NCI Academy

C4ISR & Cyber Training Catalogue - 2021

Version 5.0

For more information on courses offered please visit:
www.ncia.nato.int/training

NATO OTAN

NCI AGENCY | NATO Communications and Information Academy

Save the date

5TH NCI AGENCY E&T

Education & Training CONFERENCE

13-14 October 2020

NCI ACADEMY

OEIRAS | PORTUGAL

LOCATION: TBC DUE TO THE CURRENT COVID-19 SITUATION

For more information

www.ncia.nato.int/training

NATO OTAN

NCI AGENCY | NATO Communications and Information Academy

Contents

Description	Page
Summary of changes	4
Foreword by the NCI Academy	5
About the NCI Academy	6
How to do business with the NCI Academy	7
Catalogue version control	8
Prioritization	8
Education and Training Conference	8
Contact	9
Annex 1: Definitions	10
Annex 2: NCI Academy Catalogue 2021 changes	11
Annex 2.1: Retired courses	13
Annex 2.2: Pipeline courses	15
Annex 3: Planning and bidding process	16
Annex 4: 2021 Preliminary course prices	17
Annex 4.1: Course prices per seat	18
Annex 4.2: Course prices per MTT	26
Annex 5: Training knowledge organization	30
Annex 6: Course path diagrams introduction	36
Annex 6.x Course diagrams	37
Index by course ID	58
Index by discipline	64
Courses	70

Summary of changes

Version	Description
V1 released	Initial version
V2 2019 catalogue	
V3 2019 catalogue	Released Oct 2018
V4.1 2020 catalogue	Released Nov 2019
V5.0 2021 catalogue	Released June 2020

Foreword by the NCI Academy

Dear Customer and Academy Stakeholder

As the world around us continues to evolve, we strive to stay abreast of developing security challenges, to stay ahead of the game. Training and education is a critical method our Alliance has at its disposal to keep up with these challenges. The "Smart Training" the NCI Agency commits to requires a new approach, an evolution from the static hands-on classroom-training environment, to one that is more flexible, agile and adaptive.

We are therefore truly honoured to walk you through the NCI Agency Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance (C4ISR) and Cyber Training Catalogue for 2021. This revised version reveals more than 200 course offerings of the NCI Agency, including courses organized 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 onward most courses will be delivered by default in Portugal.

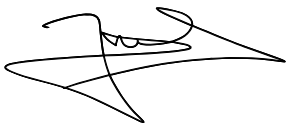
This comprehensive catalogue covers in the entire spectrum of NATO-Specific C4ISR and Cyber training, including user, administrator and technical training, as well as managerially focussed courses for military and civilian staff working in more general Communications and Information Systems (CIS) posts. The Catalogue also explains the procedure for seat allocation, the pricing policy and prices for many of the courses. It includes for the first time course relationship diagrams that will show the students which paths to take towards certain qualifications and competence levels.

As you might expect from an agile and responsive organisation the Catalogue is a living document. It will be dynamically adjusted to your needs and as the Agency accommodates the delivery of new systems, discontinues courses for systems being phased out, or as versions and changing customer requirements evolve.

We look forward to continue providing the best possible NATO C4ISR & Cyber Training to NATO and the Nations.

Sincerely,

Dr Garry Hargreaves
NCI Academy Dean



Jean-Paul Massart
NCI Academy Business Manager

BGen Luis Camelo
NCI Academy Director

About the NCI Academy

Supporting NATO's digital endeavour: The NATO Communications and Information (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 the 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 EUR worth of NATO technology investments in support of political and military decision-makers. Its wide-ranging IT Modernization (ITM) 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.

The formation of the NCI Academy in September 2019 provides NATO with a worldclass training capability to maintain its technological advantage. The **NCI Academy** is accountable for the provision of Education and Training (E&T) services to NATO and the Nations. The NCI Academy provides individual and collective training on NATO Communications and Information systems (C&I), including Air Command and Control (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 around 100 dedicated professionals in Agency locations in the Netherlands, Belgium, Norway and Portugal.

The newly-formed NCI Academy organization started training operations at its new flagship training location in the new Agency campus in Oeiras, Portugal on 2 September 2019.

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.

How to do Business with the NCI Academy

Following direction by the Nations through the NATO Resource Policy and Planning Board (RPPB), the NCI Academy is required to be fully customer funded from 2021 onwards. While requirements planning remains the crucial factor of future education and individual training funding and delivery, the process needs to be supported by a more flexible and responsive instrument in the delivery phase to enable fulfilment in accordance with priorities that may change in the course of year.

To this end, the NCI Academy has developed the Service Support Training (SST) Package. The aim of the SST is to provide required funding and delivery flexibility for both the customer and provider and to streamline the delivery management between the customer and provider at the lowest eligible decision-making level (usually the national/organisational Training Coordinator and the NCI Academy Business Planning Team). The SST Package is a type of agreement that is both cost reimbursable and easily amendable and compliant with the regular Customer Request Form and Price Proposal process used by the NCI Agency. The SST Package covers the yearly training requirements as envisioned at initiation, but allows for in-year changes by mutual agreement in types and quantity of courses within the financial scope of the SST Package. Corresponding invoices are sent quarterly for the actual usage of the training, based on standard catalogue course prices. Actual delivery of the courses is dependent on having sufficient students for each specific course and on availability of resources. Dates of courses are not part of the SST Package; these are scheduled through the on-line LMS for course seats and through task orders for local course iterations (Mobile Training Teams). Deviations from course types and numbers of seats/local iterations within the budget and timeline of the SST Package may be made by mutual agreement without amending the SST Package.

Each SST Package stipulates the requirement for the customer to provide a single Training Coordinator with authority to commit students to training and act as the general focal point for that customer. Once an SST Package is signed, further coordination of the training requests and communication on NCI Agency courses takes place with the local Training Coordinators. Customers are requested to notify the NCI Academy at training@ncia.nato.int if there is any change to the names and e-mail addresses of their training coordinators.

The NCI Academy follows an annual cycle, starting in the second quarter of the year prior to the year of training delivery, where a letter will be sent along with a preliminary pricing sheet inviting customers to develop their training requirements for the following year. This is known as the 'bidding letter' and this early engagement allows customers to make their budget submissions with reasonably accurate pricing information. In the following months, the customers refine their requirements while the NCI Academy refines its course offering and prices for the following year, culminating the formalisation of the process through the submission of a NCI Agency Customer Request Form and the subsequent development of the SST Package. It is expected that all SST Packages will be signed in the fourth quarter, ready to commence training in January of the following year. Further details on the Annual Training Request Process can be found at Annex 3.

Training will be provided at one of the NCI Academy training facilities, by remote learning or locally on-site at the requesting unit by a Mobile Training Team. 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).

Catalogue version control

The NCI Academy C4ISR and Cyber Catalogue is under constant review and customers are advised to check regularly with the most recent and up-to-date version, which is published at www.ncia.nