User Desktops using Group Policy
- Install, Configure and Troubleshoot Network Policy Server
- Implement Network Access Protection
- Implement Remote Access
- Optimize File Services
- Configure Encryption and Advanced Auditing
- Deploy and Maintain Server Images
- Implement Update Managements
- Monitor Windows Server 2012

## Qualification

Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

Before attending this course, students must have knowledge and skills concerning the initial implementation and configuration of core Windows Server services including Active Directory Domain Services (AD DS), Networking Services and Microsoft Hyper-V. The course pre-requisites can be met by having knowledge equivalent to, or by attendance at course: Installing and Configuring Windows Server 2012, as this course will build upon that knowledge and skills covered in that course.

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

# Deploying VMware vSphere

Course ID

A3024

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 4

## Purpose of Course

Reduce total cost of ownership and improve disaster recovery by virtualising your organisation's infrastructure with VMware vSphere. In this training course, you gain the knowledge and skills to deploy, configure, and manage a highly available virtual infrastructure by leveraging VMware vSphere, vCenter Server, and ESXi Server in an enterprise environment. This course will be delivered by a commercial provider selected by the NCI Agency.

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Learning Objectives

- Deploy and configure a virtual infrastructure with VMware vSphere
- Allocate networking and storage resources
- Create direct-attached storage and storage area networks
- Leverage vCenter Server for a secure and efficient IT environment

## Qualification

Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

Experience with Windows or Linux system administration and networking knowledge is assumed vCenter Server 5.5. Experience with system administration of Windows or Linux and networking knowledge are assumed.

## Prerequisite Course

# Certified Ethical Hacker (CEH) Certification Exam Preparation

Course ID

A3025

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

In this award-winning training course, you are provided with the foundational knowledge needed to pass the EC-Council Certified Ethical Hacker (CEH) exam, and an in-depth understanding of how to deploy tools and techniques needed to protect your network. Included in your course tuition is an EC-Council CEH exam voucher that enables you to take the exam via ProctorU. This course will be delivered by a commercial provider selected by the NCI Agency.

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Learning Objectives

- Successfully prepare for the Certified Ethical Hacker (CEH) Certification Exam
- Apply countermeasures to secure your system against threats
- Test system security and data access using real-world hacking techniques
- Employ complex tools to identify and analyse your company's risks and weaknesses
- Find vulnerabilities in a network infrastructure

## Qualification

Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV/All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

A minimum of two years of security related experience as well as a strong practical working knowledge of TCP/IP is suggested.

## Prerequisite Course

# Digital Forensics Training: Tools and Techniques

Course ID

A3026

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

Digital forensics is the practice of recovering and investigating information found in digital devices. In addition to gaining experience in both a Windows and Linux investigative workstation, this training course provides you with the skills equal to an entry-level forensic examiner to acquire, analyse, and report information - with exposure to advanced topics, such as live system and mobile forensics.

This course will be delivered by a commercial provider selected by the NCI Agency.

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Learning Objectives

- Perform the essential duties of a forensic examiner
- Prepare for and execute digital forensic investigations on Windows-based systems
- Apply forensic methodologies to preserve, acquire, extract, and analyse information of investigative importance
- Identify and analyse key Windows artifacts of investigative importance

## Qualification

Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

A basic knowledge of computing fundamentals including knowledge of computer/mobile hardware and software interaction and operations would be beneficial to students taking this course.

## Prerequisite Course

# Vulnerability Assessment Training: Protecting Your Organisation

Course ID

A3027

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 4

## Purpose of Course

To minimise costly security breaches, organisations need to evaluate the risk in their enterprise from an array of vulnerabilities. In this training course, you learn how to expose infrastructure, server, and desktop vulnerabilities, create and interpret reports, configure vulnerability scanners, detect points of exposure, and prevent network exploitation. This course will be delivered by a commercial provider selected by the NCI Agency.

background; a working knowledge of TCP/IP is also helpful.

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Learning Objectives

- Detect and respond to vulnerabilities, and minimise exposure to security breaches
- Employ real-world exploits and evaluate their effect on your systems
- Configure vulnerability scanners to identify weaknesses
- Analyse the results of vulnerability scans
- Establish an efficient strategy for vulnerability management

## Qualification

Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

It is assumed that you have a basic understanding of network security and security issues. For example, you should understand TCP/IP networking; network security goals and concerns; the roles of firewalls and intrusion detection systems. Course ID 3029: Introduction to System and Network Security, provides the necessary

# Project Management Training: Skills for Success

Course ID

A3028

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 4

## Purpose of Course

Through a real-life simulation case study, this project management training course provides you with the fundamental knowledge and skills to leverage key project management concepts, implement effective project management processes, and develop leadership skills needed for successfully planning, managing, and delivering projects of any size and scope. This course will be delivered by a commercial provider selected by the NCI Agency.

available)

## Learning Objectives

- Apply best practices to plan a project using a proven five-step process
- Estimate and schedule task work, duration, and costs
- Implement risk management techniques and mitigation strategies
- Lead a project team and monitor project progress

## Qualification

Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

No specific experience is required

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if

# Introduction to System and Network Security

Course ID

A3029

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 4

## Purpose of Course

In this GCHQ Certified cyber security training course, you gain the knowledge and skills to analyse and assess network risks, select and deploy appropriate countermeasures, evaluate methods for strong authentication, search for possible vulnerabilities in operating systems, and reduce your organisation's exposure to dangers in enterprise-wide and virtual private networks. This course will be delivered by a commercial provider selected by the NCI Agency.

CAT D: Pricing applied to seats and MTTs (if available)

## Learning Objectives

- Analyse your exposure to security threats
- Protect your organisation's systems and data
- Deploy firewalls and data encryption to minimise threats
- Assess alternative user and host authentication mechanisms
- Manage risks originating from inside the organisation and the internet

## Qualification

Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

Participants are expected to be familiar with using Microsoft Windows.

## Prerequisite Course

N/A

## Value Notes



# Influence Skills Training: Getting Results without Direct Authority

Course ID

A3030

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 4

## Purpose of Course

Success and managerial effectiveness hinges on the use of influence at all levels of an organisation. With this training course, you will leverage practical tools and techniques to apply influence strategies, gain commitment from others, foster collaboration, and acquire the specific competencies, behaviours, and attitudes necessary to achieve desired results without relying on the use of authority. This course will be delivered by a commercial provider selected by the NCI Agency.

dramatic results.

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Learning Objectives

- Apply influence strategies to gain commitment and foster collaboration
- Gain buy-in by dynamically adjusting your approach to others
- Achieve goals by enhancing trust and cooperation
- Deal effectively with challenging behaviours to overcome resistance and inertia in others
- Use knowledge and competence to influence others

## Qualification

Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

No special background is required for this course. People from all industries will benefit from this course. All types of organisations-technical and non-technical, private and public, military and civilian, small and large-have sent participants to this course, with

# Core Solutions of Microsoft SharePoint Server 2013

Course ID

A3031

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

This course will provide you with the knowledge and skills to configure and manage a Microsoft SharePoint Server 2013 environment. This course will teach you how to configure SharePoint Server 2013, as well as provide guidelines, best practices, and considerations that will help you optimize your SharePoint server deployment. This is the first in a sequence of two courses for IT Professionals and will align with the first exam in the SharePoint Server 2013 IT Pro certification. This course will be delivered by a commercial provider selected by the NCI Agency.

## Learning Objectives

- Describe the key features of SharePoint 2013
- Design an information architecture
- Design logical and physical architectures
- Install and configure SharePoint Server 2013
- Create web applications and site collections
- Plan and configure service applications
- Manage users and permissions
- Configure authentication for SharePoint 2013
- Secure a SharePoint 2013 deployment
- Manage taxonomy
- Configure user profiles
- Configure enterprise search
- Monitor and maintain a SharePoint 2013 environment

## Qualification

Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

An ideal candidate will have at least one

year of experience with deploying and administering multiple SharePoint 2010 farms across a large enterprise. Because many customers skipped upgrading from SharePoint 2007, a candidate can also have at least 2 years of experience with SharePoint 2007 and knowledge of the differences between 2007 and 2010, particularly the Service Application model. A candidate can demonstrate the following skills:

Software management in a Windows 2008 R2 enterprise server or Windows Server 2012 environment.  
 Deploying and managing applications natively, virtually and in the cloud.  
 Administering Internet Information Services (IIS).  
 Configuring Active Directory for use in authentication, authorization and as a user store.  
 Managing an application remotely using Windows PowerShell 2.0.  
 Connecting applications to Microsoft SQL Server.  
 Implementing Claims-based Security.

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

# Core Solutions of Microsoft Exchange Server 2013

Course ID

A3032

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

This course will provide you with the knowledge and skills to plan, deploy, manage, secure, and support Microsoft Exchange Server 2013. This course will teach you how to configure Exchange Server 2013 and supply you with the information you will need to monitor, maintain, and troubleshoot Exchange Server 2013. This course will also provide guidelines, best practices, and considerations that will help you optimize performance and minimize errors and security threats in Exchange Server 2013.

This course will be delivered by a commercial provider selected by the NCI Agency.

## Learning Objectives

- Deploy and manage Exchange Server 2013.
- Plan and configure the Mailbox server role.
- Manage recipient objects, address policies, and address lists in Exchange Server 2013.
- Plan and implement the Client Access server role in Exchange Server 2013.
- Securely plan and configure Microsoft Outlook Web App and mobile messaging using the Client Access server.
- Understand and manage highly available Client Access servers in Exchange Server 2013
- Plan for disaster mitigation, implement back up and recovery for Exchange Server 2013
- Plan and configure message transport in an Exchange Server 2013 organization
- Plan message security options, implement an antivirus solutions, and implement an anti-spam solution
- Configure permissions and secure Exchange Server 2013
- Monitor, maintain, and troubleshoot an Exchange Server 2013 environment

## Qualification

Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

Before attending this course, students must have:

Minimum of two years of experience administering Windows Server, including Windows Server 2008 R2 or Windows Server 2012.

Minimum of two years of experience working with Active Directory Domain Services (AD DS). Minimum of two years of experience working with name resolution, including DNS.

Experience working with certificates, including PKI certificates.

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

# Achieving ITIL Practitioner Certification

Course ID

A3033

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 2

## Purpose of Course

Gain the foundational knowledge and skills for building an effective IT organisation that supports and complements ITIL best practices in this ITIL Practitioner training course. This two-day course will provide you with the foundational knowledge needed to pass the ITIL Practitioner certification exam, and three credits towards your ITIL Expert certification. This course will be delivered by a commercial provider selected by the NCI Agency.

## Learning Objectives

- Prepare for and pass the ITIL Practitioner certification exam
- Utilise the nine Guiding Principles and the CSI approach to manage ITIL improvements
- Enable improvements with metrics, measurements, and communication
- Leverage organisational change management

## Qualification

ITIL Practitioner Certification

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

N/A

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

# Certified Information Systems Security Professional (CISSP) Certification Exam Preparation

Course ID

**A3034**

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

In this certification training course, you gain the foundational knowledge to fully prepare for the (ISC)2 Certified Information Systems Security Professional (CISSP) exam, including a comprehensive understanding of the CISSP CBK 8 domains. Your course tuition includes the current Official (ISC)2 Guide to the CISSP CBK, and a voucher that allows you to take the exam at any Pearson VUE Test Centre. This course will be delivered by a commercial provider selected by the NCI Agency.

CAT D: Pricing applied to seats and MTTs (if available)

## Learning Objectives

- Strategically focus your preparation for CISSP Certification
- Protect resources using access control methods and cryptography
- Plan a secure environment aligned with organisational objectives, compliance requirements, and industry-standard architectures
- Develop operational security and continuity through preventive and recovery mechanisms

## Qualification

Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV/All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

N/A

## Prerequisite Course

N/A

## Value Notes

# Introduction to Cloud Computing

Course ID

A3036

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 3

## Purpose of Course

Cloud computing potentially affects every aspect of an organisation's IT department. In this training course, you will evaluate and assess the business and technical benefits of cloud computing, gain the foundation to analyse cloud applications for use in your organisation, and learn how cloud computing can provide efficient solutions to technical, business, and administrative challenges. This course will be delivered by a commercial provider selected by the NCI Agency.

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Learning Objectives

- Exploit the benefits of the different cloud service models: SaaS, PaaS, and IaaS
- Leverage services provided by the major public cloud providers
- Configure and provision resources on a private IaaS cloud
- Apply tips and best practices when adopting the cloud

## Qualification

Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

No prior background with cloud computing is required for this course. A working knowledge of Internet technologies, Microsoft Windows and Web applications is helpful but not required. Programming experience is also helpful but not required.

## Prerequisite Course

# Agile Programme Management Foundation

Course ID

A3037

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 2

## Purpose of Course

The AgilePgM training course is aimed at aspiring and practicing programme managers and team members wishing to adopt a disciplined, flexible and collaborative approach to the management of large-scale business transformation activities (programmes). Developed by the Agile Business Consortium (formally DSDM Consortium), the new certification provides the ability to deliver Agile Programmes in organizations requiring standards, rigour and visibility around Programme Management, while at the same time enabling the fast pace, change and empowerment provided by Agile. AgilePgM teaches you a disciplined but flexible agile approach to the management of organizational change enabling you to play a crucial role in ensuring a programme captures its vision. This course will be delivered by a commercial provider selected by the NCI Agency.

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

There are no prerequisites for this course although it would be beneficial for delegates to have some practical experience of project work within an Agile environment.

## Prerequisite Course

N/A

## Learning Objectives

- Enable programmes to evolve and react to business change.
- Developed in partnership with the Agile Business Consortium AgilePgM teaches you a disciplined but flexible agile approach to the management of organizational change enabling you to play a crucial role in ensuring a programme captures its vision.

### Outline

- The lifecycle of an AgilePgM programme
- The products produced by AgilePgM programme
- AgilePgM roles and responsibilities
- AgilePgM governance
- AgilePgM quality management
- Stakeholder engagement, communication and management

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Qualification

Certificate of Attendance

## Student Criteria

There are no prerequisites for this course although it would be beneficial for staff to have some practical experience of project work within an Agile environment.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

# McAfee VirusScan and ePolicy Administrator

Course ID

A3039

Remote Participation available: no

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 4

## Purpose of Course

The McAfee VirusScan and McAfee ePolicy Orchestrator Administration course from McAfee Education Services enables attendees to receive in-depth training on the benefits of the centralized management and deployment of McAfee products. Enabling administrators to fully understand the capabilities of their security solution not only reduces the risks of misconfiguration, but also ensures that an organization gets the maximum protection from installation. This course will be delivered by a commercial provider selected by the NCI Agency.

available)

## Learning Objectives

At the end of this course, attendees should understand the capabilities of the McAfee centralized management solution. Attendees will also have the ability to install, deploy, and maintain anti-virus protection with McAfee VirusScan Enterprise and using McAfee ePolicy Orchestrator (McAfee ePO) software.

## Qualification

Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

N/A

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if



# Configuring Advanced Windows Server 2012 Services

Course ID

A3040

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

Get hands-on instruction and practice configuring advanced Windows Server 2012, including Windows Server 2012 R2, services in this five-day Microsoft Official Course. This course is part three in a series of three courses that provides the skills and knowledge necessary to implement a core Windows Server 2012 infrastructure in an existing enterprise environment.

The three courses collectively cover implementing, managing, maintaining and provisioning services and infrastructure in a Windows Server 2012 environment. Although there is some cross-over of skills and tasks across these courses, this course focuses on advanced configuration of services necessary to deploy, manage and maintain a Windows Server 2012 infrastructure, such as advanced networking services, Active Directory Domain Services (AD DS), Active Directory Rights Management Services (AD RMS), Active Directory Federation Services (AD FS), Network Load Balancing, Failover Clustering, business continuity and disaster recovery services as well as access and information provisioning and protection technologies such as Dynamic Access Control (DAC), and Web Application Proxy integration with AD FS and Workplace Join.

## Learning Objectives

- Configure advanced features for Dynamic Host Configuration Protocol (DHCP), Domain Name System (DNS), and configure IP Address Management (IPAM) with Windows Server 2012
- Configure and manage iSCSI, BranchCache and FSRM
- Configure DAC to manage and audit access to shared files
- Plan and implement an AD DS deployment that includes multiple domains and forests
- Plan and implement an AD DS deployment that includes locations
- Implement and configure an Active Directory Certificate Services (AD CS) deployment
- Implement an AD RMS deployment
- Implement an AD FS deployment
- Provide high availability and load balancing for web-based applications by implementing Network Load Balancing (NLB)
- Implement and validate high availability and load balancing for web-based applications by implementing NLB
- Provide high availability for network services and applications by implementing failover clustering
- Implement a failover cluster, and configure and validate a highly available network service
- Deploy and manage Hyper-V virtual machines in a failover cluster
- Implement a backup and disaster recovery

solution based on business and technical requirements

## Qualification

Certificate of Attendance

## Student Criteria

Before attending this course, students must have experience working with Windows Server 2008 or Windows Server 2012 servers day to day in an Enterprise environment

The course pre-requisites can be met by having knowledge equivalent to, or by attendance at, courses : Installing and Configuring Windows Server 2012 and Administering Windows Server 2012

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

N/A

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

# Automating Administration with PowerShell

Course ID

A3041

Remote Participation available: no

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

Learn how with Windows PowerShell 4.0, you can remotely manage multiple Windows based servers and automate day to day management and administration tasks.

The course is built on Windows Server 2012 R2 and Windows 8.1 and while it is specifically focused on Windows PowerShell v4.0, is also relevant in v2.0 and v3.0 Windows PowerShell environments.

This five day course provides students with the fundamental knowledge and skills to use Windows PowerShell 4.0 for administering and automating administration of Windows based servers. It focuses on primary Windows PowerShell command-line features and techniques, and will provide pre-requisite skills supporting a broad range of Microsoft products, including Windows Server, Windows Client, Exchange Server, SharePoint Server, SQL Server, System Center, and more. In keeping with that goal, this course will not focus on any one of those products, although Windows Server (which is the common platform for all of those) will serve as the example for the techniques being taught.

In this five day course you will learn to execute and monitor scripts more efficiently through more robust session connectivity, workflow capabilities, enhanced job scheduling, and Windows PowerShell Web Access. Learn Windows PowerShell with greater ease through improved cmdlet discovery and simplified, consistent syntax across all cmdlets. Write Windows PowerShell scripts quicker and more intuitively through the new Integrated Scripting Environment (ISE) that enables script sharing, which connects IT pros to a larger Windows PowerShell user community. Learn all this and more in this five-day Microsoft Official Course in Windows PowerShell 4.0.

## Learning Objectives

- Understand the basic concepts behind Windows PowerShell
- Work with the Pipeline
- Understand How the Pipeline Works
- Use PSProviders and PSDrives
- Format Output
- Use WMI and CIM
- Prepare for Scripting
- Moving From a Command to a Script to a Module
- Administer Remote Computers
- Put the various Windows PowerShell components together
- Use Background Jobs and Scheduled Jobs
- Use Advanced PowerShell Techniques and Profiles

## Qualification

## Certificate of Attendance

### Student Criteria

N/A

### Language Proficiency

In accordance with STANAG 6001: English SLP 3232

### Rank/Grade

CIV, All Ranks and Grades

### Special Instructions

N/A

### Security Clearance

NATO UNCLASSIFIED (NU)

### Pre-Course Study Material

N/A

### Background

N/A

### Prerequisite Course

N/A

### Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

# Advanced Automated Administration with PowerShell

Course ID

A3042

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 3

## Purpose of Course

Learn how to automate and streamline day to day management and administration tasks and functions in your Windows Server Infrastructure. Expand and build upon the knowledge already acquired in course: Automating Administration with PowerShell and focus on building more scalable and usable Windows PowerShell scripts for use in your organization by building your own Windows PowerShell tools. Learn about areas such as the creation of advanced functions, script modules, advanced parameters attributes and controller scripts. Also learn how to make your scripts more robust by learning about handling script errors and the analysis and debugging Windows PowerShell scripts. The course will also cover the use of Windows PowerShell cmdlets with .NET Framework as well as teaching how to configure your Windows Servers using Desired State Configuration and providing an understanding of Windows PowerShell workflow. The detailed hands on labs and in depth content and learning will help remove manual tasks that you may currently have to perform as an Administrator, allowing you to make your own Windows PowerShell tools for automated, repeated, accurate management and provisioning of your Windows Server infrastructure. This course will be delivered by a commercial provider selected by the NCI Agency.

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

N/A

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Learning Objectives

- Create Advanced Functions.
- Use Cmdlets and Microsoft .NET Framework in Windows PowerShell
- Write Controller Scripts. Handle Script Errors. Use XML Data Files
- Manage Server Configurations by Using Desired State Configuration
- Analyze and Debugging Scripts
- Understand Windows PowerShell Workflow

## Qualification

Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

# Agile Project Management Training for Practitioner & Foundation Certification

Course ID

**A3043**

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

Prepare to achieve your AgilePM Foundation and Practitioner certifications with this training course. As a certified AgilePM Practitioner, you will possess a deep knowledge of the Agile project management methodology, and demonstrate skills for developing solutions incrementally, enabling teams to handle changing requirements effectively, improving team collaboration, and empowering individuals. This course will be delivered by a commercial provider selected by the NCI Agency

## Learning Objectives

- Prepare for the AgilePM Foundation and Practitioner certification exams
- Establish and lead a successful Agile project with the methodology developed by the DSDM Consortium
- Review practical and repeatable practices for project managers in an Agile environment
- Apply Agile techniques, such as modelling, prioritising, timeboxing, user stories, and estimating
- Manage, define, and deliver a solution acceptable to the business

## Qualification

APMG AgilePM Foundation & Practitioner Certification and Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

Agile Project Management Handbook version 2

## Pre-Course Study Guide

### Background

It is useful to have had an involvement in projects, not necessarily as the project manager. An understanding of Agile concepts is preferred. Project management experience at level of Course: Project Management: Skills for Success, or Course: Project Management for Software Development, is recommended.

### Prerequisite Course

N/A

### Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

# Firewall: Manage Cyberthreats

Course ID

A3044

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 2

## Purpose of Course

This instructor-led course teaches strategies in defence against advanced threats. Successful completion of this course enables administrators to better understand the threat landscape. Students will learn the use of Palo Alto Networks Next-Generation firewalls, including the WildFire- product. This course will be delivered by a commercial provider selected by the NCI Agency.

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Learning Objectives

Threat Management Course is for students who want to understand Advanced Threats and their characteristics. Students will learn how to manage advanced threats using security policies, profiles, and signatures to protect their network against emerging threats.

## Qualification

Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

Students must complete the Firewall: Install, Configure, and Manage course and have an understanding of network concepts, including routing, switching, and IP addressing. They will also need in-depth knowledge of port-based security and security technologies such as IPX, proxy, and content filtering.

## Prerequisite Course

# Introduction to SQL Language

Course ID

A3045

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 3

## Purpose of Course

The ability to write the SQL language - the cornerstone of all relational database operations - is essential for anyone who develops database applications. In this training course, you learn how to optimise the accessibility and maintenance of data with the SQL programming language, and gain a solid foundation for building, querying, and manipulating databases. This course will be delivered by a commercial provider selected by the NCI Agency.

have a background in one particular dialect of SQL, you may be interested in learning how that dialect differs from the standard and from other dialects.

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Learning Objectives

- Write SQL code based on ANSI/ISO standards to build Microsoft SQL Server or Oracle database structures
- Update database content with SQL and transaction handling
- Retrieve data with filter conditions and from multiple tables using various types of join
- Process data with row and aggregate functions

## Qualification

Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

Experience working with a relational database and a familiarity with basic programming concepts are helpful but not required. Familiarity with fundamentals of database concepts is useful but not strictly required.

Prior SQL knowledge is not required. If you

# Network Configuration and Troubleshooting

Course ID

A3046

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 4

## Purpose of Course

The ability to provide users with constant access to critical data is essential for the success of today's rapidly evolving networks. In this training course, you gain a comprehensive set of tools and techniques needed to proficiently configure and maintain networks, as well as identify and resolve problems related to cables, wireless connections, protocols, and applications. This course will be delivered by a commercial provider selected by the NCI Agency.

available)

## Learning Objectives

- Configure, maintain, and troubleshoot multiple network configurations
- Implement VLANs in a switched network
- Access and secure your wireless network
- Manage IP address assignments and subnetting

## Qualification

Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

A solid networking foundation at the level of Course: Introduction to Networking, or equivalent experience, is assumed.

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if

# Penetration Testing Training: Tools and Techniques

Course ID

A3047

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 4

## Purpose of Course

The most effective way to discover weaknesses in your own network is using the same mindset and methods as hackers. In this GCHQ Certified cyber security training course, you learn how hackers compromise operating systems and evade anti-virus software, and acquire the skills to test and exploit your defences, and implement counter-measures to reduce risk in your enterprise. This course will be delivered by a commercial provider selected by the NCI Agency.

also helpful.

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Learning Objectives

- Deploy ethical hacking to expose weaknesses in your organisation
- Gather intelligence by employing reconnaissance, published data, and scanning tools
- Test and improve your security by compromising your network using hacking tools
- Protect against privilege escalation to prevent intrusions

## Qualification

Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

You should have experience with security issues at the level of Course ID 3029: Introduction to System and Network Security. A background knowledge in TCP/IP concepts is



# Defending the Perimeter from Cyber Attacks

Course ID

A3048

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 4

## Purpose of Course

This Defending the Perimeter from Cyber Attacks course will teach you to ensure the confidentiality, integrity, and availability of your organization's information by protecting your communications and data. You will learn how to define and implement security principles, install and customise secure firewalls, build Virtual Private Network (VPN) tunnels, and safeguard your organization's network perimeter against malicious attacks.

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Learning Objectives

- Fortify your network perimeter to provide an integrated defence
- Prevent or mitigate the effects of network attacks with a firewall
- Detect and respond to network attacks with Intrusion Detection and Prevention (IDP)
- Design, install, and configure secure Virtual Private Networks (VPNs)
- Mitigate the impact of Denial-of-Service (DoS) attacks

## Qualification

Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

It is recommended that attendees have basic security knowledge at the level of Course ID 3029: Introduction to System and Network Security. A working knowledge of TCP/IP and client server architecture is beneficial.

## Prerequisite Course

# Endpoint Security and Network Access Control

Course ID

A3049

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 4

## Purpose of Course

The most effective way to avoid security breaches from rogue or insecure systems is by detecting whom and what is connected to your networks. In this training course, you will learn how to control the admission, defence status, and configuration of all endpoints in your organisation, and gain the skills to better control access to intranet resources. This course will be delivered by a commercial provider selected by the NCI Agency.

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Learning Objectives

- Enforce security policies to protect sensitive data from internal and external threats
- Deploy Network Access Control to prevent malware infestation
- Implement Data Loss Prevention (DLP) through host-based IDS/IPS and endpoint encryption
- Regulate USB devices and optimise anti-malware

## Qualification

Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

Knowledge at the level of Course: System and Network Security Introduction, is assumed. Attendees should have basic knowledge of TCP/IP, switches or Active Directory.

## Prerequisite Course

# Advanced Persistent Threats: Targeted Attacks & Defences

Course ID

A3050

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 4

## Purpose of Course

To prevent a cyber attack from accessing sensitive data, organisations need to develop effective mitigation plans and countermeasures. In this training course, you gain the skills to identify comprehensive attacks, leverage defence methodologies, mitigate the risk of targeted attacks and cyber espionage, and assess inherent vulnerabilities that expose your organisation to advanced persistent threats. This course will be delivered by a commercial provider selected by the NCI Agency.

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Learning Objectives

- Proactively identify organisational weaknesses in order to mitigate the risk of Advanced Persistent Threats (APTs) and targeted attacks
- Assess and defend against the risk of cyber espionage
- Identify attack vectors and methods used by sophisticated attackers
- Expose and prevent the unauthorised exfiltration of critical organisational data

## Qualification

Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

Attendees should have a working knowledge of vulnerabilities and exploits, as well as social Engineering.

## Prerequisite Course

# CompTIA A+ Certification Exam Preparation

Course ID

A3051

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

In addition to preparing for the CompTIA A+ Essentials (220-901) and Practical Application (220-902) exams - required for CompTIA A+ Certification - this training provides the skills to install, configure, and optimise personal computer hardware and operating systems. This course also includes a Exam Cram book and access to Transcender test preparation materials. This course will be delivered by a commercial provider selected by the NCI Agency.

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Learning Objectives

- Prepare to pass the CompTIA A+ certification exams
- Apply tools and troubleshooting techniques for PCs and laptops
- Configure and optimise personal computers and laptops
- Evaluate Windows configuration and upgrading options

## Qualification

Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

Due to the comprehensive nature of the CompTIA A+ Essentials and IT Technician Exams, prospective students should have at least one year of on-the-job experience in PC configuration and troubleshooting before taking this exam preparation course.

## Prerequisite Course

# CompTIA Security+ Certification Exam Preparation

Course ID

A3052

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

In this training course, you gain the foundational knowledge needed to pass the CompTIA Security+ certification exam, and the skills to ensure compliance and operational security in your organisation. Included in your course tuition fee is a CompTIA Security+ Study Guide, which includes numerous practice exam questions. This course will be delivered by a commercial provider selected by the NCI Agency.

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Learning Objectives

- Prepare for and pass the CompTIA Security+ exam
- Confidently explain and define an array of security terminologies
- Navigate the complexity of secure communication protection
- Explore the concepts of network protection with firewalls and IDS
- Investigate privacy and integrity issues

## Qualification

Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

There are no specialized security requirements. However, a fundamental knowledge of networking and a background in information assurance issues are assumed.

## Prerequisite Course

# Implementing Cisco Network Security

Course ID

A3056

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

Implementing Cisco Network Security (IINS) v3.0 is a 5-day instructor-led course presented by Cisco Learning Partners to end users and channel partner customers. The course focuses on security principles and technologies, using Cisco security products to provide hands-on examples. Using instructor-led discussions, extensive hands-on lab exercises, and supplemental materials, this course allows learners to understand common security concepts, and deploy basic security techniques utilizing a variety of popular security appliances within a -real-life- network infrastructure. This course will be delivered by a commercial provider selected by the NCI Agency.

## Learning Objectives

Upon completion of the course, students will have the knowledge and skills to:

- Describe common network security concepts
- Secure routing and switching infrastructure
- Deploy basic authentication, authorization and accounting services
- Deploy basic firewalling services
- Deploy basic site-to-site and remote access VPN services
- Describe the use of more advanced security services such as intrusion protection, content security and identity management

## Qualification

This course is part of the following Certifications:  
Cisco Certified Network Associate Security (CCNA Security) and Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

Skills and knowledge equivalent to that learned in Interconnecting Cisco Network Devices Part 1 Version 3.0 (ICND1)

- Working knowledge of the Windows operating system
- Working knowledge of Cisco IOS networking and concepts

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

# Implementing Cisco IP Routing v2.0

Course ID

A3057

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

Implementing Cisco IP Routing (ROUTE) v2.0 is a five-day course designed to help learners prepare for Cisco CCNP certification. The ROUTE course is a component of the CCNP curriculum.

This ROUTE course is designed to provide professionals of medium-to-large network sites with information on the use of advanced routing in implementing scalability for Cisco routers that are connected to LANs and WANs. The goal is to train professionals to dramatically increase the number of routers and sites using these techniques instead of redesigning the network when additional sites or wiring configurations are added. The ROUTE training reinforces the instruction by providing learners with hands-on labs to ensure they thoroughly understand how to implement advanced routing within their networks. This course will be delivered by a commercial provider selected by the NCI Agency.

## Learning Objectives

- Describe routing protocols, different remote connectivity options, and their impact on routing and implementing RIPng
- Configure EIGRP in IPv4 and IPv6 environments
- Configure OSPF in IPv4 and IPv6 environments
- Implement route redistribution using filtering mechanisms
- Implement path control using policy-based routing and IP SLA
- Implement enterprise Internet connectivity
- Secure Cisco routers according to best practices and configure authentication for routing protocols

## Qualification

This course is part of the following Certifications:  
Cisco Certified Network Professional Routing and Switching (CCNP)  
Cisco Certified Internetwork Expert Service Provider (CCIESP Service Provider)  
Cisco Certified Design Professional (CCDP) and Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP

3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

The knowledge and skills that a learner must have before attending this curriculum are as follows:

- Describing network fundamentals
- Establishing Internet and WAN connectivity (IPv4 and IPv6)
- Managing network device security
- Operating a medium-sized LAN with multiple switches, supporting VLANs, trunking, and spanning tree
- Troubleshooting IP connectivity (IPv4 and IPv6)
- Configuring and troubleshooting EIGRP and OSPF (IPv4 and IPv6)
- Configuring devices for SNMP, syslog, and NetFlow access
- Managing Cisco device configurations, Cisco IOS images, and licenses

It is highly recommended that this course be taken after the following Cisco courses:  
-Interconnecting Cisco Network Devices Part 1 Version 3.0 (ICND1) and Interconnecting Cisco Network Devices Part 2 Version 3.0 (ICND2) or  
-Interconnecting Cisco Network Devices: Accelerated v3.0 (CCNAX)

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

# Implementing Cisco IP Switched Networks v2.0

Course ID

A3058

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

Implementing Cisco Switched Networks (SWITCH) v2.0 is a five-day instructor-led training course, designed to help students prepare to plan, configure, and verify the implementation of complex enterprise switching solutions for campus environments using the Cisco Enterprise Campus Architecture. These skills are validated in the Cisco CCNP Routing and Switching certification, a professional-level certification specializing in the routing and switching field.

This course is a component of the Cisco CCNP Routing and Switching curriculum. This course is designed to give students a firm understanding of how to manage switches in an enterprise campus environment. This training class reinforces the instruction by providing students with hands-on labs. This course will be delivered by a commercial provider selected by the NCI Agency.

## Learning Objectives

Upon completing this course, you will be able to:

- Describe the hierarchical campus structure, basic switch operation, use of SDM templates, PoE, and LLDP
- Implement VLANs and trunks, explain VTP, implement DHCP in IPv4 and IPv6 environments, and configure port aggregation
- Implement and optimize the STP mechanism that best suits your network: PVST+, Rapid PVST+, or MST
- Configure routing on a multilayer switch
- Configure NTP, SNMP, IP SLA, and port mirroring, and verify StackWise and VSS operation
- Implement first-hop redundancy in IPv4 and IPv6 environments
- Secure the campus network according to recommended practices

## Qualification

This course is part of the following

Certifications:

Cisco Certified Network Professional Routing and Switching (CCNP)

Cisco Certified Design Professional (CCDP) and Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP

3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

The knowledge and skills that a learner must have before attending this curriculum are as follows:

- Describing network fundamentals
- Establishing Internet and WAN connectivity (IPv4 and IPv6)
- Managing network device security
- Operating a medium-sized LAN with multiple switches, supporting VLANs, trunking, and spanning tree
- Troubleshooting IP connectivity (IPv4 and IPv6)
- Configuring and troubleshooting EIGRP and OSPF (IPv4 and IPv6)
- Configuring devices for SNMP, syslog, and NetFlow access
- Managing Cisco device configurations, Cisco IOS images, and licenses

It is highly recommended that this course be taken after the following Cisco courses:

- Interconnecting Cisco Network Devices Part 1 Version 3.0 (ICND1) and Interconnecting Cisco Network Devices Part 2 Version 3.0 (ICND2), or
- Interconnecting Cisco Network Devices: Accelerated v3.0 (CCNAX)

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)



# Troubleshooting and Maintaining Cisco IP Networks v2.0

Course ID

A3059

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

Troubleshooting and Maintaining Cisco IP Networks (TSHOOT) v2.0 is a five-day course designed to help network professionals hone the skills and knowledge needed to maintain their network and to diagnose and resolve network problems quickly and effectively. It also assists the network professional in preparing for Cisco CCNP certification. The TSHOOT course is a component of the CCNP curriculum.

The TSHOOT course is designed to teach professionals that work in complex network environments the necessary skills to maintain their networks and to diagnose and resolve network problems quickly and effectively. The course will provide information about troubleshooting and maintaining particular technologies, as well as procedural and organizational aspects of the troubleshooting and maintenance process. A large part of the training will consist of practicing these skills and reinforcing the concepts by putting them to use in a controlled environment. At the end of the course, the learners will have increased their skill level and developed as set of best practices based on their own and other learners' experiences that they can take back to their organizations. This course will be delivered by a commercial provider selected by the NCI Agency.

## Learning Objectives

Upon completing this course, the learner will be able to meet these overall objectives:

- Describe the troubleshooting tools and methodologies that are used to identify and resolve issues in complex enterprise networks
- Isolate and fix the network issues that your company, SECHNIK Networking Ltd., is facing
- Isolate and fix the network issues that your customer, TINC Garbage Disposal Ltd., is facing
- Isolate and fix the network issues that your customer, PILE Forensic Accounting Ltd., is facing
- Isolate and fix the network issues that your customer, Bank of POLONA Ltd., is facing
- Isolate and fix the network issues that your customer, RADULKO Transport Ltd., is facing

## Qualification

This course is part of the following Certifications:

Cisco Certified Network Professional Routing and Switching (CCNP) and Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

The knowledge and skills that a learner must have before attending this course are as follows:

- Cisco CCNA certification
- Knowledge and experience of the implementation and verification of enterprise routing and switching technologies as offered by the Implementing Cisco IP Switched Networks v2.0 (SWITCH) and Implementing Cisco IP Routing v2.0 (ROUTE) courses or equivalent skills and knowledge

Note: In addition to CCNA certification it is recommended that the learner has practical experience in installing, operating and maintaining Cisco routers and switches in an enterprise environment.

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

# CCNA Bootcamp

Course ID

A3060

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 8

## Purpose of Course

The CCNA R&S curriculum includes CCNA Bootcamp Version 3.0, which is a composite course derived from ICND1 and ICND2 content merged into a single course and delivered over 8 days. Overlapping content between ICND1 and ICND2 is eliminated and some content is rearranged for the purpose of the course flow, which is delivered at a slightly accelerated pace. This course teaches learners how to install, operate, configure, and troubleshoot basic IPv4 and IPv6 networks, including configuring a LAN switch, configuring an IP router, identifying basic security threats, understanding redundant topologies, troubleshooting common network issues, connecting to a WAN, configuring EIGRP and OSPF in both IPv4 and IPv6, understanding wide-area network technologies, and getting familiar with device management and Cisco licensing.

Key additions to this latest revision include an understanding of Quality of Service (QoS) elements and their applicability, how virtualized and cloud services will interact and impact enterprise networks, and an overview of network programmability with the related controller types and tools that are available to support software defined network architectures.

Also included is the understanding the interactions and network functions of firewalls, wireless controllers and access points, along with additional focus on IPv6 and basic network security. A full suite of labs have been developed using the virtual IOS environment with flexible topologies that reinforce concepts with hands-on, guided discovery and challenge labs that align to each lesson module. This course will be delivered by a commercial provider selected by the NCI Agency.

## Learning Objectives

Upon completing this course, the learner will be able to meet these overall objectives:

- Describe network fundamentals and build simple LANs
- Establish Internet connectivity
- Manage and secure network devices
- Operate a medium-sized LAN with multiple switches, supporting VLANs, trunking, and spanning tree
- Troubleshoot IP connectivity
- Describe how to configure and troubleshoot EIGRP in an IPv4 environment, and configure EIGRP for IPv6
- Configure and troubleshoot OSPF in an IPv4 environment and configure OSPF for IPv6
- Define characteristics, functions, and components of a WAN
- Describe how device management can be implemented using the traditional and intelligent ways.
- Understand QoS, virtualization and cloud services, and network programmability related

to WAN, access and core segments.

## Qualification

This course is part of the following Certifications:

Cisco Certified Network Associate Routing and Switching (CCNA) and Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

The knowledge and skills that a learner must have before attending this course are as follows:

- Basic computer literacy
- Basic PC operating system navigation skills
- Basic Internet usage skills
- Basic IP address knowledge

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

# Crystal Reports

Course ID

A3061

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 4

## Purpose of Course

Gain the knowledge and skills to link multiple data sources and create effective presentations using Crystal Reports. With this training course, you will return to your organisation with a detailed process to help you retrieve and format data, create meaningful reports for widespread distribution, and integrate your reports with a website or application, such as .NET. This course will be delivered by a commercial provider selected by the NCI Agency.

The course starts off with a Crystal Reports introduction, and moves on to intermediate and advanced topics covering the gamut of the product. All backgrounds will benefit from taking this course.

## Prerequisite Course

N/A

## Learning Objectives

You will learn how to:

- Develop reports to transform data into meaningful information
- Create advanced graphical and crosstab reports
- Add calculations and program logic with the Formula Workshop
- Connect to data sources and extract data to meet reporting needs
- Deploy reports via HTML, Visual Basic, and .NET

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Qualification

Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

While no formal background is required, you should be comfortable using Windows and working with a spreadsheet or word processor. Experience working with formulas in a spreadsheet program is also helpful.

# Advanced Solutions of Microsoft SharePoint 2013

Course ID

A3062

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

This five-day course examines how to plan, configure, and manage a Microsoft SharePoint Server 2013 environment. Special areas of focus include implementing high availability, disaster recovery, service application architecture, Business Connectivity Services, social computing features, productivity and collaboration platforms and features, business intelligence solutions, enterprise content management, web content management infrastructure, solutions, and apps. The course also examines how to optimize the Search experience, how to develop and implement a governance plan, and how to perform an upgrade or migration to SharePoint Server 2013. This course helps you prepare for the Advanced Solutions of Microsoft SharePoint Server 2013 certification exam. This course will be delivered by a commercial provider selected by the NCI Agency.

## Learning Objectives

- Describe the core features of SharePoint 2013
- Plan and design a SharePoint 2013 environment to meet requirements for high availability and disaster recovery
- Plan and implement a service application architecture for a SharePoint 2013 deployment
- Configure and manage Business Connectivity Services features in a SharePoint 2013 deployment
- Plan and configure social computing features
- Plan and configure productivity and collaboration platforms and features
- Plan and configure Business Intelligence solutions
- Optimize the search experience for an enterprise environment
- Plan and configure enterprise content management in a SharePoint 2013 deployment
- Plan and configure a web content management infrastructure to meet business requirements
- Manage solutions in a SharePoint 2013 deployment
- Configure and manage apps in a SharePoint Server 2013 environment
- Develop and implement a governance plan for SharePoint Server 2013
- Perform an upgrade or migration to SharePoint Server 2013

## Qualification

Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

Before attending this course, students must have:

- Completed Course: Core Solutions of Microsoft SharePoint Server 2013, successful completion of Exam: Core Solutions of Microsoft SharePoint 2013, or equivalent skills.
- At least one year's experience of mapping business requirements to logical and physical technical design.
- Working knowledge of network design, including network security.
- Experience managing software in a Windows 2008 R2 enterprise server or Windows Server 2012 environment.
- Deployed and managed applications natively, virtually, and in the cloud.
- Administered Internet Information Services (IIS).
- Configured Active Directory for use in authentication, authorization and as a user store.
- Managed an application remotely using Windows PowerShell 2.0.
- Connected applications to Microsoft SQL Server.
- Implemented Claims-based security.

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

# Developing SharePoint Server 2013 Core Solutions

Course ID

A3063

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

In this course, students learn core skills that are common to almost all SharePoint development activities. These include working with the server-side and client-side object models, developing and deploying features, solutions, and apps, managing identity and permissions, querying and updating list data, managing taxonomy, using workflow to manage business processes, and customizing the user interface.

This course helps you prepare for the Developing Microsoft SharePoint Server 2013 Core Solutions certification exam.

This course will be delivered by a commercial provider selected by the NCI Agency.

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

Before attending this course, students must have:

- A working knowledge of using Visual Studio 2010 or Visual Studio 2012 to develop solutions.
- A basic working knowledge of SharePoint solution development, either in SharePoint 2013 or in earlier versions of SharePoint.
- A working knowledge of Visual C# and the .NET Framework 4.5.
- A basic understanding of ASP.NET and server-side web development technologies, including request/response and the page lifecycle.
- A basic understanding of AJAX and asynchronous programming techniques.
- A basic working knowledge of client-side web technologies including HTML, CSS, and JavaScript.
- Familiarity with approaches to authentication and authorization, including claims-based authentication.

## Learning Objectives

- Design and manage features and solutions
- Develop code for custom server-side components
- Manage and customize authentication and authorization
- Create custom sites and lists and manage the site lifecycle
- Explain the capabilities and design choices for SharePoint apps
- Use the client-side object model and the REST API
- Develop provider-hosted and auto-hosted SharePoint apps
- Distribute and deploy SharePoint apps
- Create custom workflows to automate business processes
- Use fields and content types to manage taxonomy
- Customize the appearance and behaviour of user interface elements
- Customize navigation and site branding

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Qualification

Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

# Planning and Administering SharePoint 2016

Course ID

A3064

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

This five-day course will provide you with the knowledge and skills to plan and administer a Microsoft SharePoint 2016 environment. The course teaches you how to deploy, administer, and troubleshoot your SharePoint environment. This course also provides guidelines, best practices, and considerations that help you optimize your SharePoint deployment.

This is the first in a sequence of two courses for IT professionals and is aligned with the SharePoint 2016 IT Pro certification.

This course will be delivered by a commercial provider selected by the NCI Agency.

## Learning Objectives

- Describe the key features of SharePoint 2016
- Design an information architecture for a SharePoint 2016 deployment
- Design a logical architecture for a SharePoint 2016 deployment
- Design the physical architecture for a SharePoint 2016 deployment
- Install and configure SharePoint 2016
- Create and configure web applications and site collections
- Plan and configure service applications for a SharePoint 2016 deployment
- Manage users and permissions, and secure content in a SharePoint 2016 deployment
- Configure authentication in a SharePoint 2016 deployment
- Configure platform and farm-level security in a SharePoint 2016 deployment
- Manage information taxonomy in SharePoint web applications and site collections
- Configure and manage user profiles and audiences
- Configure and manage the search experience in SharePoint 2016
- Monitor, maintain, and troubleshoot a SharePoint 2016 deployment

## Qualification

Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

Before attending this course, students must have knowledge of:

- Software management in a Windows Server 2012 or Windows Server 2012 R2 enterprise server environment
- Deploying and managing applications natively, virtually, and in the cloud
- Administering IIS
- Configuring AD DS for use in authentication, authorization, and as a user store
- Managing an application remotely by using Windows PowerShell 4.0
- Managing databases and server roles in SQL Server
- Connecting applications to SQL Server
- Implementing claims-based security
- Using Microsoft Hyper-V virtual machines

An ideal candidate for this course must have at least one year of experience with deploying and administering multiple SharePoint 2013 farms across a large enterprise. Because many customers have not upgraded from SharePoint 2010, a candidate can also have at least two years of experience with SharePoint 2010. However, they also must understand the differences between SharePoint 2010 and SharePoint 2013, particularly in terms of hybridization

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

# Advanced Solutions of Microsoft Exchange Server 2013

Course ID

A3065

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

This course will provide you with the knowledge and skills to configure and manage a Microsoft Exchange Server 2013 messaging environment. This course will teach you how to configure Exchange Server 2013, and it will provide guidelines, best practices, and considerations that will help you optimize your Exchange Server deployment. This course helps you prepare for the Advanced Solutions of Microsoft Exchange Server 2013 certification exam. This course will be delivered by a commercial provider selected by the NCI Agency.

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

In addition to their professional experience, students who attend this training should already have the following technical knowledge:

Passed: Core Solutions of Microsoft Exchange Server 2013, or equivalent

Minimum of two years of experience working with Exchange Server

Minimum of six months of experience working with Exchange Server 2010 or Exchange Server 2013

Minimum of two years of experience administering Windows Server, including Windows Server 2008 R2 or Windows Server 2012

Minimum of two years of experience working with Active Directory

Minimum of two years of experience working with name resolution, including DNS

Experience working with certificates, including public key infrastructure (PKI) certificates

Experience working with Windows PowerShell

## Learning Objectives

- Design and implement Exchange Server 2013 Unified Messaging
- Design and implement site resiliency for Exchange Server 2013
- Plan a virtualization strategy for Exchange Server 2013 roles
- Design and implement message transport security
- Design and implement message retention in Exchange Server 2013
- Design and implement messaging compliance
- Design and implement administrative security in an Exchange Server 2013 environment
- Use the Windows PowerShell 3.0 command-line interface to manage Exchange Server 2013
- Design and implement integration with Exchange Online
- Design and implement messaging coexistence
- Design and implement Exchange Server migrations from non-Exchange messaging systems, and upgrades from previous Exchange Server versions

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Qualification

Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions



# Querying Microsoft SQL Server 2014

Course ID

A3066

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

This 5-day instructor led course provides students with the technical skills required to write basic Transact-SQL queries for Microsoft SQL Server 2014. This course is the foundation for all SQL Server-related disciplines; namely, Database Administration, Database Development and Business Intelligence.

Note: This course is designed for customers who are interested in learning SQL Server 2012 or SQL Server 2014. It covers the new features in SQL Server 2014, but also the important capabilities across the SQL Server data platform.

This course helps you prepare for the Querying Microsoft SQL Server 2012/2014 certification exam. This exam will be the underlying exam for all SQL Server-related disciplines; namely, Database Administration, Database Development and Business Intelligence. As such, the primary target audience for this course is: Database Administrators, Database Developers and BI professionals. This course will be delivered by a commercial provider selected by the NCI Agency.

3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

Working knowledge of relational databases. Basic knowledge of the Microsoft Windows operating system and its core functionality.

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Learning Objectives

- Describe the basic architecture and concepts of Microsoft SQL Server 2014
- Understand the similarities and differences between Transact-SQL and other computer languages
- Write SELECT queries
- Query multiple tables
- Sort and filter data
- Describe the use of data types in SQL Server
- Modify data using Transact-SQL
- Use built-in functions
- Group and aggregate data
- Use subqueries
- Use table expressions
- Use set operators
- Use window ranking, offset and aggregate functions
- Implement pivoting and grouping sets
- Execute stored procedures
- Program with T-SQL
- Implement error handling
- Implement transactions

## Qualification

Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP



# Administering Microsoft SQL Server 2014 Databases

Course ID

A3067

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

This five-day instructor-led course provides students with the knowledge and skills to maintain a Microsoft SQL Server 2014 database. The course focuses on teaching individuals how to use SQL Server 2014 product features and tools related to maintaining a database.

Note: This course is designed for customers who are interested in learning SQL Server 2012 or SQL Server 2014. It covers the new features in SQL Server 2014, but also the important capabilities across the SQL Server data platform.

This course helps you prepare for the Administering Microsoft SQL Server 2012/2014 Databases certification exam.

This course will be delivered by a commercial provider selected by the NCI Agency.

## Learning Objectives

- Describe core database administration tasks and tools.
- Install and configure SQL Server 2014.
- Configure SQL Server databases and storage.
- Plan and implement a backup strategy.
- Restore databases from backups.
- Import and export data. Monitor SQL Server.
- Trace SQL Server activity.
- Manage SQL Server security.
- Audit data access and encrypt data.
- Perform ongoing database maintenance.
- Automate SQL Server maintenance with SQL Server Agent Jobs.
- Configure Database Mail, alerts and notifications.

## Qualification

Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

This course requires that you meet the following prerequisites:

- Basic knowledge of the Microsoft Windows operating system and its core functionality.
- Working knowledge of Transact-SQL.
- Working knowledge of relational databases.
- Some experience with database design.

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

# Implementing a Data Warehouse with Microsoft SQL Server 2014

Course ID

A3068

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

This course describes how to implement a data warehouse platform to support a BI solution. Students will learn how to create a data warehouse with Microsoft SQL Server 2014, implement ETL with SQL Server Integration Services, and validate and cleanse data with SQL Server Data Quality Services and SQL Server Master Data Services.

Note: This course is designed for customers who are interested in learning SQL Server 2012 or SQL Server 2014. It covers the new features in SQL Server 2014, but also the important capabilities across the SQL Server data platform.

This course helps you prepare for the Implementing a Data Warehouse with Microsoft SQL Server 2012/2014 certification exam.

This course will be delivered by a commercial provider selected by the NCI Agency.

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

This course requires that you meet the following prerequisites:

- At least 2 years- experience of working with relational databases, including:
- Designing a normalized database.
- Creating tables and relationships.
- Querying with Transact-SQL.
- Some exposure to basic programming constructs (such as looping and branching).

## Learning Objectives

- Describe data warehouse concepts and architecture considerations
- Select an appropriate hardware platform for a data warehouse
- Design and implement a data warehouse
- Implement Data Flow in an SSIS Package
- Implement Control Flow in an SSIS Package
- Debug and Troubleshoot SSIS packages
- Implement an ETL solution that supports incremental data extraction
- Implement an ETL solution that supports incremental data loading
- Implement data cleansing by using Microsoft Data Quality Services
- Implement Master Data Services to enforce data integrity
- Extend SSIS with custom scripts and components
- Deploy and Configure SSIS packages
- Describe how BI solutions can consume data from the data warehouse

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Qualification

Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

# Developing Microsoft SQL Server 2014 Databases

Course ID

A3069

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

The focus of this three-day instructor-led course is on planning and implementing enterprise database infrastructure solutions by using SQL Server 2014 and other Microsoft technologies. It describes how to consolidate SQL Server workloads and how to plan and implement high availability and disaster recovery solutions.

Note: This course is designed for customers who are interested in learning SQL Server 2012 or SQL Server 2014. It covers the new features in SQL Server 2014, but also the important capabilities across the SQL Server data platform.

This course helps you prepare for the Developing Microsoft SQL Server Databases certification exam.

This course will be delivered by a commercial provider selected by the NCI Agency.

- Learn appropriate uses for SQL CLR integration and implement an existing .NET assembly within SQL Server.
- Store XML data and schemas in SQL Server.
- Perform basic queries on XML data in SQL Server.

## Qualification

Certificate of Attendance.

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Learning Objectives

- Introduce the entire SQL Server platform and its major tools. It will cover editions, versions, basics of network listeners, and concepts of services and service accounts.
- Determine appropriate data types to be used when designing tables, convert data between data types, and create alias data types.
- Be aware of good design practices regarding SQL Server tables and be able to create tables using T-SQL. (Note: partitioned tables are not covered).
- Implement PRIMARY KEY, FOREIGN KEY, DEFAULT, CHECK and UNIQUE constraints, and investigate cascading FOREIGN KEY constraints.
- Determine appropriate single column and composite indexes strategies.
- Create tables as heaps and tables with clustered indexes. Also consider the design of a table and suggest an appropriate structure.
- Read and interpret details of common elements from execution plans.
- Design effective non-clustered indexes.
- Design and implement views.
- Design and implement stored procedures.
- Work with table types, table valued parameters and use the MERGE statement to create stored procedures that update data warehouses.
- Design and implement functions, both scalar and table-valued. (Also describe where they can lead to performance issues).
- Perform basic investigation of a deadlock situation and learn how transaction isolation levels affect application concurrency.
- Use both traditional T-SQL error handling code and structured exception handling.
- Design and implement DML triggers.

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

This course requires that you meet the following prerequisites:

- Knowledge of writing T-SQL queries.
- Knowledge of basic relational database concepts.

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

# Designing Solutions for Microsoft SQL Server 2014

Course ID

A3070

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 3

## Purpose of Course

The focus of this three-day instructor-led course is on planning and implementing enterprise data-base infrastructure solutions by using SQL Server 2014 and other Microsoft technologies. It describes how to consolidate SQL Server workloads and how to plan and implement high availability and disaster recovery solutions.

Note: This course is designed for customers who are interested in learning SQL Server 2012 or SQL Server 2014. It covers the new features in SQL Server 2014, but also the important capabilities across the SQL Server data platform.

This course will be delivered by a commercial provider selected by the NCI Agency.

- Some basic knowledge of high availability and disaster recovery

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Learning Objectives

- Assess an existing enterprise environment
- Plan and implement Policy-Based Management
- Describe the considerations for consolidating workloads with SQL Server 2014
- Describe considerations for including SQL Server 2014 in a private cloud

## Qualification

Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

At least 2 years- experience of working with relational databases, including:

- Planning and implementing databases
- Managing databases
- Querying with Transact-SQL

# Implementing Data Models and Reports with Microsoft SQL Server 2014

Course ID

A3071

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

The focus of this five-day instructor-led course is on creating managed enterprise BI solutions. It describes how to implement multidimensional and tabular data models, deliver reports with Microsoft SQL Server Reporting Services, create dashboards with Microsoft SharePoint Server PerformancePoint Services, and discover business insights by using data mining.

Note: This course is designed for customers who are interested in learning SQL Server 2012 or SQL Server 2014. It covers the new features in SQL Server 2014, but also the important capabilities across the SQL Server data platform.

This course helps you prepare for the Implementing Data Models and Reports with Microsoft SQL Server certification exam.

This course will be delivered by a commercial provider selected by the NCI Agency.

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

At least 2 years- experience of working with relational databases, including:

- Designing a normalized database.
- Creating tables and relationships.
- Querying with Transact-SQL.
- Some basic knowledge of data warehouse schema topology (including star and snowflake schemas).
- Some exposure to basic programming constructs (such as looping and branching).
- An awareness of key business priorities such as revenue, profitability, and financial accounting is desirable.

## Learning Objectives

- Describe the components, architecture, and nature of a BI solution
- Create a multidimensional database with Analysis Services
- Implement dimensions in a cube
- Implement measures and measure groups in a cube
- Use MDX Syntax
- Customize a cube
- Implement a Tabular Data Model in SQL Server Analysis Services
- Use DAX to enhance a tabular model
- Create reports with Reporting Services
- Enhance reports with charts and parameters
- Manage report execution and delivery
- Implement a dashboard in SharePoint Server with PerformancePoint Services
- Use Data Mining for Predictive Analysis

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Qualification

Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

# Designing Business Intelligence Solutions with Microsoft SQL Server 2014

Course ID

A3072

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

This training course teaches database and business intelligence (BI) professionals how to plan and design a BI solution that is based on Microsoft SQL Server 2014 and other Microsoft BI technologies.

This course helps you prepare for the Designing Business Intelligence Solutions with Microsoft SQL Server certification exam.

This course will be delivered by a commercial provider selected by the NCI Agency.

## Learning Objectives

- Plan a BI solution
- Plan SQL Server BI infrastructure
- Design a data warehouse
- Design an extract, transform and load (ETL) solution
- Design analytical data models
- Plan a BI delivery solution
- Design a Reporting Services solution
- Design a Microsoft Excel-based reporting solution
- Plan a SharePoint Server BI solution
- Monitor and optimize a BI solution
- Operate a BI solution

## Qualification

Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

In addition to their professional experience, students who attend this training should already have the following technical

knowledge:

- A basic understanding of dimensional modelling (star schema) for data warehouses
- Basic server hardware knowledge
- The ability to create Integration Services packages that include control flows and data flows
- The ability to create a basic multidimensional cube with Analysis Services
- The ability to create a basic tabular model with PowerPivot and Analysis Services
- The ability to create Reporting Services reports with Report Designer
- The ability to implement authentication and permissions in the SQL Server database engine, Analysis Services, and Reporting Services
- Familiarity with SharePoint Server and Microsoft Office applications - particularly Excel

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## PMI-Agile Certified Practitioner (PMI-ACP) Exam Prep

Course ID

A3073

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 3

## Purpose of Course

Prepare to achieve your PMI Agile Certified Practitioner (PMI-ACP) certification and earn 21 Professional Development Units (PDUs) with this training course. Through real-life scenarios, you will review Agile terminology and well-known practices, and leverage PMI's seven domains of practice to create a personalised self-study plan and increase the effectiveness of your exam preparation. This course will be delivered by a commercial provider selected by the NCI Agency.

course.

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Learning Objectives

- Prepare for the PMI-ACP exam while completing the required 21 contact hours/ PDUs
- Navigate the tools, techniques, knowledge, and skills addressed in the exam
- Review relevant topics in the PMI suggested reference materials
- Practise for the exam with sample questions and exercises

## Qualification

Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

This course is valuable for experienced or aspiring Agile certified practitioners who are planning to take the PMI-ACPSM exam in the near future. A general project management background and additional Agile development experience is assumed prior to taking this

# Interconnecting Cisco Network Devices Part 1

Course ID

A3074

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

The Interconnecting Cisco Networking Devices, Part 1 (ICND1) v3.0 course provides you with the knowledge and skills that are needed how to install, operate, configure, and verify a basic IPv4 and IPv6 network, including configuring a LAN switch, configuring an IP router, managing network devices, and identifying basic security threats. The course focuses on the functions of networking, knowledge of Cisco routers and switches, establishing internet connectivity, managing ACLs, configuring device security, implementing VLANs and trunks, configuring static routing and RIPv2, and becoming familiar with IPv6. You will also learn how to perform basic troubleshooting steps in enterprise branch office networks, preparing learners for Cisco CCNA certification. This course will be delivered by a commercial provider selected by the NCI Agency.

N/A

## Background

- Basic computer literacy
- Basic PC Operating System navigation skills
- Basic Internet usage skills
- Basic IP addressing knowledge

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Learning Objectives

- Describe network fundamentals and build simple LANs
- Establish Internet connectivity
- Manage network device security
- Expand small- to medium-sized networks with WAN connectivity
- Describe IPv6 basics

## Qualification

This course is part of the following Certifications:  
Cisco Certified Entry Networking Technician (CCENT)  
Cisco Certified Network Associate Routing and Switching (CCNA) and Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material



# Interconnecting Cisco Network Devices Part 2

Course ID

A3075

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

The Interconnecting Cisco Networking Devices, Part 2 (ICND2) v3.0 course provides you with the knowledge and skills needed to install, configure, operate, and troubleshoot a small enterprise network.

Key additions to this latest revision include; understanding of Quality of Service (QoS) elements and their applicability, how virtualized and cloud services will interact and impact enterprise networks, along with an overview of network programmability and the related controller types and tools that are available to support software defined network architectures. This course will be delivered by a commercial provider selected by the NCI Agency.

- Basic PC Operating System navigation skills
- Basic Internet usage skills
- Basic IP addressing knowledge

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Learning Objectives

- Install, operate, and troubleshoot a medium-sized network, including connecting to a WAN and implementing network security
- Describe the effects of new technologies such as IoT, IOT, IWAN, and SDN on network evolution

## Qualification

This course is part of the following Certifications:

Cisco Certified Network Associate Routing and Switching (CCNA) and Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

- Basic computer literacy

## ISTQB Certified Tester: Foundation Certification Exam Prep

Course ID

A3076

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 3

## Purpose of Course

Prepare for and pass the ISTQB-BCS Certified Tester Foundation Level Exam with this training course. As an ISTQB-BCS Certified Tester, you will be able to evaluate static testing, utilise test design techniques, incorporate test management practices within an organisation, and build testing methods to correctly design functional and maintainable products. This course will be delivered by a commercial provider selected by the NCI Agency.

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Learning Objectives

- Prepare for and pass the ISTQB Certified Tester Foundation Level Exam
- Apply general software testing principles and fundamental test processes
- Implement test levels and types to various software development models
- Conduct static techniques using proper roles, responsibilities, and tools
- Manage testing, planning, estimating, monitoring, and controlling

## Qualification

Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

You should have a basic familiarity with the software development process. Some familiarity with programming languages and concepts is helpful but not required.

## Prerequisite Course

# VMware vSphere: Install, Configure, Manage (V6.5)

Course ID

A3079

Remote Participation available: no

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

VMware vSphere: Install, Configure, Manage (V6.5) is a five day course providing intensive hands-on training that focuses on installing, configuring and managing VMware vSphere 6.5, which includes VMware ESXi 6.5 and VMware vCenter Server 6.5. This course prepares you to administer a vSphere infrastructure for an organization of any size and is the foundation for most other VMware technologies in the software defined data center. This course will be delivered by a commercial provider selected by the NCI Agency.

N/A

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Learning Objectives

By the end of the course, you will be able to:

- Describe the software-defined data center.
- Explain the vSphere components and their function in the infrastructure.
- Deploy an ESXi host. Deploy VMware vCenter Server Appliance.
- Use a local content library as an ISO store and deploy a virtual machine.
- Describe vCenter Server architecture. Use vCenter Server to manage an ESXi host.
- Configure and manage vSphere infrastructure with VMware vSphere Client and VMware vSphere Web Client.
- Describe virtual networks with vSphere standard.

## Qualification

Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

# Preparing for TOGAF Certification

Course ID

A3080

Remote Participation available: no

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 15

Course Length (working days): 4

## Purpose of Course

Utilise The Open Group Architecture Framework (TOGAF) 9.1 to develop a large range of IT architectures. With this training, you will learn how to speed up and simplify development while ensuring the evolving system remains responsive to business change and is legally compliant. Using TOGAF results in consistent enterprise architecture that reflects stakeholder needs, and considers current and future needs of the business. Included in your course tuition is a voucher that enables you to take the exam at any PearsonVUE Testing Centre. This course will be delivered by a commercial provider selected by the NCI Agency.

needed to pass the exam.

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Learning Objectives

- Identify opportunities for achieving business and IT alignment
- Apply a process for creating architectures through TOGAF's Architecture Development Method (ADM)
- Create an organisation-specific architecture capability
- Voucher for TOGAF Foundation (Part 1) and Certified (Part 2) exams included.

## Qualification

Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

While familiarity with TOGAF 9 is beneficial, the course has no official prerequisites, and provides attendees with the level of detail

## CA Spectrum r10.1: Foundations 200

Course ID

A3082

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 10

Course Length (working days): 5

## Purpose of Course

This course will show you how to successfully deploy CA Spectrum. You will learn about fault management, alarm forwarding, and getting the most from OneClick functionality. You will also be provided with the knowledge to enable you to implement, operate, and maintain a large-scale deployment. In addition, the benefits of installing add-ons will be illustrated using the CA Spectrum Network Fault Manager Report Manager.

## Learning Objectives

- Implement CA Spectrum to optimize your implementation and maximize your return on investment.
- Model the network with CA Spectrum Discovery to create and automate network management tasks to keep your network model accurate.
- Customize a topology view to make it easier to understand.
- Configure user security to help ensure that only authorized users gain access to specific network components.
- Manage CA Spectrum databases so you can quickly restore it in the event of a system failure.
- Investigate fault isolation and alarm notification to resolve alarms efficiently.
- Establish a distributed SpectroSERVER environment to manage your network that might be too large or geographically remote to manage with a single SpectroSERVER.
- Create a fault-tolerant environment to automatically assume control of network monitoring.

## Qualification

Certificate of Attendance

## Student Criteria

- System Administrators
- Network Administrators
- Implementation Consultants

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

- Working knowledge of networking
- Familiarity with Simple Network Management Protocol (SNMP)

## Background

- Working knowledge of networking
- Familiarity with Simple Network Management Protocol (SNMP)

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

# Emotional Intelligence: Achieving Leadership Success

Course ID

A3083

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 3

## Purpose of Course

The most effective and successful leaders in organisations today have a high level of emotional intelligence, also referred to as Emotional Quotient (EQ). Through self-management tools and techniques, this training course provides you with the strategies to manage your emotions, respond usefully to the emotions of others, and improve personal effectiveness and team performance. This course will be delivered by a commercial provider selected by the NCI Agency.

CAT D: Pricing applied to seats and MTTs (if available)

## Learning Objectives

- Develop greater self-awareness and strengthen your leadership
- Apply four core emotional intelligence competencies for achieving results
- Demonstrate the attributes of an emotionally intelligent leader
- Respond to difficult people by inspiring and fostering respect
- Build and maintain an emotionally intelligent team

## Qualification

Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

N/A

## Prerequisite Course

N/A

## Value Notes

# Certified in Risk and Information Systems Control (CRISC) Exam Preparation

Course ID

**A3084**

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 4

## Purpose of Course

IT and enterprise risk management is key to an organizations operations and strategy. This official ISACA CRISC certification course provides you with in-depth coverage on the four CRISC domains: risk identification; IT risk assessment; risk response and mitigation; risk and control monitoring and reporting. This CRISC training course is designed specifically for IT professionals, risk and control professionals, business analysts, project managers and compliance professionals. This course will be delivered by a commercial provider selected by the NCI Agency.

N/A

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Learning Objectives

- Prepare for and pass the Certified Risk and Information System Controls (CRISC) exam.
- Identify the universe of IT risk to contribute to the execution of the IT risk management strategy
- Analyse and evaluate IT risk to determine the likelihood and impact on business objectives
- Determine risk response options and evaluate their efficiency and effectiveness to manage risk
- Continuously monitor and report on IT risk and controls

## Qualification

ISACA certification prep course and certificate of attendance.

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

# Cyber Security Risk Assessment & Management

Course ID

A3085

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 4

## Purpose of Course

Protect your organization from unacceptable losses by employing a standards-based risk management processes. In this risk assessment training course, you will learn about the laws and regulations that impose strict cyber security requirements on all organizations, and gain the skills to develop a compliance assessment plan while maintaining a satisfactory security posture. This course will be delivered by a commercial provider selected by the NCI Agency (GCHQ Certified Training).

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Learning Objectives

- Implement standards-based, proven methodologies for assessing and managing the risks to your organisation's information infrastructure
- Select and implement security controls that ensure compliance with applicable laws, regulations, policies, and directives
- Extend security protection to Industrial Control Systems (ICS) and the cloud

## Qualification

APMG-International GCT certification award and certificate of attendance.

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

N/A

## Prerequisite Course



# Certified Asset Management Professional (CAMP)

Course ID

A3086

Remote Participation available: yes

On Demand onsite delivery available: no

Location: DBL

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 2

## Purpose of Course

The ITAM Foundations Course with optional Certified Asset Management Professional (CAMP) Certification is designed to impart an extensive overview of IT Asset Management (ITAM) best practices and processes as well as ways to embrace multiple organizational frameworks such as ITAM & IT Service Management (ITSM). This course will be delivered by a commercial provider selected by the NCI Agency.

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Learning Objectives

This course was built to provide information on each of the IAITAM Best Practice Librarys 12 Key Process Areas (KPAs), the roles and responsibilities that affect an ITAM program, core functional areas, KPA indicators, strategic positioning, and how ITAM can be brought into other frameworks such as ITSM so that they work together in the most efficient way for an organization thus producing a greater ROI for its IT portfolio.

## Qualification

The CAMP Certification and Certificate of Attendance

## Student Criteria

This is an entry level course, with the anticipation that all who attend have some basic knowledge of the IT Asset Management industry.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

N/A

## Prerequisite Course

# McAfee Data Loss Prevention Endpoint Administration (11.0)

Course ID

A3088

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 4

## Purpose of Course

The McAfee Data Loss Prevention Endpoint Administration course from McAfee Education Services provides in-depth training on the tools you need to design, implement, configure, and use McAfee Data Loss Prevention Endpoint to safeguard intellectual property and ensure compliance.

## Learning Objectives

The course details how this solution uses McAfee ePolicy Orchestrator (McAfee ePO) software for centralized management. It also explains how to monitor and address risky, day-to-day end-user actions such as emailing, web posting, printing, clipboards, screen captures, device control, uploading to the cloud, and more. This course will be delivered by a commercial provider selected by the NCI Agency.

## Qualification

Certificate of Attendance

## Student Criteria

This course is intended for system and network administrators, security personnel, auditors, and/or consultants concerned with system endpoint security.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

Solid knowledge of Windows and system administration and network technologies. Solid knowledge of computer security, command line syntax, malware/anti-malware, virus/antivirus, and web technologies. Prior

experience using McAfee, ePO software.

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

# Certified Cloud Security Professional Training and Certification Exam Preparation

Course ID

**A3089**

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

Gain a thorough understanding of the information security risks and mitigation strategies critical to data security in the cloud with this (ISC)2 Certified Cloud Security Professional (CCSP) training. This course covers the six domains of the Official (ISC)2 CCSP Common Body of Knowledge (CBK), and prepares you to pass the CCSP exam and become a Certified Cloud Security Professional. This course prepares you for the ISC2 CCSP exam. This course will be delivered by a commercial provider selected by the NCI Agency.

## Learning Objectives

- Identify and explain the five characteristics required to satisfy the NIST definition of cloud computing
- Differentiate between various as-a-service delivery models and frameworks that are incorporated into the cloud computing reference architecture
- Explain strategies for protecting data at rest and data in motion
- Discuss strategies for safeguarding data, classifying data, ensuring privacy, assuring compliance with regulatory agencies, and working with authorities during legal investigations
- Contrast between forensic analysis in corporate data center and cloud computing environments

## Qualification

Certificate of Attendance

## Student Criteria

Five years of cumulative, full-time working experience in IT (three of which must be in information security, and one of which must be in one of the six CCSP CBK domains). Those without the required experience can take the exam to become an Associate of (ISC)2 while working toward the experience needed for full certification.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

Five years of cumulative, full-time working experience in IT (three of which must be in information security, and one of which must be in one of the six CCSP CBK domains). Those without the required experience can take the exam to become an Associate of (ISC)2 while working toward the experience needed for full certification.

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

# Lean Six Sigma: Yellow Belt

Course ID

A3090

Remote Participation available: no

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 2

## Purpose of Course

This practical and hands-on Lean Six Sigma Yellow Belt course trains you to know the origin and aims of Lean, Six Sigma, and Lean Six Sigma, as well as understand the roles and responsibilities within a Lean Six Sigma Team. You learn the terms, tools, and DMAIC (Define, Measure, Analyze, Improve, Control) methods and definitions, how to apply the basics of Six Sigma, and lean to a process. Use Lean Six Sigma tools to apply important measures and recover when a problem occurs. A toolbox and the after-training quiz are included. This course will be delivered by a commercial provider selected by the NCI Agency.

## Learning Objectives

- Practice developing a SIPOC with Input, Process, and Output measures
- Learn how to develop current state Quality, Speed, and Financial Metrics
- Practice building a Measure Phase Data Collection Plan
- Design Cause and Effect Diagram linking root causes to the process issue
- Practice creating a Pareto Chart that quantifies the significant root causes
- Learn how to identify and write up a Solutions (Implementation) Plan
- Practice writing a process Control/Response/ Escalation Plan
- Learn how to create a Charters Problem Statement that is measurable and linked to the Voice of the Customer (VOC)
- Problem solve using the Define, Measure, Analyze, Improve, Control (DMAIC) model

## Qualification

Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

N/A

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

# International Requirements Engineering Board Foundation Level (IREB)

Course ID

**A3091**

Remote Participation available: no

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 3

## Purpose of Course

The International Requirements Engineering Board (IREB) is an international non-profit organization. The goal of IREB is to improve requirements Engineering and business analysis in practice by means of providing a certification model with syllabi and exams, thus fostering further education in the field of requirements. IREB has developed a program for certification on three levels; Foundation, Advanced and Expert. During the SYSQA course IREB Foundation the participants are being prepared for the official exam IREB Certified Professional for Requirements Engineering (CPRE) Foundation Level. SYSQA is an IREB recognized training provider, therefore the SYSQA course is according to the demands set by IREB. This course will be delivered by a commercial provider selected by the NCI Agency.

N/A

## Background

N/A

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Learning Objectives

Participants of this training are taught how to cope with different levels of ever-changing requirements. A structured approach to requirements management offers many advantages: Creating a solid base for estimation and planning of projects; Increase interaction between business and IT; Advance in lead time of projects; Limit development cost by lowering necessary bug fixes; Create a reference for reviews, inspections and tests; Lower implementation effort at release; Reach mutual understanding for business and IT about functionality built into the system.

## Qualification

Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

# Management of Risk: Foundation & Practitioner

Course ID

A3092

Remote Participation available: no

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

Management of Risk (M\_o\_R) is a guidance of risk which can be used across an organisation. Within project and programme environments there will always be risk which needs to be identified, analysed and managed. Other areas of an organisation will also be exposed to risks as operational functions are carried out. M\_o\_R provides guidance on how best to deal with this. This course will be delivered by a commercial provider selected by the NCI Agency.

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Learning Objectives

The 5 day course will be a mixture of input and practical sessions, delivered by an APM Group approved trainer with practical experience of managing risk and projects. The Foundation exam is taken on the afternoon of the third day and results will be available on the same day. Practical sessions will be on an individual and group basis focusing on the examination on the final day. An exam preparation workshop is held on the fourth day. The Practitioner exam is taken on the morning of day 5 and the exam papers are then sent to APM Group for marking.

## Qualification

Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

N/A

## Prerequisite Course

# Certified Hardware Asset Management Professional (CHAMP)

Course ID

A3093

Remote Participation available: no

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 2

## Purpose of Course

Designed to address the numerous issues plaguing professionals in managing hardware assets, the IAITAM Certified Hardware Asset Management Professional (CHAMP) Course follows the lifecycle of IT hardware assets beyond the scope of the cradle to grave analogy and discusses the business practices that can best be used to manage those assets efficiently and cost-effectively. Emphasis is placed on identifying the Policies that enhance lifecycle management. In general, Policies are only effective if developed by a cross-section of the impacted departments, are reviewed frequently to remain current and are consistently communicated and enforced. This course will be delivered by a commercial provider selected by the NCI Agency.

N/A

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Learning Objectives

This course exposes the attendee to numerous concepts for ITAM that are relevant for both direct application and as a means of discussion for those persons who will implement, manage and direct ITAM initiatives for their organizations.

## Qualification

Certificate of attendance

## Student Criteria

The two-day CHAMP Course is designed for those individuals with minimal to no experience in the field of Hardware Asset Management.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

# ISTQB Advanced Test Manager Certificate

Course ID

A3094

Remote Participation available: no

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

ISTQB (International Software Testing Qualifications Board) is the standard for international qualifications in software testing at an advanced level. This course, with its large number of practical exercises and practice examination questions, fully prepares delegates for the ISTQB Certified Tester Advanced Level Test Manager examination. Whilst this course is focused on the syllabus, giving delegates the maximum chance of passing the examination, it also contains many real world practical examples. This course will be delivered by a commercial provider selected by the NCI Agency.

## Learning Objectives

After successfully completing the course and passing the exam, staff should be able to:

- Manage a testing project by implementing the mission, goals and testing processes established for the testing organization
- Organize and lead risk identification and risk analysis sessions and use the results of such sessions for test estimation, planning, monitoring and control
- Create and implement test plans consistent with organizational Policies and test strategies
- Continuously monitor and control the test activities to achieve project objectives
- Assess and report relevant and timely test status to project stakeholders
- Identify skills and resource gaps in their test team and participate in sourcing adequate resources
- Identify and plan necessary skills development within their test team
- Propose a business case for test activities which outlines the costs and benefits expected
- Ensure proper communication within the test team and with other project stakeholders
- Participate in and lead test process improvement initiatives

## Qualification

Preparation for ISTQB Advanced Test Manager Certificate Examination

## Student Criteria

To take the ISTQB Certified Tester Advanced Level qualifications, staff must hold the ISTQB Foundation certificate and it is also recommended that candidates holding a baccalaureate or equivalent degree in software Engineering have a minimum of 3 years testing experience, or 5 years otherwise.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

Staff are also encouraged to spend more time than during the course to further their knowledge of software testing including reading the ISTQB Advanced Level syllabus prior to attending the course and considering some of the additional reading references listed in the syllabus. The syllabus is available online at <http://www.istqb.org/downloads.html>. Many delegates have also taken additional hands-on training courses to prepare themselves to get the most benefit from this challenging course and examination.

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

<http://www.istqb.org/downloads.html>

## Background

To take the ISTQB Certified Tester Advanced Level qualifications, delegates must hold the ISTQB Foundation certificate and it is also recommended that candidates holding a baccalaureate or equivalent degree in software Engineering have a minimum of 3 years testing experience, or 5 years otherwise.

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)



# Lean Six Sigma: Green Belt

Course ID

A3096

Remote Participation available: no

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 2

## Purpose of Course

The business world is highly focused on process improvement through reducing costs, increasing speed, and improving quality or customer satisfaction. This is true for virtually all business practices, including contract negotiation, purchasing, selling, marketing, and production. Launch yourself into this corporate world with a Lean Six Sigma Green Belt certification from Thayer School of Engineering at Dartmouth. Your Lean Six Sigma skill set will include root cause analysis, process mapping, statistical process control, design of experiments, and a variety of other useful process calculations, allowing you to bring expertise to any field or discipline. The PhD professors offer practical experience in guiding students through this workshop, assisting with the attendee case-study assignment. This course will be delivered by a commercial provider selected by the NCI Agency.

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Learning Objectives

- Apply lean and six sigma tools within the context of DMAIC
- Manage root cause analysis Identify and eliminate waste through process mapping
- Apply statistical analysis techniques Improve team dynamics

## Qualification

Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

N/A

## Prerequisite Course

# Virtualization Technologies Introduction

Course ID

A3097

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 4

## Purpose of Course

Gain the knowledge and skills to successfully install, configure, manage, and deploy virtual servers and workstations in your organization. In this training course, students learn how to choose the proper virtual machine product for your environment, partition servers to isolate applications, improve portability and migration, and create entire testing labs within a single PC.

available)

## Learning Objectives

- Manage VMware and Microsoft Virtual Machine (VM) technologies
- Leverage VMs to build testing, support, and training environments
- Partition physical servers to decrease operating costs
- Migrate from physical to virtual machines

## Qualification

This course qualifies for 23 CPE credits from This course is approved by CompTIA for continuing education units (CEUs).

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

N/A

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if

## Security Essentials Bootcamp Style Self Study Online

Course ID

A3098

Remote Participation available: yes

On Demand onsite delivery available: no

Location: ADL

Minimum Class Size: 8

Maximum Class Size: 15

Course Length (working days): 1

## Purpose of Course

A key way that attackers gain access to an organization's resources is through a network connected to the Internet. This is why it is important not only to prevent as many attacks as possible, but in cases where it cannot prevent an attack, to detect it in a timely manner. Therefore, an understanding and ability to create and identify the goals of building a defensible network architecture are critical. It is just as important to know and understand the architecture of the system, types of designs, communication flow and how to protect against attacks using devices such as routers and firewalls. These essentials, and more, are covered in this course in order to provide a firm foundation for the consecutive days of the on-line training.

## Module Outline :

Defensible Network Architecture  
Virtualization and Cloud Security  
uLab Virtual Machine Setup  
Network Device Security  
Networking and Protocols  
uLab - tcpdump  
Securing Wireless Networks  
uLab - Aircrack-ng  
Securing Web Communications  
uLab -Wireshark

N/A

## Background

N/A

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Learning Objectives

This on-line self study course prepares you for the GSEC certification that meets the requirement of the DoD 8570 IAT Level 2.

## Qualification

Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

# Leading and Managing Virtual Teams

Course ID

A3100

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 2

## Purpose of Course

Gain a deep understanding of the communication and collaboration tools that allow virtual working to be the normal mode of working today. In this training course, you learn to effectively lead across distances, time zones, organisational separation, and cultural differences, while continuously delivering results across multi-site and international environments.

CAT D: Pricing applied to seats and MTTs (if available)

## Learning Objectives

- Build and maintain virtual teams to create success
- Design an action plan to optimise team effectiveness
- Maintain team performance through key collaborative relationships
- Facilitate teams using effective communication technologies
- Manage the risks and benefits of distance and cultural diversity

## Qualification

Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

N/A

## Prerequisite Course

N/A

## Value Notes

# Introduction to IDEA Data Analysis

Course ID

A3101

Remote Participation available: no

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 2

## Purpose of Course

Designed to offer delegates a comprehensive introduction to IDEA. Delegates gain experience using CaseWare IDEA 10 to perform comprehensive tests related to operational procedures and controls, such as: Investigating duplicate invoicing and purchasing, Investigating occurrence sales, Investigating authorisations and potential phantom suppliers, Cross-checking calculations, Investigating potential conflicts of interest when payments are made. The course comprises of four mini sessions. Each session involves at least one auditing / testing objective and a set of IDEA learning objectives.

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Learning Objectives

The course will involve a mixture of tutor-led theory, individual and group exercises. Our aim is to guide delegates through the scenarios, whilst equipping them with the knowledge to apply the powerful features, to differing projects.

## Qualification

Certificate of Attendance

## Student Criteria

No prior knowledge of IDEA is required, but it is preferable for delegates to be familiar with the concept of data analytics. Competency in basic use of Windows Office applications is desirable.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

No prior knowledge of IDEA is required. Competency in basic use of Windows Office.

## Prerequisite Course

# Intermediate Use of IDEA Data Analysis

Course ID

A3102

Remote Participation available: no

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 2

## Purpose of Course

The intermediate Use of Data Analysis course is designed to incorporate all IDEA functionality needed to reach Certified IDEA Data Analyst (CIDA) status. Delegates gain experience using CaseWare IDEA 10 to solve problems beyond the basics of who spent what and calculation cross-checks, to offer value added audits. The course comprises of 3 comprehensive audit / testing scenarios of increasing complexity, to cover some of the more challenging real life data issues. We have carefully selected multiple datasets to high-light risk prone data. This course allows delegates to self-explore data complexity and relationships and includes industry standard tests, such as those outlined by David Coderre, author of Internal Audit and Computer Aided Fraud Prevention and Detection. This course will be delivered by a commercial provider selected by the NCI Agency.

## Learning Objectives

The purpose of this course is to introduce advanced analytical techniques, to enable delegates to utilise IDEA 10 to solve their own complex problems. Our aim is to guide delegates through the scenario solutions whilst equipping them with the sophisticated knowledge to create their own value added testing scenarios. Delegate Requirements No prior knowledge of IDEA is required, but it is preferable for delegates to be familiar with the concept of data analytics.

## Qualification

Certificate of Attendance

## Student Criteria

Delegates are expected to have attended the 3101 Introduction to IDEA Data Analysis course or be fully conversant with the following IDEA functionality - Summarisation, Stratification, basic Database Connectivity (Joins) and basic Data Manipulation.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

N/A

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

# Certified Information Security Manager (CISM) Exam Preparation

Course ID

A3104

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 4

## Purpose of Course

The challenge of protecting enterprise data is more difficult than ever. This official ISACA CISM training course provides you with in-depth coverage on the four CISM domains: security governance; risk management and compliance; security program development and management; and security incident management. This course is designed specifically for information security professionals who are preparing to take the CISM certification exam and will be delivered by a commercial provider selected by the NCI Agency.

## Learning Objectives

- Prepare for and pass the Certified Information Security Manager (CISM) exam
- Develop an information security strategy and plan of action to implement the strategy
- Manage and monitor information security risks
- Build and maintain an information security plan both internally and externally
- Implement policies and procedures to respond to and recover from disruptive and destructive information security events

## Qualification

This is an ISACA certification prep course only and does not include the exam.

## Student Criteria

IT professionals must have at least 5 years of information security experience, including IT consultants, auditors, managers, security policy writers, privacy officers, information security officers, network administrators, security device administrators, and security engineers.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

IT professionals should have at least 5 years of information security experience, including IT consultants, auditors, managers, security policy writers, privacy officers, information security officers, network administrators, security device administrators, and security engineers.

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

# Advanced meeting techniques & negotiation skills

Course ID

A3105

Remote Participation available: yes

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 4

## Purpose of Course

The purpose of this course is to provide attendees with the knowledge, skill and attitude to produce memorable facilitative events that reflect the ethos of the International Association of Facilitators. We will do this by bringing compassion, knowledge and authority by using verbal and non-verbal interventions, whilst maintaining a productive and safe meeting environment, controlling the process to achieve the course objectives. This course is wholly interactive. It will be informative, revealing and experiential.

## Learning Objectives

The objectives will ultimately be shown in chapter format.

At the end of this course, attendees will be able to:

1. Describe effective facilitator characteristics
2. Demonstrate basic facilitation tools
3. Identify the facilitative golden ratio segments
4. Reduce personal stress in a facilitative environment
5. Maintain a positive mindset
6. Plan and prepare for a facilitative event
7. Identify and attribute meeting roles and responsibilities
8. Perform collaborative stakeholder interviews
9. Analyse interview results
10. Establish meeting objectives
11. Create a meeting agenda
12. Run each of the three meeting phases
13. Create ground rules
14. Use listening and questioning techniques
15. Provide opportunities for consensus
16. Resolve levels of disagreement
17. Create an assertive climate
18. Demonstrate the 8 constituents of effective communication
19. Practise articulation, vocal variety and modulation when presenting
20. Become aware of what people are thinking but not saying by using advanced NVC techniques
21. Identify their preferred style of communication
22. Become comfortable with different perceptions
23. Surface assumptions - theirs and others

## Qualification

Certificate of Attendance

## Student Criteria

Managers, supervisors, project managers,

business analysts and others who want to improve team performance and solve business problems as well as anyone who has to run meetings.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

N/A

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)



# Windows 10 Client: Installation & Configuration

Course ID

A3106

Remote Participation available: yes

On Demand onsite delivery available: yes

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

In this official Microsoft four-part MD-100 Windows 10 course, students will learn how to support the installation tasks associated with Windows 10, learn how to install and customise Windows 10 operating systems. You will learn how to secure the Windows 10 OS and protect the data on the device. You will be introduced to common methods used for authentication and access control. You will learn how to leverage features like encryption and firewalls, as well as tools like Windows Defender. This course will deep-dive into the architecture and tools used for managing, monitoring, and troubleshooting the OS, Apps, and hardware. Finally, this MD-100 Windows 10 course will also examine proactive and troubleshooting methodology, and how to identify and mitigate common issues. Plus, this course also prepares you for Microsoft exam MD-100, one of two exam requirements for Microsoft 365 Certified: Modern Desktop Administrator Associate certification

general local management and maintenance of Windows 10 core services. Candidates may also be familiar with enterprise scenarios and cloud-integrated services.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Learning Objectives

- Prepare to install Windows 10. Install Windows 10.
- Configure Updates for Windows. Perform post-installation configuration tasks.
- Configure devices and drivers for Windows. Configure storage for Windows.
- Configure network settings in Windows.
- Configure remote management of Windows.
- Configure and manage applications in Windows.
- Configure Internet Explorer. Describe the methods for securing Windows 10.
- Configure account access and authentication.
- Configure file and folder permissions.
- Create security policies.
- Describe common threats and methods for mitigating against them.
- Use Windows troubleshooting and monitoring tools.
- Troubleshoot Windows installations.
- Troubleshoot application installation issues.
- Troubleshoot web browser settings.
- Troubleshoot Windows authentication.
- Troubleshoot hardware issues related to Windows machines.

## Pre-Course Study Material

N/A

## Background

Preferably 3106 Microsoft Networking and Security Fundamentals

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Qualification

Certificate of Attendance

## Student Criteria

Candidates for this exam are IT professionals who perform installation, configuration,

# Microsoft Networking and Security Fundamentals

Course ID

A3107

Remote Participation available: yes

On Demand onsite delivery available: yes

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

This five-day Training 2-Pack helps you prepare for Microsoft Technology Associate Exams 98-366 and 98-367, and build an understanding of these topics: Network Infrastructures, Network Hardware, Protocols and Services, Security Layers, Operating System Security, Network Security, Security Software.

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Learning Objectives

Understand Network Infrastructures; Network Hardware; Protocols and Services; Understand Security Layers; Operating System Security; Network Security and Security Software

## Background

N/A

## Prerequisite Course

N/A

## Course Outline

Module 1: Understanding Local Area Networking  
Module 2: Defining Networks with the OSI Model  
Module 3: Understanding Wired and Wireless Networks  
Module 4: Understanding Internet Protocol  
Module 5: Implementing TCP/IP in the Command Line  
Module 6: Working with Networking Services  
Module 7: Understanding Wide Area Networks  
Module 8: Defining Network Infrastructures and Network Security  
Module 9: Understanding Security Layers  
Module 10: Authentication, Authorization, and Accounting  
Module 11: Understanding Security Policies  
Module 12: Understanding Network Security  
Module 13: Protecting the Server and Client"

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Qualification

Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

# Managing MDT client deployments in a Microsoft Windows Server Environment

Course ID

**A3108**

Remote Participation available: yes

On Demand onsite delivery available: yes

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 3

## Purpose of Course

Module 1: Implementing operating system deployment by using the MDT  
 Module 2: Installing and configuring domain controllers  
 Module 3: Managing objects in AD DS  
 Module 4: Implementing DHCP  
 Module 5: Implementing DNS  
 Module 6: Implementing File and Print Services

## Learning Objectives

- Implement Operating Systems using MDT
- Install & Configure Domain Controllers
- Manage Objects in AD DS Implement DHCP & DNS
- Implement File & Print Services

## Qualification

Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

N/A

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

# Implementing an Advanced Server Infrastructure

Course ID

A3109

Remote Participation available: no

On Demand onsite delivery available: yes

Location: TBC

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

This five-day official Microsoft Advanced Server Infrastructure (20414) course provides hands-on instruction and practise planning, designing and deploying a physical and logical Windows Server 2012 R2 enterprise infrastructure. This course is a follow on to our Designing and Implementing a Server Infrastructure course. The two courses collectively cover designing, planning, deploying, securing, monitoring, automating, and virtualising an enterprise server infrastructure. This course covers the knowledge and skills to plan and implement a highly available, secure infrastructure with focus on Active Directory Federation Service (AD FS), public key infrastructure (PKI), and Active Directory Rights Management Services (AD RMS). You will also learn the skills needed to plan and deploy virtual machines including self-service and automation of virtual machine deployments as well as planning and implementing a monitoring strategy that includes Microsoft System Centre 2012 R2-Operations Manager. This course will be delivered by commercial provider selected by Agency.

## Learning Objectives

- Describe an enterprise data centre.
- Plan and implement a server virtualisation strategy using System Centre 2012
- Plan and implement the network and storage infrastructure required to deploy a virtualised server infrastructure
- Plan and deploy virtual machines on Windows Hyper-V
- Plan and implement a virtualisation administration solution by using System Centre 2012
- Plan and implement a server monitoring strategy using the Windows Server 2012 tools and using Microsoft System Centre 2012 - Operations Manager
- Plan and implement an application and a file services infrastructure that is highly available
- Plan and implement a highly available server infrastructure by using the failover clustering features in Windows Server 2012
- Plan and implement a business continuity strategy in a Windows Server 2012 environment
- Plan and implement a PKI deployment, and plan and implement a certificate management solution
- Plan and implement an AD FS server deployment and claims aware application access
- Plan and implement Dynamic Access Control, Workplace Join and Work Folders
- Plan and implement an AD RMS deployment, plan and manage AD RMS templates and

access, and plan and implement external access to AD RMS services

## Qualification

Prepare for Microsoft 70-414 certification exam, Implementing an Advanced Server Infrastructure

## Student Criteria

An understanding of TCP/IP and networking concepts. An understanding of Windows Server 2012 and AD DS, including planning, designing and deploying. An understanding of scripts and batch files. An understanding of security concepts such as authentication and authorisation. An understanding of deployment, packaging, and imaging tools. Experience working in a team or a virtual team. Completion of or knowledge equivalent to the Windows Server 2012 MCSA certification as well as knowledge on Server Infrastructure.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

N/A

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

# Firewall Essentials: Configuration and Management

Course ID

A3110

Remote Participation available: yes

On Demand onsite delivery available: yes

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

The Palo Alto Networks Firewall 9.0 Essentials: Configuration and Management course is five days of instructor-led training that will help you to configure and manage the essential features of Palo Alto Networks next-generation firewalls. Configure and manage GlobalProtect to protect systems that are located outside of the data-center perimeter. Configure and manage firewall high availability. Monitor network traffic using the interactive web interface and firewall reports. This course will be delivered by a commercial provider selected by the NCI Agency.

(IPS, proxy, and content filtering) is a plus.

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Learning Objectives

Successful completion of this five-day, instructor-led course should enhance the students understanding of how to configure and manage Palo Alto Networks next-generation firewalls. The student should learn and get hands-on experience configuring, managing, and monitoring a firewall in a lab environment.

## Qualification

PCNSA certification

## Student Criteria

Security Engineers, Security Administrators, Security Operations Specialists, Security Analysts, Network Engineers, and Support Staff

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

Students must have a basic familiarity with networking concepts including routing, switching, and IP addressing. Students also should be familiar with basic security concepts. Experience with other security technologies

# Firewall: Optimizing Firewall Threat Prevention

Course ID

A3111

Remote Participation available: no

On Demand onsite delivery available: no

Location: TBC

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 4

## Purpose of Course

The Palo Alto Networks Firewall 9.0: Optimizing Firewall Threat Prevention course is four days of instructor-led training that emphasizes the PAN-OS threat prevention capabilities. After completing this course, you should be able to:

- Describe the cyber-attack lifecycle and recognize common forms of attack
- Describe PAN-OS threat prevention capabilities
- Use firewall logs and reports to make better configuration decisions
- Configure the firewall to detect, block, and record threats.

This course will be delivered by commercial provider selected by the NCI Agency.

Essentials: Configuration and Management course, or have equivalent experience.

Students must have a basic familiarity with networking concepts including routing, switching, and IP addressing

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Learning Objectives

Successful completion of this four-day, instructor-led course should enhance the students understanding of how to better configure, manage, and monitor PAN-OS threat prevention features. The student will get hands-on experience configuring, managing, and monitoring threat prevention features in a lab environment.

## Qualification

PCNSA certification

## Student Criteria

Security Engineers, Security Administrators, Security Operations Specialists, Security Analysts, Network Engineers, and Support Staff

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

Participants must complete the Firewall 8.1

# CompTIA Network+

Course ID

A3113

Remote Participation available: yes

On Demand onsite delivery available: yes

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

This training course prepares you for the CompTIA Network+ Certification Exam (N10-006), covering wireless and wired network management, mobility, virtualization, security, protocols, standards, and troubleshooting procedures. This training is delivered by commercial provider selected by the Agency.

## Prerequisite Course

N/A

## Value Notes

CAT E: Prepaid for specific audiences through other contracts

## Learning Objectives

In this training you will learn how to :

- Prepare to pass the CompTIA Network+ (N10-007) Certification Exam
- Implement a troubleshooting methodology
- Integrate appropriate security elements to ensure network availability and optimum performance
- Deploy, monitor, and maintain wired/wireless networking environments

## Qualification

1 accredited Network+ practice exams is included.

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

Working knowledge of networking to the level of:

- Introduction to Networking Training
- 9 to 12 months of experience in IT networking
- CompTIA Network+ or equivalent certification

# Firewall Essentials: Configuration and Management

Course ID

A3114

Remote Participation available: yes

On Demand onsite delivery available: yes

Location: TBC

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

The Palo Alto Networks Firewall 8.1 Essentials Configuration and Management (EDU-210) course is five days of instructor-led training that should enable you to:

- Configure and manage the essential features of Palo Alto Networks next generation firewalls
- Configure and manage GlobalProtect to protect systems that are located outside of the data center perimeter
- Configure and manage firewall high availability
- Monitor network traffic using the interactive web interface and firewall reports

## Learning Objectives

Successful completion of this five-day, instructor-led course should enhance the students understanding of how to configure and manage Palo Alto Networks next-generation firewalls. The student will get hands-on experience configuring, managing, and monitoring a firewall in a lab environment.

## Qualification

Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

Students must have a basic familiarity with networking concepts including routing, switching, and IP addressing. Students also should be familiar with basic security concepts. Experience with other security technologies (IPS, proxy, and content filtering)

is a plus.

## Prerequisite Course

N/A

## Value Notes

CAT E: Prepaid for specific audiences through other contracts



# Panorama 8.1: Manage Firewalls At Scale

Course ID

A3115

Remote Participation available: yes

On Demand onsite delivery available: yes

Location: TBC

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 1

## Purpose of Course

The Palo Alto Networks Panorama 8.1 Managing Firewalls at Scale (EDU-120) e-Learning course will enable you to:

- Learn how to configure and manage the next-generation Panorama management server
- Gain knowledge by configuring templates (including template variables) and device groups
- Gain knowledge about administration, log collection, and logging and reporting
- Gain knowledge about Panorama High Availability and Panorama troubleshooting
- Become familiar with new Panorama features such as Panorama in the public cloud, the Logging Service, and GlobalProtect cloud service

## Learning Objectives

Successful completion of this e-Learning course will enable the student to gain in-depth knowledge about how to configure and manage their Palo Alto Networks Panorama management server. Upon completion of this course, administrators should be familiar with the Panorama management servers role in managing and securing their overall network. Network professionals will be shown how to use Panorama aggregated reporting to provide them with a holistic view of a network of Palo Alto Networks next-generation firewalls.

## Qualification

Certificate of Attendance

## Student Criteria

Students must complete either the e-Learning (EDU-110) or instructor-led training (EDU-210) version of the Firewall 8.1 Essentials: Configuration and Management course, understand Palo Alto next-generation firewall management, and understand basic networking concepts, including routing and IP addressing.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

N/A

## Prerequisite Course

N/A

## Value Notes

CAT E: Prepaid for specific audiences through other contracts

# Firewall 8.1. Essentials: Configuration and Management e-learning

Course ID

A3116

Remote Participation available: no

On Demand onsite delivery available: no

Location: ADL

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 1

## Purpose of Course

Firewall Essentials e-Learning combines PAN-OS 8.0 content from the Configuration and Management self-paced e-Learning (EDU-110) with three new modules that contain information about features and updates introduced in PAN-OS (8.1). The full e-Learning provides information about these tasks:

- Configure and manage the essential features of Palo Alto Networks next-generation firewalls;
- Configure and manage firewall high availability;
- Monitor network traffic using the interactive web interface and firewall reports;
- Deploy virtual and cloud firewalls
- Implement next-generation security practices
- Implement new features in PAN-OS software

## Learning Objectives

Successful completion of this e-Learning should enhance the students understanding of how to configure and manage Palo Alto Networks next-generation firewalls. Narrated lectures should help the student learn how to use the Palo Alto Networks web interface to configure, manage, and monitor a firewall.

Scope

E-Learning level: Introductory

E-Learning duration: About 13 hours

E-Learning format: Narrated content with knowledge check questions

Security Engineers, Security Administrators, Security Operations Specialists, Security Analysts, Network Engineers, and Support Staff  
New learners should complete all EDU-110 modules and the three new PAN-OS 8.1 modules. Learners who have completed EDU-110 should update their knowledge by viewing the three new 8.1 modules.

## Qualification

Certificate of Attendance

## Student Criteria

Students must have a basic familiarity with networking concepts including routing, switching, and IP addressing. Students also should be familiar with basic security concepts. Experience with other security technologies (IPS, proxy, and content filtering) is a plus.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

N/A

## Prerequisite Course

N/A

## Value Notes

CAT E: Prepaid for specific audiences through other contracts

# Windows Server 2012 Hyper-V Virtualisation

Course ID

A3117

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

## Learning Objectives

This five day course will provide you with the knowledge and skills required to design and implement Microsoft Server Virtualization solutions using Hyper-V and System Center.

## Qualification

Certificate of Attendance

## Student Criteria

N/A

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

Before attending this course, students must have:

- An understanding of TCP/IP and networking concepts.
- An understanding of different storage technologies and concepts .
- The ability to work in a team/virtual team.
- An understanding of Windows PowerShell.

## Prerequisite Course

N/A

## Value Notes

CAT E: Prepaid for specific audiences through other contracts

# Networks Panorama 8.1: Managing Firewalls at Scale

Course ID

A3118

Remote Participation available: yes

On Demand onsite delivery available: yes

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 2

## Purpose of Course

In this course you will learn how to configure and manage the next-generation Panorama management server :

- Gain experience configuring templates (including template variables) and device groups
- Gain experience with administration, log collection, and logging and reporting
- Gain experience with Panorama High Availability and Panorama troubleshooting
- Become familiar with new Panorama features such as Panorama in the public cloud, the Logging Service, and GlobalProtect cloud service

## Learning Objectives

This course will help students to gain in-depth knowledge about how to configure and manage their Palo Alto Networks Panorama management server. Upon completion of this course, administrators should be familiar with the Panorama management servers role in managing and securing their overall network. Network professionals will be shown how to use Panorama aggregated reporting to provide them with a holistic view of a network of Palo Alto Networks next-generation firewalls.

## Qualification

Certificate of Attendance

## Student Criteria

Security Administrators, Security Operations Specialists,  
Security Analysts, Security Engineers, and  
Security Architects

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

Students must complete the Firewall 8.1 Essentials: Configuration and Management (EDU-210) class, and be familiar with Palo Alto Networks next-generation firewall management and basic networking concepts, including routing and IP addressing.

## Prerequisite Course

N/A

## Value Notes

TBC

# Firewall 8.1: Troubleshooting

Course ID

A3119

Remote Participation available: yes

On Demand onsite delivery available: yes

Location: Mons (BEL)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 3

## Purpose of Course

Successful completion of this three-day, instructor-led course will enhance the participants understanding of how to troubleshoot the full line of Palo Alto Networks next-generation firewalls. Participants will have opportunities to perform hands-on troubleshooting of common problems related to the configuration and operation of the features of the Palo Alto Networks PAN-OS operating system. Completion of this class will help participants develop an in-depth knowledge of how to troubleshoot visibility and control over applications, users, and content.

strong practical knowledge of routing and switching, IP addressing, and network-security concepts, and at least six months of on-the-job experience with Palo Alto Networks firewalls.

## Prerequisite Course

N/A

## Value Notes

CAT E: Prepaid for specific audiences through other contracts

## Learning Objectives

After completing this course you should be able to:

- Investigate networking issues using firewall tools including the CLI
- Follow proven troubleshooting methodologies specific to individual features
- Analyze advanced logs to resolve various real-life scenarios
- Solve advanced, scenario-based challenges

## Qualification

Certificate of Attendance

## Student Criteria

Security Engineers, Security Administrators, Security Operations Specialists, Security Analysts, Network Engineers, and Support Staff

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

Participants must complete the Firewall 8.1 Essentials: Configuration and Management (EDU-210) course. Participants must have

# Firewall 7.1: Configure Extended Features

Course ID

A3120

Remote Participation available: no

On Demand onsite delivery available: no

Location: TBC

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 2

## Purpose of Course

Firewall 7.1: Configure Extended Features is the next-level, follow-on course to Firewall 7.1: Install, Configure, and Manage (EDU-201). The two-day, instructor-led Firewall 7.1: Configure Extended Features course expands on 201 course topics while introducing many new features and functions of Palo Alto Networks next-generation firewalls.

## Learning Objectives

Successful completion of this two-day, instructor-led course will enhance the students understanding of how to configure and manage the entire line of Palo Alto Networks next-generation firewalls. Students also will be instructed on the basics of implementing and managing GlobalProtect and active/high availability. Students will gain an in-depth knowledge of how to optimize their visibility and control of applications, users, and content.

Course level: Introductory

Course format: Combines lecture and hands-on labs

Platforms supported: All Palo Alto Networks next-generation firewall models running the PAN-OS operating system

Target Audience: Security Engineers, Network Engineers, and Support Staff

## Qualification

Certificate of Attendance

## Student Criteria

Students must have a basic familiarity with networking concepts, including routing, switching, IP addressing, and basic port-based security concepts. Training from a Palo Alto Networks Authorized Training Center delivers the knowledge and expertise to prepare you to protect our way of life in the digital age. Our trusted security certifications give you the next-generation security platform knowledge necessary to prevent successful cyberattacks and safely enable applications.

## Language Proficiency

In accordance with STANAG 6001: English SLP

3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

Completion of Firewall 7.1: Install, Configure, and Manage (EDU-201) or equivalent experience is highly recommended.

## Background

N/A

## Prerequisite Course

N/A

## Value Notes

CAT E: Prepaid for specific audiences through other contracts

## CCT200 SATCOM Terminal NATO Mission Iraq (NMI) Operator

Course ID

A4000

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Mobile Training Team

Minimum Class Size: 6

Maximum Class Size: 8

Course Length (working days): 5

## Purpose of Course

To provide military and civilian personnel with knowledge and skills to operate and perform limited preventive maintenance on the Luxembourg DATAPATH CCT200 terminal. Repair actions are limited to the replacement of the Lowest Replaceable Unit (LRU) sub-assembly identified in the training.

## Learning Objectives

On completion of the course, the qualified student will be able to:

- Assemble and Set-up the CCT200 Terminal
- Acquire satellite (GOVSAT-1 or any other satellite)
- Configure and operate the CCT200 equipment to establish a stable and reliable SATCOM link
- Perform basic maintenance on the CCT200 Terminal

## I. BASIC MATHEMATICS

1. Simple algebraic equations, functions exponential & logarithms.
2. Decibel Notation (dB, dBW & dBm).

## II. THEORETICAL KNOWLEDGE BY TECHNICAL SUBJECT

## A. ELECTRICITY

1. Direct Current (DC) - Ohm's law.
2. Alternate Current (AC) - Wave shapes, Peak Values, rms Values.
3. DC/AC power Impedance.
4. Components (switches, actuators, contactors & breakers).

## B. ELECTRONICS

1. Passive components (resistors, capacitors, inductors) fixed and variable.
2. Operational and Solid State Power Amplifiers (SSPA).
3. UPS.

## C. TELECOMMUNICATIONS - PRINCIPLES AND TECHNIQUES.

1. RF basics.
2. Multiplexing basics (TDM, FDM).
3. Modulation BPSK, QPSK and 8PSK.
4. Error detection / correction techniques

## D. READING AND INTERPRETING ELECTRONIC / ELECTRICAL CIRCUITS AND INTERCONNECTION DIAGRAMS.

## E. USE OF TEST EQUIPMENT.

1. Digital Multi-meter.
2. Oscilloscope.
3. Digital Data Tester & Data generator -

Analyser.

5. Spectrum Analyser.

6. Earth resistance measurements.

F. PRACTICAL EXPERIENCE BY FIELD OF ACTIVITIES.

Minimum 3 months basic experience on communication systems (e.g. SATCOM, VHF-UHF, HF, LOS).

## Qualification

NATO CCT200 Operator

## Student Criteria

1. Been assigned to a NATO or National Signal Establishment with the role of technician or operator,
2. Have met the Background Knowledge Prerequisites (see paragraph 19 and 20),
3. Have successfully completed a national military or civilian course on basic electronics.
4. Have knowledge of the general safety procedures for working with hazardous voltages.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

All Ranks and Grades

## Special Instructions

This course will be delivered in Diekirch, Luxembourg.

## Security Clearance

NATO CONFIDENTIAL (NC)

## Pre-Course Study Material

N/A

## Background

NCISS DSGT 040 (NATO Deployable Satellite Ground Terminal (DSGT) Operator) or equivalent or higher level (e.g. NCISS TSGT 043 or NCISS UTSGT 047) training and six months SATCOM experience.

The student shall have SATCOM background, qualified at least on DSGT or equivalent systems or higher level (TSGT or UTSGT) and

he shall have six months SATCOM experience.

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## MEL/MIL

Course ID

A5002

Remote Participation available: no

On Demand onsite delivery available: yes

Location: The Hague (NLD)

Minimum Class Size: 6

Maximum Class Size: 9

Course Length (working days): 2.8

## Purpose of Course

This course provides military and civilian personnel with training in a proven methodology for the development and the execution of an effective Master Event List/Master Incident List (MEL/MIL) in accordance with the Bi SC 75-3 directive. The commonly used tools in the NATO Command Structure to support this methodology are also taught.

Through presentation, demonstration and practical exercises, students will acquire knowledge of the methodology and of the supporting tools and will be able to apply them for their own exercises.

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

- Describe the key characteristics of effective exercise objectives and of training objectives
- Explain the key characteristics of effective exercise objectives.
- Explain how to formulate actionable training objectives.
- Describe and apply the four step development process of an effective MEL/MIL
- Describe and apply the planning of a MEL/MIL process
- Describe and apply the development of an exercise flow
- Describe and apply the process of relating training objectives to main events
- Describe and apply the process of developing complete story lines
- Employ the Joint Exercise Management Module (JEMM) to support MEL/MIL development and execution.
- Initialise a JEMM database with relevant exercise information.
- Maintain the JEMM database users and their associated roles.
- Maintain the MEL/MIL workflow.
- Use the functionality available for creating, updating and deleting events, story lines.
- Have an understanding of the use of the Training Objective Management Module (TOMM)
- Describe and apply the creation of a training objective
- Describe and apply the creation of conditions and standards
- Describe and apply the training objective workflow
- Have an understanding of the use of simulation in support of MEL/MIL
- Describe the use of simulation in support of MEL/MIL
- Develop story lines that are mainly executed through simulations

- Maintain actions in story lines in JEMM
- Describe and apply the MEL/MIL execution process
- Describe the various roles in the MEL/MIL execution process
- Employ JEMM during the MEL/MIL execution process
- Describe and apply the MEL/MIL observation process
- Describe the various roles in the MEL/MIL observation process
- Employ JEMM to maintain observation tasking, observations and analysis.

## Qualification

MEL/MIL Designer and Manager

## Student Criteria

The course is designed for military and civilian staff who are required to design and manage MEL/MIL.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

N/A

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)



# Training Objective Management Module (TOMM)

Course ID

A5003

Remote Participation available: no

On Demand onsite delivery available: yes

Location: The Hague (NLD)

Minimum Class Size: 8

Maximum Class Size: 10

Course Length (working days): 1

## Purpose of Course

This course provides military and civilian personnel with training on the Training Objective Management Module (TOMM) which supports the training objective development methodology described in annex V of the Bi SC 75-3 directive. Through presentation demonstration and practical exercises students will acquire knowledge of the tool and the workflow described in the methodology.

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

N/A

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

1. Describe the key characteristics of effective training objectives
  - a. Explain how to formulate effective training objectives.
  - b. Explain how to refine and prioritise training objectives.
2. Describe the process for developing training objectives with TOMM
  - a. Describe the 4 stages of the training objective development process
  - b. Describe and explain the different roles in the training objective development process
3. Describe and apply TOMM to execute the 4 stage process in the various role
  - a. Initialise a TOMM database with relevant exercise information.
  - b. Maintain the TOMM database users and their associated roles.
  - c. Describe and apply the training objective development workflow.
  - d. Use the functionality available for creating, updating and deleting training objectives, conditions, standards and setting priorities.

## Qualification

Training Objective Manager with TOMM

## Student Criteria

The course is designed for military and civilian staff who are required to manage the development of training objectives using TOMM.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

## Special Instructions

## JEMM Data Administrator

Course ID

A5004

Remote Participation available: no

On Demand onsite delivery available: no

Location: The Hague (NLD)

Minimum Class Size: 4

Maximum Class Size: 8

Course Length (working days): 2

## Purpose of Course

This course provides military and civilian personnel with training on the scenario data administration features of the Joint Exercise Management Module (JEMM). JEMM is a NATO Off-The-Shelf product that is approved for fielding and is used by all NCS trainers and by a large community of trainers in NATO and partner nations. Through presentation, demonstration and practical exercises, students will acquire knowledge of the scenario data features management of the application.

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

Administration of Microsoft Windows Server 2008 or above.

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

1. Apply JEMM features that support the Main Event List/Main Incident List (MEL/MIL) development and execution process
  - a. Describe the MEL/MIL concepts.
  - b. Describe the JEMM system and its support for the MEL/MIL process.
2. Manage JEMM scenarios
  - a. JEMM scenario creation
  - b. JEMM user management
  - c. JEMM scenario basic information
  - d. JEMM scenario roles
  - e. JEMM workflow management
  - f. JEMM scenario administration: injection means, TA, EXCON, portal
3. Describe and apply JEMM for MEL/MIL process
  - a. JEMM Import/Export functionality.
  - b. JEMM Geospatial configuration.
  - c. Scenario Key Processes and Events
  - d. Story Line preparation and execution
4. JEMM Mobile Observer/Trainer Support
  - a. JEMMpad features

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Qualification

JEMM Data Administrator

## Student Criteria

The course is designed for military and civilian staff who are required to manage JEMM scenarios.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

All Ranks and Grades

## Special Instructions

# Joint Exercise Management Module (JEMM) system administrator

Course ID

A5006

Remote Participation available: no

On Demand onsite delivery available: yes

Location: The Hague (NLD)

Minimum Class Size: 4

Maximum Class Size: 8

Course Length (working days): 2

## Purpose of Course

This course provides military and civilian personnel with training on the installation and administration of the Joint Exercise Management Module (JEMM) and associated additional software applications. JEMM is a NATO Off-The-Shelf product that is approved for fielding and is used by all NCS trainers and by a large community of trainers in NATO and partner nations. Through presentation, demonstration and practical exercises, students will acquire knowledge of the installation and technical management of the application and of interoperable services.

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

1. Plan for and install a JEMM server
  - a. Describe the JEMM server pre-requisites.
  - b. Install JEMM on a server.
2. Manage JEMM scenarios
  - a. JEMM security and authorisation
  - b. JEMM scenario configuration
3. Describe and apply JEMM interoperability features
  - a. JEMM Import/Export functionality.
  - b. JEMM Geospatial configuration.
4. JEMM Troubleshooting
  - a. JEMM Troubleshooting

## Qualification

JEMM System Administrator

## Student Criteria

The candidate must:

- Be assigned to a NATO, NATO Nation, all partner Nations and Organisations Headquarters position where the relevant JEMM software is or is to be used and applied.
- Meet the stated background knowledge prerequisites.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

Administration of Microsoft Windows Server 2008 or above.

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## JChat User

Course ID

A9001

Remote Participation available: no

On Demand onsite delivery available: yes

Location: The Hague (NLD)

Minimum Class Size: 4

Maximum Class Size: 10

Course Length (working days): 0.5

## Purpose of Course

To provide military and civilian personnel at NATO, NATO nations and partner nations with knowledge and practical experience to employ JChat Client functionality in operations and exercises.

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Learning Objectives

Upon completion of the course, the student will:

- be able to describe the components of a JChat installation
- have practical experience in using JChat client and its features, e.g. profiles, multi user chat, private chat, notifications, keyword highlighting, search, presence
- have practical experience in configuring the JChat client

## Qualification

JChat User (Certificate of Attendance)

## Student Criteria

The student should have the required background knowledge and be assigned to NATO, a NATO Nation or PfP nation.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

To successfully take part in this course, the candidate must have:  
basic computer skills including the use of mouse, keyboard and printer, experience with using graphical user interfaces like Microsoft Windows.

## Prerequisite Course

# JChat Client Administrator

Course ID

A9002

Remote Participation available: no

On Demand onsite delivery available: no

Location: The Hague (NLD)

Minimum Class Size: 4

Maximum Class Size: 10

Course Length (working days): 0.5

## Purpose of Course

To provide military and civilian personnel at NATO, NATO nations and partner nations with knowledge and practical experience in JChat Client Administration.

## Learning Objectives

Upon completion of the course, the student will:

- be able to describe the components of a JChat installation
- have practical experience in JChat Client Administration
- have practical experience in installation of JChat Client software (centralized installation, local installation and configuration)
- have practical experience in configuration of JChat Client software
- have practical experience in accessing the archive, search in archive and monitoring capabilities
- have practical experience in setting up connections from the JChat Client to other NATO Systems, e.g. JOCWatch, CORSOM, INT-CORE, ACCS, ICC, JTS, NCOP, AirC2IS

To successfully take part in this course, the candidate must have:

- basic computer skills including the use of mouse, keyboard and printer
- experience with using graphical user interfaces like Microsoft Windows
- basic knowledge of IP networks
- working knowledge of JChat client

## Prerequisite Course

N/A

## Value Notes

CAT C: Prepaid for NCS through AMDC2 POW; pricing applied to seats and MTTs for units outside NCS (if available)

## Qualification

JChat Client Administrator (Certificate of Attendance)

## Student Criteria

The student should have the required background knowledge and be assigned to NATO, a NATO Nation or PFP nation.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

# JChat FAS Manager

Course ID

A9003

Remote Participation available: no

On Demand onsite delivery available: yes

Location: The Hague (NLD)

Minimum Class Size: 4

Maximum Class Size: 10

Course Length (working days): 0.5

## Purpose of Course

To provide military and civilian personnel at NATO, NATO Nation, all partner Nations and Organisations Headquarters with training in the management of the Joint Tactical Chat (JChat) suite of applications from an operational, mission oriented End User point of view.

## Learning Objectives

Upon completion of the course, the student will:

- be able to describe and use the JChat Client, as designated for operations and exercises
- be able to explain the different interrelationships and areas of responsibilities that exist between Computer Information Systems (CIS), Information and Knowledge Management (IKM) and J3/CURRENT OPS, with respect to the control and management of JChat
- be able to explain the use of the JChat components (client, server, services, integration components, etc.).
- be able to explain the JChat interfaces with Core Enterprise Services (CES)
- be able to explain how JChat integrates with other Functional Area Services (FAS), e.g. JOCWatch, CORSOM, INT-CORE, ACCS, ICC, JTS, NCOP, AirC2IS
- have practical experience in accessing the archive, search in archive and monitoring capabilities

## Qualification

JChat FAS Manager (Certificate of Attendance)

## Student Criteria

The student should have the required background knowledge and be assigned to NATO, a NATO Nation or PfP nation.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

All Ranks and Grades

## Special Instructions

All students will undertake practical exercises to demonstrate the ability to apply the skills

that were taught.

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

To successfully take part in this course, the candidate must have:

- basic computer skills including the use of mouse, keyboard and printer
- experience with using graphical user interfaces like Microsoft Windows
- basic knowledge of IP networks
- working knowledge of JChat client

## Prerequisite Course

JChat User

## Value Notes

CAT C: Prepaid for NCS through AMDC2 POW; pricing applied to seats and MTTs for units outside NCS (if available)

# JChat Openfire Server Administrator

Course ID

A9004

Remote Participation available: no

On Demand onsite delivery available: no

Location: The Hague (NLD)

Minimum Class Size: 4

Maximum Class Size: 10

Course Length (working days): 3

## Purpose of Course

To provide military and civilian personnel at NATO, NATO nations and partner nations with training in the Systems Administration of the Joint Tactical Chat (JChat) Openfire Instant Messaging server.

## Learning Objectives

Upon completion of the course, the student will:

- be able to explain the concepts of computer networking and Virtual Machine Structures
- have knowledge and practical experience in using Openfire as an Instant Messaging and Message Archive Server
- have practical experience in using the Openfire Admin Console to control program and data access
- be able to describe and demonstrate the use of the following capabilities of Openfire: User and User Group management, Roster and Presence service, Group Chat service, Archive/Search in Archive service, Service Monitoring and Dynamic Chat Forms service
- have practical experience in performing the Openfire operations and maintenance activities (backup, import/export, and user and chat room migration)

## Qualification

JChat Openfire Server Administrator  
(Certificate of Attendance)

## Student Criteria

The student should have the required background knowledge and be assigned to NATO, a NATO Nation or PfP nation.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

All students will undertake practical exercises to demonstrate the ability to apply the skills that were taught.

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

To successfully take part in this course, the candidate must have:

- working knowledge of Microsoft Windows Administration
- working knowledge of Database Administration
- basic knowledge of IP networks
- basic computer skills including the use of mouse, keyboard and printer
- experience with using graphical user interfaces like Microsoft Windows
- experience with Microsoft Windows and the common Microsoft Office applications (Word, PowerPoint)
- working knowledge of JChat client

## Prerequisite Course

JChat User

## Value Notes

CAT C: Prepaid for NCS through AMDC2 POW; pricing applied to seats and MTTs for units outside NCS (if available)

# JChat M-Link Server Administrator

Course ID

A9005

Remote Participation available: no

On Demand onsite delivery available: no

Location: The Hague (NLD)

Minimum Class Size: 4

Maximum Class Size: 10

Course Length (working days): 3

## Purpose of Course

To provide military and civilian personnel at NATO, NATO nations and partner nations with training in the Systems Administration (Sys Admin) of M-Link and Management of the M-Link suite of programs. M-Link is an Instant Messaging server based on the XMPP (eXtensible Messaging and Presence) protocol, which is used within the JChat (Joint Tactical Chat) program.

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

- explain the concepts of computer networking and Virtual Machine Structures.
- describe and demonstrate use of the M-Link components.
- describe the use of M-Link as an Instant Messaging and Message Archive server.
- describe and demonstrate the use of the M-Link Console (MLC) of M-Link to control program and data access.
- describe and demonstrate the use of the Web Client to access the Archive/ Search in archive and Monitoring capabilities of M-Link
- describe and perform the M-Link Operations and Maintenance activities (backup, import/export, and user and chat room migration).
- describe the M-Link interface relationships and gateways

## Qualification

JChat M-Link Server Administrator (Certificate of Attendance)

## Student Criteria

The student should have the required background knowledge and be assigned to NATO, a NATO Nation or PfP nation.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

To successfully take part in this course, the candidate To successfully take part in this course, the candidate must have:

- working knowledge of Microsoft Windows Administration
- working knowledge of Database Administration
- basic knowledge of IP networks
- basic computer skills including the use of mouse, keyboard and printer
- experience with using graphical user interfaces like Microsoft Windows
- experience with Microsoft Windows and the common Microsoft Office applications (Word, PowerPoint)
- working knowledge of JChat client

## Prerequisite Course

N/A

## Value Notes

CAT C: Prepaid for NCS through AMDC2 POW; pricing applied to seats and MTTs for units outside NCS (if available)



## JChat Combined Openfire Server and JChat Client Administrator

Course ID

A9006

Remote Participation available: no

On Demand onsite delivery available: no

Location: The Hague (NLD)

Minimum Class Size: 4

Maximum Class Size: 10

Course Length (working days): 4

## Purpose of Course

To provide military and civilian personnel at NATO, NATO nations and partner nations with training in administration of both the JChat Openfire Server and the JChat Client. This course combines A9002 and A9004.

## Learning Objectives

Upon completion of the course, the student will:

- be able to describe the components of a JChat installation
- be able to describe the concepts of computer networking and Virtual Machine Structures
- have practical experience in JChat Client Administration
- have practical experience in installation of JChat Client software (centralized deployment, local installation, and configuration)
- have practical experience in configuration of JChat Client software
- have practical experience in accessing the archive, search in archive and monitoring capabilities
- have practical experience in setting up connections from the JChat Client to other NATO Systems, e.g. JOCWatch, INTCORE, ICC, ACCS, JTS
- have knowledge and practical experience in using Openfire as an Instant Messaging and Message Archive server
- have practical experience in using the Openfire Admin Console to control program and data access
- be able to describe and demonstrate the use of the following capabilities of Openfire: User and User Group management, Roster and Presence service, Group Chat service, Archive/Search in Archive service, Service Monitoring and Dynamic Chat Forms service
- have practical experience in performing the Openfire operations and maintenance activities (backup, import/export, and user and chat room migration)

## Qualification

JChat Openfire Server Administrator  
(Certificate of Attendance)  
JChat Client Administrator (Certificate of Attendance)

## Student Criteria

The student should have the required background knowledge and be assigned to

NATO, a NATO Nation or Pfp nation.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO RESTRICTED (NR)

## Pre-Course Study Material

N/A

## Background

To successfully take part in this course, the candidate must have:

- Working knowledge of Microsoft Windows Administration
- Working knowledge of Database Administration
- Basic knowledge of IP networks
- Basic computer skills including the use of mouse, keyboard and printer
- Experience with using graphical user interfaces like Microsoft Windows
- Experience with Microsoft Windows and the common Microsoft Office applications (Word, PowerPoint)
- Working knowledge of JChat client

## Prerequisite Course

N/A

## Value Notes

CAT C: Prepaid for NCS through AMDC2 POW; pricing applied to seats and MTTs for units outside NCS (if available)

# NATO Land Command and Control Information Services (LC2IS) System Administrator

Course ID

**A9007**

Remote Participation available: no

On Demand onsite delivery available: yes

Location: The Hague (NLD)

Minimum Class Size: 2

Maximum Class Size: 6

Course Length (working days): 4.5

## Purpose of Course

To provide students with the knowledge to install the LC2IS system, to configure and to maintain the LC2IS application in operational condition.

## Learning Objectives

Upon the completion of the course, the qualified student will be able to:

- Install LC2IS system within their site.
- Configure LC2IS system considering the site needs.
- Maintain the application in operational condition: day-to-day administration (log files, services, accounts, track tool, backup or restore the LC2IS data repositories).

## Qualification

NATO LC2IS Site Administrator

## Student Criteria

The candidate must:

- Be assigned to a NATO, NATO Nation, all partner Nations and Organisations Headquarters position where the relevant software is or is to be used and applied.
- Meet the stated background knowledge prerequisites.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

All students will undertake practical exercises to demonstrate the ability to apply the skills that were taught.

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

Review LC2IS System Admin Manual  
Complete LC2IS CBT Modules

## Background

To successfully take part in this course, the candidate must have working knowledge of:

- Windows Operating System (Microsoft Cluster

Service, Network Load Balancing, TCP/IP),

- MOSS 2016 Standard Edition
- SQL 2016 Mirroring mode,
- Domain administration (baseline security settings, clampdown) and technology to guarantee and optimize the access to the data (SAN).
- Virtualization.
- Software management in a Windows Server 2016 and Windows 10 environment
- Deploying and managing applications natively, virtually, and in the cloud
- Administering IIS
- Configuring AD DS for use in authentication, authorization, and as a user store
- Managing databases and server roles in SQL Server

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

# Functional Area Service for dynamic and time-sensitive Targeting (FAST) User Course

Course ID

A9008

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Oeiras (PRT)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 3

## Purpose of Course

To provide instruction on the Individual use of the FAST application in support of the Dynamic Targeting and Time Sensitive Targeting (TST) processes.

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

- Explain what Time sensitive targets are and where the process occurs within the Joint Targeting Cycle
- Demonstrate using the TST Matrix, FAST Map, CGRS, kill-box management, Search, Target and Mission Editor
- Participate in a TST exercise with an assigned role and assign or complete role assigned tasks using the Coordination Tasking editor
- Demonstrate the use of the Collaborative Chat capability within FAST.

## Qualification

Certificate of attendance: FAST User

## Student Criteria

The candidate must:

- Be assigned to a NATO, NATO Nation, all partner Nations and Organisations Headquarters position where the relevant software is or is to be used and applied.
- Meet the stated background knowledge prerequisites.

By default staff working in J2/3/5 cell in general or specific as targeteer.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

All students will undertake practical exercises to demonstrate the ability to apply the skills that were taught.

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

The FAST User Course is NOT a targeting theory course.

It is strongly recommended that students should have attended a NATO Targeting Course at a NATO or National facility prior to attending.

To successfully take part in this course, the candidate must:

- Have basic computer skills including the use of mouse, keyboard and printer.
- Be familiar with the use of a graphical user interface (GUI) like windows.
- Have working knowledge of Microsoft Windows and the common Microsoft Office applications (Word, PowerPoint).

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

# Integrated Command and Control (ICC) Data Manager

Course ID

A9009

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 4

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

To provide instruction on the management of the ICC tool in support of ICC Site coordination and Data management activities.

## Learning Objectives

Upon completion of the course, the qualified student will be able to Explain and Demonstrate:

- ICC Site coordination, deployment and configuration
- ICC data management
- ICC data replication

## Qualification

ICC Data Manager

## Student Criteria

The candidate must:

- Be assigned to a NATO, NATO Nation, all partner Nations and Organisations Headquarters position where the relevant software is or is to be used and applied.
- Meet the stated background knowledge prerequisites.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

All students will undertake practical exercises to demonstrate the ability to apply the skills that were taught.

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

To successfully take part in this course, the candidate must:

- Have attended the ICC User Course
- Have attended the ICC System Administrator Course
- Have basic computer skills including the use of mouse, keyboard and printer.

- Be familiar with the use of a graphical user interface (GUI) like windows.

- Have working knowledge of Microsoft Windows and the common Microsoft Office applications (Word, PowerPoint)

## Prerequisite Course

Combined NISP ICC System Administrator (CNIC), Windows ICC System Administrator (WICC), Integrated Command and Control (ICC) User

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

# Integrated Command and Control (ICC) User

Course ID

A9010

Remote Participation available: no

On Demand onsite delivery available: no

Location: Oeiras (PRT)

Minimum Class Size: 4

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

To provide instruction on the use of the ICC tool in support of Air C2 activities.

## Learning Objectives

Upon completion of the course, the qualified student will be able to Demonstrate:

- The use of the ICC Map
- The use of Current Operations Tools (ATO, Mission Execution)
- The use of the Airspace Management Tools
- How to use ICC Totes and Editors
- The use of the ICC Panels: C2 overlays, Favourites, Places, Briefings, Map layers, Search & Find

## Qualification

Integrated Command and Control (ICC) User

## Student Criteria

The candidate must:

- Be assigned to a NATO, NATO Nation, all partner Nations and Organisations Headquarters position where the relevant software is or is to be used and applied.
- Meet the stated background knowledge prerequisites.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

All students will undertake practical exercises to demonstrate the ability to apply the skills that were taught.

## Security Clearance

NATO RESTRICTED (NR)

## Pre-Course Study Material

N/A

## Background

The ICC User Course is not an Air C2 theory course.

It is strongly recommended that students should have attended a NATO Air C2 Course at a NATO or National facility prior to attending.

To successfully take part in this course, the candidate must have working knowledge of:

- Basic computer skills including the use of mouse, keyboard and printer.
- The use of a graphical user interface (GUI) like windows.
- Microsoft Windows and the common Microsoft Office applications (Word, PowerPoint)

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

# Joint Targeting System (JTS) User

Course ID

A9011

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Oeiras (PRT)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 4

## Purpose of Course

To provide instruction on the use of the JTS tool in support of the Joint Targeting Process including JFX, Joint Effects-Based Targeting and assists the user with campaign synchronisation, target development, HVI development, target list management, target folder preparation, target imagery management and combat assessment.

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

- Explain what Deliberate targets are and how they are processed within the Joint Targeting Cycle
- Demonstrate using the JTS Map
- Demonstrate creation of a Campaign Phase and associated its- objectives
- Demonstrate creation of Targets, HVIs, Target folders and Target lists.
- Demonstrate the ability to manage DPI and Weaponing
- Demonstrate the use of Combat Assessment within JTS.
- Demonstrate the ability to manage media within JTS.

## Qualification

Certificate of attendance: JTS User

## Student Criteria

The candidate must:

- Be assigned to a NATO, NATO Nation, all partner Nations and Organisations Headquarters to a Targeting cell position where the relevant software is or is to be used and applied.
- Meet the stated background knowledge prerequisites.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

All students will undertake practical exercises to demonstrate the ability to apply the skills

that were taught.

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

The JTS User Course is NOT a targeting theory course.

It is strongly recommended that students should have attended a NATO Targeting Course at a NATO or National facility prior to attending.

To successfully take part in this course, the candidate must have working knowledge of:

- Basic computer skills including the use of mouse, keyboard and printer.
- The use of a graphical user interface (GUI) like windows.
- Microsoft Windows and the common Microsoft Office applications (Word, PowerPoint).

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

# JChat Combined M-LINK Server and Client Administrator

Course ID

A9012

Remote Participation available: no

On Demand onsite delivery available: no

Location: The Hague (NLD)

Minimum Class Size: 4

Maximum Class Size: 10

Course Length (working days): 4

## Purpose of Course

To provide military and civilian personnel at NATO, NATO nations and partner nations with training in administration of both the JChat M-Link server and the JChat Client. This course combines A9002 and A9005.

## Learning Objectives

Upon completion of the course, the student will:

- be able to describe the components of a JChat installation
- be able to describe the concepts of computer networking and Virtual Machine Structures.
- have practical experience in JChat Client Administration
- have practical experience in installation of JChat Client software (centralized deployment, local installation, and configuration)
- have practical experience in configuration of JChat Client software
- have practical experience in using the Web Client to access the archive, search in archive and monitoring capabilities
- have practical experience in setting up connections from the JChat Client to other NATO Systems, e.g. JOCWatch, INTCORE, ICC, ACCS, JTS
- have knowledge and practical experience in using M-Link as an Instant Messaging and Message Archive server
- have practical experience in using the M-Link
- have practical experience in performing the M-Link operations and maintenance activities (backup, import/export, and user and chat room migration).

## Qualification

JChat M-Link Server Administrator (Certificate of Attendance)

JChat Client Administrator (Certificate of Attendance)

## Student Criteria

The student should have the required background knowledge and be assigned to NATO, a NATO Nation or PFP nation.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

To successfully take part in this course, the candidate must have:

- Working knowledge of Microsoft Windows Administration
- Working knowledge of Database Administration
- Basic knowledge of IP networks
- Basic computer skills including the use of mouse, keyboard and printer
- Experience with using graphical user interfaces like Microsoft Windows
- Experience with Microsoft Windows and the common Microsoft Office applications (Word, PowerPoint)
- Working knowledge of JChat client

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

# NATO Use of IBM Analyst-s Notebook User

Course ID

A9014

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Oeiras (PRT)

Minimum Class Size: 10

Maximum Class Size: 15

Course Length (working days): 3

## Purpose of Course

To provide military and civilian personnel at NATO, NATO Nation, all partner Nations and Organisations Headquarters with training of the essential features of ANB. During this course, students learn how to develop charts from intelligence reports, statements, telephone billing and other records, discover how to manage and keep track of information as your charts grow, including how to produce briefing charts and tables.

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

- Understand chart elements - Entities, Links and Properties
- Search Charts - Use the Analytical tools - Create association, sequence of events and commodity flow charts - Import external structured data to produce charts Interrogate charts with a variety of analytical tools including Filtering and Social Network Analysis
- Create charts, tables and histograms for briefing and dissemination

## Qualification

IBM Analyst-s Notebook (ANB 9.x) User Course. The qualification is valid for the stated version of the ANB software.

## Student Criteria

The candidate must:

- Be assigned to a NATO, NATO Nation, all partner Nations and Organisations Headquarters position where the relevant software is or is to be used and applied.
- Meet the stated background knowledge prerequisites.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

The IBM i2 suite is Commercial Of The Shelf software and requires a purchased license for each workstation.

All students will undertake practical exercises to demonstrate the ability to apply the skills that were taught.

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

To successfully take part in this course, the candidate must:

- Be able to display and eventually prove theoretical and/or practical skills relating to intelligence analysis
- Have basic computer skills including the use of mouse, keyboard and printer.
- Be familiar with the use of a graphical user interface (GUI) like windows.

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)



# J2X Intelligence Systems

Course ID

A9015

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Oeiras (PRT)

Minimum Class Size: 5

Maximum Class Size: 15

Course Length (working days): 2

## Purpose of Course

To provide military and civilian personnel at NATO, NATO Nation, all partner Nations and Organisations Headquarters with training on the essential features of the J2X systems HUMINT Management and Reporting Tool Source De-confliction (HMART-SD) version 2.x, HMART Online Module (HMART OM ) version 1.x and HMART OM Locally Employed Personnel (HMART OM LEP). The HMART systems are the official mandatory NATO tools at the heart of all NATO J2X operations. The modules SD, OM are used both at the Field HUMINT Team (FHT) level and at J2X level for source registration, de-confliction and workflow management, while HMART OM LEP is used by J2X vetting teams to manage the vetting of LEPs in NATO Mission headquarters.

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

- Create source objects
- Use the various search capabilities
- Create and upload a variety of J2X intelligence reports
- Perform local source de-confliction
- Submit Theatre Source Registration de-confliction and dis/re-engagement requests
- Create alerts and warning objects.
- Create Fragmentation Orders (FRAGO) for various HUMINT/J2X tasks.
- Understand the FRAGO workflow.
- Upload LEP V1 forms
- Manage LEP records
- Configure and manage all HMART systems for first use.
- Manage user permissions
- Understand how the organization can benefit from the HMART.

## Qualification

HMART SD version 2.x and OM/OM LEP version 1.x Course

The qualification is valid for the stated version of the HMART software

## Student Criteria

The candidate must:

- Be assigned to a NATO, NATO Nation, all partner Nations and Organisations Headquarters position where the relevant software is or is to be used and applied.
- Be assigned to a NATO or national equivalent CI, HUMINT or J2X position in a NATO mission.
- Meet the stated background knowledge

prerequisites.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

All students will undertake practical exercises to demonstrate the ability to apply the skills that were taught.

## Security Clearance

NATO RESTRICTED (NR)

## Pre-Course Study Material

N/A

## Background

To successfully take part in this course, the candidate must:

- Be able to display and eventually prove theoretical and/or practical skills relating to intelligence analysis
- Have basic computer skills including the use of mouse, keyboard and printer.
- Be familiar with the use of a graphical user interface (GUI) like windows.
- Have Microsoft Windows and the common Microsoft Office applications (Word, PowerPoint and Excel)

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

# Intelligence Functional Service (INTEL-FS) Basic User

Course ID

A9026

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Mobile Training Team

Minimum Class Size: 10

Maximum Class Size: 15

Course Length (working days): 2

## Purpose of Course

To provide military and civilian personnel at NATO, National, all partner Nations, and Organisations Headquarters, with the knowledge and skills to employ the basic functions and capabilities of the Intel-FS, as designated for operations and exercises.

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

- Identify the Intel-FS system in a multi-domain environment.
- Demonstrate a working knowledge of the INTEL-FS system-s functions.
- Understand the various functions in INTEL-FS for the creation and management of Data Products.
- Gain access to Intel-FS from an NS workstation.
- Identify the roles, permissions and rights used within INTEL-FS.
- Organise and analyse INTEL-FS Data Products using the specialised views.
- Execute Search options, save collections and create folders.
- Subscribe to RSS feeds, saved searches, collections and data feeds.
- Use the available generic functions in INTEL-FS.
- Understand the way notifications are used in INTEL-FS.

## Qualification

INTEL-FS User Course.

The qualification is valid for the stated version of the INTEL-FS software.

## Student Criteria

The candidate must:

- Be assigned to a NATO, NATO Nation, all partner Nations and Organisations Headquarters position where the relevant software is or is to be used and applied.
- Meet the stated background knowledge prerequisites.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV/All Ranks and Grades

## Special Instructions

All students will undertake practical exercises to demonstrate the ability to apply the skills that were taught.

In case of an on site requested delivery: Prices are based on delivery in a classroom that is equipped by the requesting party with the number of workstations that are required for the maximum number of students as listed in the catalogue for the course. All workstations must be connected in a network that provides access to the systems that are requested for training. Services to prepare an onsite classroom environment up to level are not included in the standard price, in case requested this will be charged against the cost on top of the prices stated in this catalogue.

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

To successfully take part in this course, the candidate must:

- Be able to display and eventually prove theoretical and/or practical skills relating to intelligence analysis
- Have basic computer skills including the use of mouse, keyboard and printer.
- Be familiar with the use of a graphical user interface (GUI) like windows.
- Have Microsoft Windows and the common Microsoft Office applications (Word, PowerPoint and Excel)

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

# Intelligence Functional Service (INTEL-FS) Battle Space Objects (BSO) Management

Course ID

A9027

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Mobile Training Team

Minimum Class Size: 10

Maximum Class Size: 15

Course Length (working days): 1

## Purpose of Course

To provide military and civilian personnel at NATO, NATO Nation, all partner Nations and Organisations Headquarters with training to:

- Accurately create, edit and link BSO records in an INTEL-FS database.
- Apply recommended workflow for data collation and practice with techniques that help ensure data integrity.

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

- Understand what the BSO module is, what it can do, and how it is used.
- Understand how the collation process works.
- Work with different types of Battle Space Objects (BSO-s).
- Use BSO-s in combination with the map view.
- Add, copy, compare and edit BSO records.
- Create and manipulate links between BSO records.

## Qualification

Intelligence Functional Service (INTEL-FS) Battle Space Objects (BSO) Management Course.

The qualification is valid for the stated version of the INTEL-FS software.

## Student Criteria

The candidate must:

- Be assigned to a NATO, NATO Nation, all partner Nations and Organisations Headquarters position where the relevant software is or is to be used and applied.
- Meet the stated background knowledge prerequisites.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

All students will undertake practical exercises to demonstrate the ability to apply the skills that were taught.

In case of an on site requested delivery:

Prices are based on delivery in a classroom that is equipped by the requesting party with the number of workstations that are required for the maximum number of students as listed in the catalogue for the course. All workstations must be connected in a network that provides access to the systems that are requested for training.

Services to prepare an onsite classroom environment up to level are not included in the standard price, in case requested this will be charged against the cost on top of the prices stated in this catalogue.

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

To successfully take part in this course, the candidate must:

- Have attended the INTEL-FS User Course
- Be able to display and eventually prove theoretical and/or practical skills relating to intelligence analysis
- Have basic computer skills including the use of mouse, keyboard and printer.
- Be familiar with the use of a graphical user interface (GUI) like windows.
- Have Microsoft Windows and the common Microsoft Office applications (Word, PowerPoint and Excel)

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

# Intelligence Collection Management Tool (ICMT)

Course ID

A9030

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Mobile Training Team

Minimum Class Size: 10

Maximum Class Size: 15

Course Length (working days): 2.5

## Purpose of Course

To provide military and civilian personnel within an intelligence organisation at NATO, NATO Nations, all partner Nations and organizations, and Headquarters the skills to use ICMT.

The instruction provided is tailored to the individual, working within a collective/collaborative intelligence environment at an HQ in the NATO Command Structure or NATO Readiness Force structure.

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

- Understand the basics of ICMT
- Understand the ICMT architecture
- Understand the importance of creating ICMT ORBAT
- Understand the CM process
- Understand the creation of ICP, PIR, SIR and EEI
- Create an ICP, PIR, SIR and EEI
- Create an ISR Request
- Create an ORBAT
- Perform all required steps in the ICMT workflow process

## Qualification

Intelligence Collection Management Tool (ICMT) version 3.x User Course.

The qualification is valid for version 3.x of the ICMT software.

## Student Criteria

The candidate must:

- Be assigned to a NATO, NATO Nation, all partner Nations and Organisations Headquarters position where the relevant software is or is to be used and applied.
- Meet the stated background knowledge prerequisites.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

To successfully take part in this course, the candidate must:

- Be able to display and eventually prove theoretical and/or practical skills relating to intelligence analysis
- Have basic computer skills including the use of mouse, keyboard and printer.
- Be familiar with the use of a graphical user interface (GUI) like windows.
- Have Microsoft Windows and the common Microsoft Office applications (Word, PowerPoint and Excel)

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

# Intelligence Functional Service (INTEL-FS) Organisational Node Administration (ONA)

Course ID

**A9032**

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Mobile Training Team

Minimum Class Size: 10

Maximum Class Size: 15

Course Length (working days): 0.5

## Purpose of Course

To provide military and civilian personnel at NATO, NATO Nation, all partner Nations and Organisations Headquarters with Organisational Node Administrator training of the Intel-FS system.

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

- Explain the role of the Organisational Node Administrator in the INTEL-FS domain.
- Create and manage user accounts.
- Make changes to the Organisational Node configuration.
- Hide Domain Values.
- Create and publish RSS feeds.
- Create notifications and manage notification templates.
- Create pre-defined favourites.
- Import/Export entities.
- Configure and access the audit log

## Qualification

Intelligence Functional Service (INTEL-FS) Organisational Node Administration (ONA) Course.

The qualification is valid for the stated version of the INTEL-FS software.

## Student Criteria

The candidate must:

- Be assigned to a NATO, NATO Nation, all partner Nations and Organisations Headquarters position where the relevant software is or is to be used and applied.
- Meet the stated background knowledge prerequisites.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

All students will undertake practical exercises to demonstrate the ability to apply the skills that were taught.

In case of an on site requested delivery:

Prices are based on delivery in a classroom that is equipped by the requesting party with the number of workstations that are required for the maximum number of students as listed in the catalogue for the course. All workstations must be connected in a network that provides access to the systems that are requested for training.

Services to prepare an onsite classroom environment up to level are not included in the standard price, in case requested this will be charged against the cost on top of the prices stated in this catalogue.

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

To successfully take part in this course, the candidate must:

- Have attended the INTEL-FS User Course
- Be able to display and eventually prove theoretical and/or practical skills relating to intelligence analysis
- Have basic computer skills including the use of mouse, keyboard and printer.
- Be familiar with the use of a graphical user interface (GUI) like windows.
- Have Microsoft Windows and the common Microsoft Office applications (Word, PowerPoint and Excel)

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## JOCWatch User

Course ID

A9033

Remote Participation available: no

On Demand onsite delivery available: yes

Location: The Hague (NLD)

Minimum Class Size: 8

Maximum Class Size: 15

Course Length (working days): 0.5

## Purpose of Course

To provide military and civilian personnel at NATO, NATO Nation, all partner Nations and Organisations Headquarters with the knowledge and skills to employ the JOCWatch Functionality available for the User/Reader Role, as designated for operations and exercises.

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

- Describe the JOCWatch operational capability.
- Identify and Use the functionality available in JOCWatch for the User/Reader role.
- Explain the principles of Published Open and Closed incident log entries.
- Describe the information displayed in the Incident Log.
- Explain the Incident Number paradigm relative to incident reports (initial and updates).
- Generate reports from JOCWatch.
- Describe JOCWatch Deployment and the associated Mission Wide Incident Number concept.

## Qualification

JOCWatch User (Version 3.2 )

## Student Criteria

The candidate must:

- Be assigned to a NATO, NATO Nation, all partner Nations and Organisations Headquarters position where the relevant software is or is to be used and applied.
- Meet the stated background knowledge prerequisites.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

All students will undertake practical exercises to demonstrate the ability to apply the skills that were taught.

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

To successfully take part in this course, the candidate must:

- Have basic computer skills including the use of mouse, keyboard and printer.
- Be familiar with the use of a graphical user interface (GUI) like windows.
- Have Microsoft Windows and the common Microsoft Office applications (Word, PowerPoint and Excel)

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## JOCWatch Maintainer

Course ID

A9034

Remote Participation available: no

On Demand onsite delivery available: yes

Location: The Hague (NLD)

Minimum Class Size: 4

Maximum Class Size: 10

Course Length (working days): 0.5

## Purpose of Course

To provide military and civilian personnel at NATO, NATO Nation, all partner Nations and Organisations Headquarters with the knowledge and skills to employ the JOCWatch Functionality available for the Maintainer Role, as designated for operations and exercises.

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

- Access JOCWatch with the Maintainer Role.
- Identify and Use the functionality available in JOCWatch for the Maintainer role.
- Explain the Incident Life Cycle.
- Perform Incident Management in support of the Incident Life Cycle.
- Describe JOCWatch Deployment and the concept of Incident Reporting.
- Explain the Mission Wide Incident Number concept.
- Explain how JChat and JOCWatch support Incident Reporting
- Demonstrate the ability to Import Incidents Manually and by means of using the Inbox.
- Demonstrate the ability to Import Forms using the Inbox.

## Qualification

JOCWatch Maintainer (Version 3.2 )

## Student Criteria

The candidate must:

- Be assigned to a NATO, NATO Nation, all partner Nations and Organisations Headquarters position where the relevant software is or is to be used and applied.
- Meet the stated background knowledge prerequisites.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

All students will undertake practical exercises to demonstrate the ability to apply the skills that were taught.

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

To successfully take part in this course, the candidate must:

- Have taken the JOCWatch User Course.
- Have basic computer skills including the use of mouse, keyboard and printer.
- Be familiar with the use of a graphical user interface (GUI) like windows.
- Have Microsoft Windows and the common Microsoft Office applications (Word, PowerPoint and Excel)

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

# JOCWatch Administrator

Course ID

A9035

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Oeiras (PRT)

Minimum Class Size: 6

Maximum Class Size: 8

Course Length (working days): 4

## Purpose of Course

To provide military and civilian personnel at NATO, NATO Nation, all partner Nations and Organisations Headquarters with the knowledge and skills to perform JOCWatch Installation, Site Administration and Configuration, as designated for operations and exercises.

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

- Explain the JOCWatch Architecture and its components
- Describe JOCWatch Deployment and the concept of Incident Reporting.
- Identify the steps involved in Installation planning.
- Perform Basic (Standalone) Installation.
- Perform App Configuration.
- Identify the JOCWatch User Roles.
- Perform User and Data management.
- Perform Advanced Setup Activities:
- Perform UI Customization.
- Identify the list of available NVG 1.4 filter parameters.
- Explain how an end user obtains a filtered RSS feed.
- Perform Operation and Maintenance activities.

## Qualification

JOCWatch System Administrator (JOCWatch Version 3.2)

## Student Criteria

The candidate must:

- Be assigned to a NATO, NATO Nation, all partner Nations and Organisations Headquarters CIS support staff position where the relevant software is or is to be used and applied.
- Meet the stated background knowledge prerequisites.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

All students will undertake practical exercises to demonstrate the ability to apply the skills

that were taught.

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

To successfully take part in this course, the candidate must:

- Have a system administration background with a good understanding of distributed systems, web servers, database management systems and TCP/IP networking.

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)



## iGeoSIT End User

Course ID

A9036

Remote Participation available: no

On Demand onsite delivery available: no

Location: The Hague (NLD)

Minimum Class Size: 6

Maximum Class Size: 10

Course Length (working days): 2

## Purpose of Course

To provide military and civilian personnel at NATO, NATO Nation, all partner Nations and Organisations Headquarters with the knowledge and skills to employ the iGeoSIT Functionality, as designated for operations and exercises.

## Learning Objectives

Upon completion of the course, the student will be able to:

- Access iGeoSIT Client.
- Utilise Map Interaction Functions
- Manipulate Geospatial layers
- Manipulate Operational Data Layers/Overlays:
- Search for information across all Data Layers
- Manipulate Coordinates,
- Measure Distances
- Generate reports from iGeoSIT.
- Create and Load Shared Views
- Utilize the Geo Analysis Tools
- Create a Sketch
- Use the Geo-white boarding to support collaborative sketching

## Qualification

iGeoSIT User

## Student Criteria

The candidate must:

- Be assigned to a NATO, NATO Nation, all partner Nations and Organisations Headquarters position where the relevant software is or is to be used and applied.
- Meet the stated background knowledge prerequisites.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

All students will undertake practical exercises to demonstrate the ability to apply the skills that were taught.

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

To successfully take part in this course, the candidate must:

- Have basic computer skills including the use of mouse, keyboard and printer.
- Be familiar with the use of a graphical user interface (GUI) like windows.
- Have Microsoft Windows and the common Microsoft Office applications (Word, PowerPoint and Excel)

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## iGeoSIT System Administration

Course ID

A9037

Remote Participation available: no

On Demand onsite delivery available: yes

Location: The Hague (NLD)

Minimum Class Size: 6

Maximum Class Size: 10

Course Length (working days): 4

## Purpose of Course

To provide military and civilian personnel at NATO, NATO Nation, all partner Nations and Organisations Headquarters with the knowledge and skills to perform iGeoSIT Installation, Site Administration and Configuration, as designated for operations and exercises.

## Learning Objectives

Upon completion of the course, the student will be able to:

- Identify Installation pre-requisites
- Identify Hardware and Software Requirements requirement
- Perform iGeoSIT Installation and post-installation steps
- Manage iGeoSIT Server Web Services
- Configure iGeoSIT data flows (data services)
- Configure iGeoSIT web map services
- Configure iGeoSIT MCCIS2NVG Service
- Configure iGeoSIT Load Balancer
- Verify iGeoSIT server configuration files

## Qualification

iGeoSIT System Administrator

## Student Criteria

The candidate must:

- Be assigned to a NATO, NATO Nation, all partner Nations and Organisations Headquarters CIS support staff position where the relevant software is or is to be used and applied.
- Meet the stated background knowledge prerequisites.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

All students will undertake practical exercises to demonstrate the ability to apply the skills that were taught.

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

To successfully take part in this course, the candidate must:

- Have windows system administration background with a good understanding of distributed systems, web servers, database management systems and TCP/IP networking.

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Allied Command Europe Open Source System (AOSS)

Course ID

A9039

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Mobile Training Team

Minimum Class Size: 10

Maximum Class Size: 15

Course Length (working days): 0.5

## Purpose of Course

To provide military and civilian personnel within an intelligence organisation at NATO, NATO Nations, all partner Nations and organizations, and Headquarters the skills to use AOSS.

The instruction provided is tailored to the individual, working within a collective/collaborative intelligence environment at an HQ in the NATO Command Structure or NATO Readiness Force structure.

## Learning Objectives

Upon completion of the course, the qualified student will be able to: - Understand the AOSS functionalities - Describe the AOSS concept - Understand the AOSS sources, limitations and resource implications - Understand the AOSS interface - Create and save AOSS searches

## Qualification

AOSS version 5.x course

The qualification is valid for version 5.x of the AOSS software

## Student Criteria

Be assigned to a

The candidate must:

- Be assigned to a NATO, NATO Nation, all partner Nations and Organisations Headquarters position where the relevant software is or is to be used and applied.
- Be assigned to a NATO or national equivalent analyst position in a NATO mission.
- Meet the stated background knowledge prerequisites.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

All students will undertake practical exercises to demonstrate the ability to apply the skills that were taught.

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

To successfully take part in this course, the candidate must:

- Be able to display and eventually prove theoretical and/or practical skills relating to intelligence analysis
- Have basic computer skills including the use of mouse, keyboard and printer.
- Be familiar with the use of a graphical user interface (GUI) like windows.
- Have Microsoft Windows and the common Microsoft Office applications (Word, PowerPoint and Excel)- Have Microsoft Windows and the common Microsoft Office applications (Word, PowerPoint and Excel)

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## iGeoSIT Geospatial Server Management

Course ID

A9040

Remote Participation available: no

On Demand onsite delivery available: yes

Location: The Hague (NLD)

Minimum Class Size: 6

Maximum Class Size: 10

Course Length (working days): 1

## Purpose of Course

To provide military and civilian personnel at NATO, NATO Nation, all partner Nations and Organisations Headquarters with the knowledge and skills to configure iGeoSIT Web Map Services, as designated for operations and exercises.

- Have knowledge and experience in working with geospatial formats.

## Prerequisite Course

N/A

## Learning Objectives

Upon completion of the course, the student will be able to:

- Manage iGeoSIT Web Map Services

Information flows

- Identify the different WMS Consumers.

- Identify iGeoSIT supported map Formats.

- Configure iGeoSIT Web Map Services (WMS) using the WMS Config Tool.

- Configure the iGeoSIT Client settings.

- Verify iGeoSIT WMS configuration.

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Qualification

iGeoSIT Geospatial Administrator

## Student Criteria

The candidate must:

- Be assigned to a NATO, NATO Nation,

all partner Nations and Organisations

Headquarters CIS support or Information

Manager staff position where the relevant

software is or is to be used and applied.

- Meet the stated background knowledge prerequisites.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

All students will undertake practical exercises to demonstrate the ability to apply the skills that were taught.

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

To successfully take part in this course, the candidate must:

## iGeoSIT Combined End-User and System Administration

Course ID

A9041

Remote Participation available: no

On Demand onsite delivery available: yes

Location: The Hague (NLD)

Minimum Class Size: 6

Maximum Class Size: 10

Course Length (working days): 5

## Purpose of Course

To provide military and civilian personnel at NATO, NATO Nation, all partner Nations and Organisations Headquarters with the knowledge and skills to utilise the iGeoSIT Client functionality, perform iGeoSIT Server Installation, Site Administration and Configuration of iGeoSIT Data Broker Services, Data Services, and Web Map Services, as designated for operations and exercises.

## Learning Objectives

Upon completion of the course, the student will be able to:

- Access iGeoSIT Client.
- Utilise Map Interaction Functions
- Manipulate Geospatial layers
- Manipulate Operational Data Layers/Overlays:
- Search for information across all Data Layers
- Manipulate Coordinates,
- Measure Distances
- Generate reports from iGeoSIT.
- Create and Load Shared Views
- Utilize the Geo Analysis Tools
- Create a Sketch
- Use the Geo-white boarding to support collaborative sketching
- Identify Installation pre-requisites
- Identify Hardware and Software Requirements requirement
- Perform iGeoSIT Installation and post-installation steps
- Manage iGeoSIT Server Web Services
- Configure iGeoSIT data flows (data services)
- Configure iGeoSIT web map services
- Configure iGeoSIT MCCIS2NVG Service
- Configure iGeoSIT Load Balancer
- Verify iGeoSIT server configuration files

## Qualification

iGeoSIT User  
iGeoSIT System Administrator

## Student Criteria

The candidate must:

- Be assigned to a NATO, NATO Nation, all partner Nations and Organisations Headquarters position where the relevant software is or is to be used and applied.
- Lessons in this course are designed for End Users, System Administrators and Information Managers.
- Meet the stated background knowledge prerequisites.

## Language Proficiency

In accordance with STANAG 6001: English SLP

3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

All students will undertake practical exercises to demonstrate the ability to apply the skills that were taught.

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

To successfully take part in this course, the candidate must:

- Candidates must meet the background prerequisites stated for each individual type of training or as agreed with NCI Agency.
- Have basic computer skills including the use of mouse, keyboard and printer.
- Be familiar with the use of a graphical user interface (GUI) like windows.
- Have Microsoft Windows and the common Microsoft Office applications (Word, PowerPoint, and Excel).

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

# Combined Situational Awareness Functional Area Services for CTE/ exercise

Course ID

A9042

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Mons (BEL)

Minimum Class Size: 6

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

To provide military and civilian personnel at NATO, NATO Nation, all partner Nations and Organisations Headquarters with the skills to use the basic and advanced functionality of JChat, JOCWatch, and iGeoSIT or NCOP.

The instruction provided will be tailored to meet the requirements of the exercise or event, and will be focused on the individual needs of the users working within a collective/collaborative training environment.

## Learning Objectives

The specific training will be based on time allotted for the collective training instruction and be tailored to offer the Learning Objectives as described in the Course Descriptions of each Course:

NCIA Course 9001 - JChat User

NCIA Course 9033 - JOCWatch User

NCIA Course 9034 - JOCWatch Maintainer

NCIA Course 9036 - iGeoSIT End User, or:

NCIA Course 9046 - NCOP User

## Qualification

There is no formal qualification for the support provided.

## Student Criteria

The candidate must:

- Be assigned to a NATO, NATO Nation, all partner Nations and Organisations Headquarters position where the relevant software is or is to be used and applied.
- Meet the stated background knowledge prerequisites.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

Course Duration: As stated in the Course Descriptions for each type of training. However, the duration will reflect the customisation of the Course Learning Objectives, designed to meet the Training and Mentoring Requirements as agreed upon for the Exercise

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

To successfully take part in this course, the candidate must:

- Candidates must meet the background prerequisites stated for each individual type of training or as agreed with NCI Agency.
- Have basic computer skills including the use of mouse, keyboard and printer.
- Be familiar with the use of a graphical user interface (GUI) like windows.
- Have Microsoft Windows and the common Microsoft Office applications (Word, PowerPoint, and Excel).

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

# NATO Intelligence Functional Areas Services Training (NIFST)

Course ID

A9044

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Mobile Training Team

Minimum Class Size: 10

Maximum Class Size: 15

Course Length (working days): 4

## Purpose of Course

To provide military and civilian personnel within an intelligence organisation at NATO, NATO Nations, all partner Nations and organizations, and Headquarters the skills to use basic functionality of INTEL-FS, Intelligence Collection Management Tool (ICMT), ACO Open Source System (AOSS) and IBM i2 Analysts Notebook (ANB).

The instruction provided is tailored to the individual, working within a collective/collaborative intelligence environment at an HQ in the NATO Command Structure or NATO Readiness Force structure.

## Learning Objectives

This course covers parts of the Learning Objectives as described in the Course Descriptions of the following courses:

- NCIA Course 9014 - NATO Use of IBM Analyst-s Notebook User Course
- NCIA Course 9026 - INTEL-FS Basic User Course.
- NCIA Course 9027 - INTEL-FS Battle Space Objects (BSO) Management Course
- NCIA Course 9030 Intelligence Collection Management Tool (ICMT)
- NCIA Course 9039 ACO Open Source System (AOSS)

## Qualification

There is no formal qualification for the support provided.

## Student Criteria

The candidate must:

- Be assigned to a NATO, NATO Nation, all partner Nations and Organisations Headquarters position where the relevant software is or is to be used and applied.
- Meet the stated background knowledge prerequisites.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

Course Duration : As stated in the Course Descriptions for each type of training. However, the duration will reflect the

customisation of the Course Learning Objectives, designed to meet the Training and Mentoring Requirements as agreed upon for the Exercise

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

To successfully take part in this course, the candidate must:

- Candidates must meet the background prerequisites stated for each individual type of training or as agreed with NCI Agency.
- Have basic computer skills including the use of mouse, keyboard and printer.
- Be familiar with the use of a graphical user interface (GUI) like windows.
- Have Microsoft Windows and the common Microsoft Office applications (Word, PowerPoint, and Excel).

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

# Functional Areas Services (FAS) Overview

Course ID

A9045

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Mobile Training Team

Minimum Class Size: 8

Maximum Class Size: 20

Course Length (working days): 4

## Purpose of Course

To provide military and civilian personnel at NATO, NATO Nation, all partner Nations and Organisations Headquarters with a high-level overview of the operational capabilities, processes supported, architecture, interfaces and demonstration of the functionality of JChat, JOCWatch, iGeoSIT, NCOP, ICC, NIRIS, JTS/FAST, INTEL-FS, LOGFAS, and TOPFAS, as designated for use in operations and exercises. This course does not include any hands-on instruction.

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

- Explain the operational background of JChat, JOCWatch, iGeoSIT, NCOP, ICC, NIRIS, JTS/FAST, INTEL-FS, LOGFAS, and TOPFAS.
- Describe the operational capabilities of and processes supported by JChat, JOCWatch, iGeoSIT, NCOP, ICC, NIRIS, JTS/FAST, INTEL-FS, LOGFAS, and TOPFAS.
- Describe the architecture, deployment, information flows and interconnection between and for JChat, JOCWatch, iGeoSIT, NCOP, ICC, NIRIS, JTS/FAST, INTEL-FS, LOGFAS, and TOPFAS.
- Identify the functionality available for the JChat, JOCWatch, iGeoSIT, NCOP, ICC, NIRIS, JTS/FAST, INTEL-FS, LOGFAS, and TOPFAS.

## Qualification

Certificate of Attendance

## Student Criteria

This course is recommended for NATO/ National/Entity HQ Branch Heads (reps from ALL HQ Branches), NATO/National/Entity C4ISR architecture designers and planners, and NATO/National/Entity Program Managers. The candidate must:

- Be assigned to a NATO, NATO Nation, all partner Nations and Organisations Headquarters position where the relevant software is or is to be used and applied.
- Meet the stated background knowledge prerequisites.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

To successfully take part in this course, the candidate must:

- Candidates must meet the background prerequisites stated for each individual type of training or as agreed with NCI Agency.
- Have an understanding of Command and Control services and Headquarter processes.
- Be familiar with the use of a graphical user interface (GUI) like windows.
- Have an understanding of Microsoft Office applications.

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)



# NATO Common Operational Picture (NCOP) User

Course ID

A9046

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Mobile Training Team

Minimum Class Size: 6

Maximum Class Size: 36

Course Length (working days): 2

## Purpose of Course

To provide military and civilian personnel with knowledge and skills to use NCOP application as a NCOP Consumer, and knowledge and skills to contribute information to the COP using the NCOP application.

## Learning Objectives

Upon completion of the introductory User course (1/2 day), the qualified student will be able to:

- Access NCOP
- Display a COP
- Discover Information Products and their content
- Search and filter BSOs
- Access Basic Geospatial functions.

Upon completion of the Advanced user course (1/2 day), the qualified student will be able to:

- Use Advanced Geospatial functions
- Display Information Products Advanced
- Perform advanced Search and filter BSOs
- Customise displays
- Use and contribute Shared Views

Upon completion of the Data Contributor course (1/2 day), the qualified student will be able to:

- Import data into NCOP for contributing to a COP,
- Contribute to a COP using map objects,
- Contribute to a COP using tabular information (COP Worksheet)
- Configure COP worksheet tool to fit specific purposes

## Qualification

NCOP COP User  
NCOP COP Advanced User  
NCOP COP Data Contributor

## Student Criteria

The course is designed for:

- Users assigned to a NATO or National HQ, fielded with NCOP.
- Meet the stated background knowledge prerequisites.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

All students will undertake practical exercises to demonstrate the ability to apply the skills that were taught.

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

To successfully take part in this course, the candidate must have working knowledge of:

- Basic computer skills including the use of mouse, keyboard and printer.
- The use of a graphical user interface (GUI) like windows.
- Microsoft Windows and the common Microsoft Office applications (Word, PowerPoint)
- Access to and familiarity with MS Excel is required for Data Contributor module

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

# NATO Common Operational Picture (NCOP) COP Manager

Course ID

A9047

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Mobile Training Team

Minimum Class Size: 6

Maximum Class Size: 10

Course Length (working days): 2

## Purpose of Course

To provide military and civilian personnel with knowledge and skills to manage a Common Operational Picture using the NCOP application.

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

- Manage COP Sources
- Manage Information Products
- Manage a COP
- Manage User contributions
- Archive/restore a COP
- Manage Alerts
- Manage Users
- Monitor Business Activity: active processes
- Create 'basic' visualisation and post-processing
- Disseminate COPs
- Synchronise COPs

## Qualification

NATO NCOP Manager

## Student Criteria

The course is designed for:

- Users assigned to a NATO or National HQ, fielded with NCOP.
- Meet the stated background knowledge prerequisites.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

All students will undertake practical exercises to demonstrate the ability to apply the skills that were taught.

If the course is delivered with MTT at location, local infrastructure must be prepared by requestor in accordance with NCOP Training environment (dataset available on media).

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

ACO Directive 80-80 (COP)

ACO Directive 80-83 (RGP)

## Background

To successfully take part in this course, the candidate must have :

- Reviewed Learning Objectives from NCOP User Course (A9046 NCOP User)

The candidate must be familiar with basic Information Management concepts for Functional Systems information exchanges.

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

# NATO Common Operational Picture (NCOP) Combined User and COP Manager

Course ID

**A9048**

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Mobile Training Team

Minimum Class Size: 8

Maximum Class Size: 48

Course Length (working days): 5

## Purpose of Course

To provide military and civilian personnel with knowledge and skills to use and manage a COP using the NCOP application. This training is a combination of all modules from (A9046) NCOP COP User, NCOP Advanced User, NCOP Data Contributor and (A9047) NCOP COP Manager. This course is tailored to train a larger group of COP Users (e.g. 40), a group of more skilled Advanced (e.g. 15) and Data Contributors Users (e.g. 10) and a small group of COP Managers (e.g. 6), all of these during one week (preferably at HQ location).

## Learning Objectives

The learning objectives are stated in the Course Descriptions for each type of training (A9046 and A9047)

## Qualification

NCOP COP User  
NCOP COP Advanced User  
NCOP COP Data Contributor User  
NCOP COP Manager

## Student Criteria

The candidate must:

- Be assigned to a NATO or NATO National Headquarters position where the relevant software is or is to be used and applied.
- Meet the stated background knowledge prerequisites.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

All students will undertake practical exercises to demonstrate the ability to apply the skills that were taught.

If the course is delivered with MTT at location, local infrastructure must be prepared by requestor in accordance with NCOP Training environment (dataset available on media).

Typical training audience: 24 users + 10 advanced users + 10 contributors + 4 COP managers = 48 PAX.

This course is a combination of modules from A9046 and A9047.

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

ACO Directive 80-80

## Background

To successfully take part in this course, the candidate must:

- Meet the background prerequisites stated for each individual type of training or as agreed with NCI Agency.
- Have basic computer skills including the use of mouse, keyboard and printer.
- Be familiar with the use of a graphical user interface (GUI) like windows.
- Have Microsoft Windows and the common Microsoft Office applications (Word, PowerPoint, and Excel).

For COP Manager: the candidate must be familiar with basic Information Management concepts for Functional Systems information exchanges.

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

# NATO Common Operational Picture (NCOP) FAS Administrator

Course ID

A9049

Remote Participation available: no

On Demand onsite delivery available: yes

Location: The Hague (NLD)

Minimum Class Size: 6

Maximum Class Size: 10

Course Length (working days): 2

## Purpose of Course

To provide military and civilian personnel with knowledge and skills to perform Functional administration for the NCOP application, and takes the knowledge and skills beyond general COP Management.

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

- Manage NCOP architecture
- Manage roles
- Define Visualisations
- Define Information Products Post-processing
- Creating scripts for visualisation and post-processing
- Synchronisation advanced features
- Manage domain values
- Define advanced Geospatial products

## Qualification

NATO NCOP Functional Administrator

## Student Criteria

The course is designed for:

- COP Managers assigned to a NATO or National HQ, fielded with NCOP.
- Meet the stated background knowledge prerequisites.
- Recommended: some experience working as a COP manager (with NCOP preferably)

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

All students will undertake practical exercises to demonstrate the ability to apply the skills that were taught.

If the course is delivered with MTT at location, local infrastructure must be prepared by requestor in accordance with NCOP Training environment (dataset available on media).

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

ACO Directive 80-80

## Background

To successfully take part in this course, the candidate must:

- Candidates must meet the background prerequisites stated for each individual type of training or as agreed with NCI Agency.
- have attended A9048 NCOP Combined User and COP Manager, or A9047 NCOP COP Manager

## Prerequisite Course

NATO Common Operational Picture (NCOP) Combined User and COP Manager ,NATO Common Operational Picture (NCOP) COP Manager

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

# NATO Common Operational Picture (NCOP) System Administrator

Course ID

A9050

Remote Participation available: no

On Demand onsite delivery available: yes

Location: The Hague (NLD)

Minimum Class Size: 6

Maximum Class Size: 8

Course Length (working days): 5

## Purpose of Course

To provide military and civilian personnel with knowledge and skills to administer an NCOP node, through installation, configuration and troubleshooting of the NCOP application.

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

- Explain NCOP Architecture and its Components.
- Identify Installation pre-requisites.
- Identify Hardware and Software Requirements Required.
- Perform NCOP Installation.
- Identify NCOP Server available Web Services
- Perform troubleshooting on NCOP servers and clients

## Qualification

NATO NCOP System Administrator

## Student Criteria

The course is designed for System administrators assigned to a NATO or National HQ, fielded with NCOP.

- Meet the stated background knowledge prerequisites.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

All students will undertake practical exercises to demonstrate the ability to apply the skills that were taught.

This course requires the usage of the NCOP Deployable Training System (DTS) which will be shipped to the training location prior to training delivery

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

To successfully take part in this course, the candidate must:

- Have a system administration background with a good understanding of distributed systems, web servers, database management systems and TCP/IP networking.
- Have knowledge of Microsoft network environment (AD, DNS, PKI etc.)
- Have knowledge of managing Windows servers in a virtualized environment
- Have knowledge of Windows server and Windows Event Viewer
- Have knowledge of Microsoft SQL Server
- Have basic knowledge of BizTalk Server Administration Console
- Have basic knowledge of SharePoint management and maintenance

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

# NATO Common Operational Picture (NCOP) Combined COP Manager and FAS Administrator

Course ID

A9051

Remote Participation available: no

On Demand onsite delivery available: yes

Location: The Hague (NLD)

Minimum Class Size: 6

Maximum Class Size: 8

Course Length (working days): 4

## Purpose of Course

To provide military and civilian personnel with knowledge and skills to manage a Common Operational Picture, and perform Functional administration for the NCOP application beyond general COP Management. This training covers all modules (exclusive of system administration) available to provide the staff with all skills required to manage NCOP from a functional perspective and to configure all aspects to maintain a Common Operational Picture using NCOP.

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Learning Objectives

The learning objectives are stated in the Course Descriptions for each type of training (A9047 and A9049)

## Qualification

NATO NCOP Functional Administrator

## Student Criteria

The course is designed for:

- COP Managers assigned to a NATO or National HQ, fielded with NCOP.
- Meet the stated background knowledge prerequisites.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

All students will undertake practical exercises to demonstrate the ability to apply the skills that were taught.

If the course is delivered with MTT at location, local infrastructure must be prepared by requestor in accordance with NCOP Training environment (dataset available on media).

This course is a combination of modules from A9047 and A9049.

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

ACO Directive 80-80

## Background

Combination of A9047 and A9049

# NATO Common Operational Picture (NCOP) Train the Trainer Operational User

Course ID

**A9053**

Remote Participation available: no

On Demand onsite delivery available: yes

Location: The Hague (NLD)

Minimum Class Size: 6

Maximum Class Size: 8

Course Length (working days): 5

## Purpose of Course

To provide participants with the knowledge and understanding required to become "NCOP User" and "COP Manager" courses trainers.

## Learning Objectives

Upon successful completion of the course, the qualified student will be able to:

- Explain NCOP COP User and Contributor responsibilities.
- Setup NCOP training environment;
- Explain how NCOP can contribute to Situational Awareness.
- Instruct the main NCOP User functionalities;
- Apply the advanced NCOP features

## Qualification

HQ Trainer for NCOP User Course

## Student Criteria

This course is dedicated to personnel to be assigned as NCOP User trainer of their HQ.

- Meet the stated background knowledge prerequisites.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

All students will undertake practical exercises to demonstrate the ability to apply the skills that were taught.

This course requires the usage of the NCOP Deployable Training System (DTS).

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

ACO Directive 80-80

## Background

To successfully take part in this course, the candidate must:

- Have successfully completed NCOP Course (A9048) and have at least six (6) months experience with the use of the software.

A9048 NATO Common Operational Picture

(NCOP) Combined User and COP Manager

## Prerequisite Course

NATO Common Operational Picture (NCOP) Combined User and COP Manager

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

# Intelligence Functional Service (INTEL-FS) Intelligence Request Management

Course ID

A9061

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Mobile Training Team

Minimum Class Size: 10

Maximum Class Size: 15

Course Length (working days): 0.5

## Purpose of Course

To provide military and civilian personnel at NATO, NATO Nation, all partner Nations and Organisations Headquarters with training of the concepts and functions of IRM in INTEL-FS. The collection department of an intelligence organization validates Requests For Information (RFI-s) before assigning them for answering. The Intelligence Request Management module in INTEL-FS allows for an organized workflow and feedback to the requestor.

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

- Understand and the IRM module
- Manipulate the IRM configuration for use in the organization
- Understand the RFI procedures
- Create IRM Products (ICP, PIR, SIR, EEI, RFI, RFI Reply) for missions and directives set by the chain of command.
- Validate information and results for Analysts.
- Validate/Release IRM Products originating from the Organisational node.
- Assign RFIs to selected Organisations/ Nations.
- Monitor the Intelligence Collection Plan(s) of the Organisational node.
- Query & Search in the Intel-FS database for responses to assigned RFIs.

## Qualification

Intelligence Functional Service (INTEL-FS) Intelligence Request Management Course. The qualification is valid for the stated version of the INTEL-FS software.

## Student Criteria

The candidate must:

- Be assigned to a NATO, NATO Nation, all partner Nations and Organisations Headquarters position where the relevant software is or is to be used and applied.
- Meet the stated background knowledge prerequisites.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

## Special Instructions

All students will undertake practical exercises to demonstrate the ability to apply the skills that were taught.

In case of an on site requested delivery: Prices are based on delivery in a classroom that is equipped by the requesting party with the number of workstations that are required for the maximum number of students as listed in the catalogue for the course. All workstations must be connected in a network that provides access to the systems that are requested for training.

Services to prepare an onsite classroom environment up to level are not included in the standard price, in case requested this will be charged against the cost on top of the prices stated in this catalogue.

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

To successfully take part in this course, the candidate must:

- Have attended the INTEL-FS User Course
- Be able to display and eventually prove theoretical and/or practical skills relating to intelligence analysis
- Have basic computer skills including the use of mouse, keyboard and printer.
- Be familiar with the use of a graphical user interface (GUI) like windows.
- Have Microsoft Windows and the common Microsoft Office applications (Word, PowerPoint and Excel)

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)



# Intelligence Functional Service (INTEL-FS) System Administrator

Course ID

A9064

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Mons (BEL)

Minimum Class Size: 2

Maximum Class Size: 5

Course Length (working days): 3

## Purpose of Course

Provide system administrators the skills and knowledge required to install, configure and troubleshoot the INTEL-FS system.

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Learning Objectives

- Set up INTEL-FS server prerequisites;
- Installation of INTEL-FS;
- Configuration of INTEL-FS ;
- Backup/Restore procedures;
- Troubleshooting;
- Advanced replication techniques.

## Qualification

Intelligence Functional Service (INTEL-FS)  
System Administrator

## Student Criteria

The candidate must:

- Be assigned to a J6 position or similar in a NATO, NATO Nation, or all partner Nations and Organisations Headquarters position where the relevant software is or is to be used and applied.
- Meet the stated background knowledge prerequisites.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO SECRET (NS)

## Pre-Course Study Material

N/A

## Background

Windows Server 2008  
Microsoft SQL Server 2008 or above  
Internet Information Services

## Prerequisite Course

# Functional Areas Services (FAS) Level 1 Support Workshop: Group D, E

Course ID

A9065

Remote Participation available: no

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 6

Maximum Class Size: 10

Course Length (working days): 2

## Purpose of Course

To provide military and civilian NATO CIS Group (NCISG) NSB/DCM Service Desk personnel and FAS Technicians with the knowledge and skills required to be able to deliver Level 1 Support during NATO Response Force (NRF).

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Learning Objectives

On completion of the course, the qualified student will be able to:

Understand the Functionalities, capabilities, Hard- and Software requirements, First Level diagnostics, Common Issues and any additional Technical Information required for the following FAS applications:

- NATO Common Operational Picture (NCOP)
- Integrated Command & Control Functional Area Services (ICC)
- Air Command & Control Information System (AIRC2IS)
- Networked Interoperable Real-time Information Services (NIRIS)
- Joint Targeting System \ Flexible AirC2 Services for Time Sensitive Targeting (JTS\ FAST)
- Planning Tool for Extended Air Defence Functional Area Services (PLATO)
- Land Command and Control Information Services (LC2IS)
- Maritime Command & Control Information System (MCCIS)

## Background

N/A

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Qualification

Certification of Attendance

## Student Criteria

1. Course attendees are NCISG NSB/DCM Service Desk personnel and FAS Technicians.
2. A working knowledge of Microsoft Windows, Office and the Web is assumed.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

All Ranks and Grades, CIV

## Special Instructions

## eFGMT Functional Manager

Course ID

A9067

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Mobile Training Team

Minimum Class Size: 4

Maximum Class Size: 10

Course Length (working days): 2

## Purpose of Course

The purpose of the course is to train military and civilian personnel from Allied Headquarters to use advanced and day to day management functions of the enhanced Force Generation Management Tool (eFGMT) supporting the NATO force generation process. eFGMT is a separate module of the NATO developed -Tools for Operations Planning Functional Area Services- (TOPFAS), in support of the Comprehensive Operations Planning Process.

the eFGMT in an operational environment. The student must: - Have working knowledge of Microsoft Windows and the common Microsoft Office applications (Word, PowerPoint and Excel); - Have working knowledge of NATO Force Generation Process.

## Prerequisite Course

eFGMT Practitioner

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- Prepare and provide the initial items to work with eFGMT (manage missions and CJSORs)
- Import/export force generation products (CJSORs and AFL)
- Maintain templates of eFGMT
- Import and maintain national capabilities data
- Manage user accounts and permissions
- Manage reference data

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Qualification

eFGMT Functional Manager

## Student Criteria

The student must:

- Be force generation personnel that use eFGMT or are in a position for which the utilisation of eFGMT is required.
- Have a eFGMT management responsibility.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

The eFGMT Functional Manager Course is a practical course on the advanced features of

## eFGMT Practitioner

Course ID

A9068

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Mobile Training Team

Minimum Class Size: 6

Maximum Class Size: 12

Course Length (working days): 3

## Purpose of Course

The purpose of the course is to train military and civilian personnel from Allied Headquarters to use the enhanced Force Generation Management Tool (eFGMT) supporting the NATO force generation process. eFGMT is a separate module of the NATO developed -Tools for Operations Planning Functional Area Services- (TOPFAS), in support of the Comprehensive Operations Planning Process.

## Learning Objectives

Upon completion the course, the qualified student will be able to:

- Identify the main elements of the eFGMT application environment
- Develop a CJSOR and requirements and conduct force sensing
- Record (potential) national contributions to requirements (force generation)
- Identify shortfalls for capability hunting
- Perform capability hunting
- Use of the organisation chart and the requirements diary view
- Understand and apply caveats workflow
- Generate reports
- Review and accept updates through FORCEPREP and TOA messages
- Manage offers and change requests
- Forecast future requirement changes and shortfall

## Qualification

eFGMT Practitioner

## Student Criteria

The student must be force generation personnel that use eFGMT or are in a position for which the utilisation of eFGMT is required.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

CIV, All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

The eFGMT Practitioner Course is a practical course on the use of eFGMT in an operational environment. The student must: - Have working knowledge of Microsoft Windows and the common Microsoft Office applications (Word, PowerPoint and Excel); - Have working knowledge of NATO Force Generation Process.

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

# ITSM Overview

Course ID

A9070

Remote Participation available: no

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 10

Maximum Class Size: 15

Course Length (working days): 0.5

## Purpose of Course

To provide military and civilian personnel, responsible for managing teams using the ITSM toolset an overview of the toolset capabilities. In addition it will provide the skills and knowledge to produce real time reports on activities and performance of the teams and processes they are responsible for.

N/A

## Background

The students must have basic computer skills including the use of a mouse and keyboard. The students must be familiar with the use of a graphical user interface (GUI) like windows.

## Learning Objectives

On completion of the course, the qualified student will be able to:

- Navigate to the ITSM Portal and be able to understand what each area covers.
- Understand and be able to set up the Customer User Console home page.
- Understand the high level workflows for Incident, Problem and Change Management.
- Understand the interactions between Operational and Transitional processes
- Understand and be able to navigate around the ITSM Apex reporting module.
- Navigate reports for specific areas of interest and save them in -My ITSM Favourites-
- Access support group overviews to ensure accuracy and currency.

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## Qualification

Certificate of Attendance

## Student Criteria

1. Course attendees are those Staff members who need to work with the ITSM Toolset as a Manager.
2. A working knowledge of Microsoft Windows, Office and the Web is assumed.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

All Ranks and Grades,CIV

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

# ITSM-Operational Processes (Incident and Problem Management)

Course ID

A9071

Remote Participation available: no

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 10

Maximum Class Size: 15

Course Length (working days): 1

## Purpose of Course

To provide military and civilian personnel, who are involved in 1/2/3 Line level support to the operational processes Incident and Problem Management, the knowledge and skills required to be able to carry out his/her duties properly.

## Learning Objectives

On completion of the course, the qualified student will be able to:

### Incident Management

- Identify & understand all the Incident Tabs and data fields within them
- Understand the ITSM workflow phases
- Identification & Recording, Investigation & Diagnosis, Resolution and Recovery, Fixed & Closed
- Understand the different request types
- Understand the categorization tiers
- Understand the operational impact
- Understand the urgency & impact of an incident.
- Understand how to search the knowledge base.
- Understand how to use the knowledge base
- Understand the interfaces into other ITSM Modules (Change & Problem Management)

### Problem Management

- Identify & understand all the Incident Tabs and data fields within them
- Understand the ITSM workflow phases and all options within them.
- Identification & Recording, Investigation & Diagnosis, Resolution and Recovery & Closed
- Understand the categorization tiers
- Understand how to relate an incident to a problem
- Understand how to create a knowledge entry (Selected roles)
- Understand the interfaces into other ITSM Modules (Change and Knowledge Management)

## Qualification

Incident and Problem Management staff member

## Student Criteria

1. Course attendees are those Staff members who need to work with the ITSM Toolset as a support technician at 1/2/3rd Line levels.
2. A working knowledge of Microsoft Windows,

Office and the Web is assumed.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

All Ranks and Grades,CIV

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

Incident Management PDED 06.04.01 Problem Management PDED 06.04.03

## Background

The students must have basic computer skills including the use of a mouse and keyboard. The students must be familiar with the use of a graphical user interface (GUI) like windows.

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

# ITSM-Transitional Processes (Request Fulfilment and Change Management)

Course ID

A9072

Remote Participation available: no

On Demand onsite delivery available: no

Location: Mons (BEL)

Minimum Class Size: 10

Maximum Class Size: 15

Course Length (working days): 1

## Purpose of Course

To provide military and civilian personnel, who are involved in support to the Service Management Transitional Processes Change Management, with the knowledge and skills required to be able to perform his/her duties properly.

## Learning Objectives

On completion of the course, the qualified student will be able to:

### Change Management

- Understand to Change Management Process
- Identify & understand all the Change Tabs and data fields within them
- Understand the ITSM workflow phases and all options within them.
- Initiate, Review & Authorize, Plan & Schedule, Implement and Closed.
- Understand the categorization tiers
- Understand the authorization process
- Understand the interfaces into other ITSM Modules (Change and Knowledge Management)

## Qualification

Request Fulfilment and Change Management staff member

## Student Criteria

1. Course attendees are those Staff members who need to work with the ITSM Toolset as a support technician or Change co-ordinator.
2. A working knowledge of Microsoft Windows, Office and the Web is assumed.

## Language Proficiency

In accordance with STANAG 6001: English SLP 3232

## Rank/Grade

All Ranks and Grades, CIV

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

AD 06.02.01 Release Management AD 06.03.01 Deployment Management AD 06.03.02 Service Change Management Through Lifecycle AD

## 06.03.04 Test & Verification & Validation

### Background

The students must have basic computer skills including the use of a mouse and keyboard. The students must be familiar with the use of a graphical user interface (GUI) like windows.

### Prerequisite Course

N/A

### Value Notes

CAT D: Pricing applied to seats and MTTs (if available)

## JTS/FAST Combined User Course

Course ID

A9073

Remote Participation available: no

On Demand onsite delivery available: yes

Location: Oeiras (PRT)

Minimum Class Size: 8

Maximum Class Size: 12

Course Length (working days): 5

## Purpose of Course

To provide instruction on the use of the JTS tool in support of the Joint Targeting Process including JFX, Joint Effects-Based Targeting, target development, HVI development, target list management, target folder preparation, target imagery management and combat assessment. To provide instruction on the Individual use of the FAST application in support of the Dynamic Targeting and Time Sensitive Targeting (TST) processes.

## Learning Objectives

Upon completion of the course, the qualified student will be able to:

- Explain what Deliberate targets are and how they are processed within the Joint Targeting Cycle
- Demonstrate using the JTS Map
- Demonstrate creation of a Campaign Phase and associated its- objectives
- Demonstrate creation of Targets, HVIs, Target folders and Target lists.
- Demonstrate the ability to manage DPI and Weaponneering
- Demonstrate the use of Combat Assessment within JTS.
- Demonstrate the ability to manage media within JTS.
- Explain what Time sensitive targets are and where the process occurs within the Joint Targeting Cycle
- Demonstrate using the TST Matrix, FAST Map, CGRS, kill-box management, Search, Target and Mission Editor
- Participate in a TST exercise with an assigned role and assign or complete role assigned tasks using the Coordination Tasking editor
- Demonstrate the use of the Collaborative Chat capability within FAST.

## Qualification

Certificate of attendance JTS user and FAST user

## Student Criteria

The candidate must:

- Be assigned to a NATO, NATO Nation, all partner Nations and Organisations Headquarters position where the relevant software is or is to be used and applied.
- Meet the stated background knowledge prerequisites. By default staff working in J2/3/5 cell in general or specific as targeteer.

## Language Proficiency

In accordance with STANAG 6001: English SLP

3232

## Rank/Grade

All Ranks and Grades

## Special Instructions

N/A

## Security Clearance

NATO UNCLASSIFIED (NU)

## Pre-Course Study Material

N/A

## Background

The JTS /FAST Combine User Course is NOT a targeting theory course.

It is strongly recommended that students should have attended a NATO Targeting Course at a NATO or National facility prior to attending.

To successfully take part in this course, the candidate must have working knowledge of:

- Basic computer skills including the use of mouse, keyboard and printer.
- The use of a graphical user interface (GUI) like windows.
- Microsoft Windows and the common Microsoft Office applications (Word, PowerPoint).

## Prerequisite Course

N/A

## Value Notes

CAT D: Pricing applied to seats and MTTs (if available)





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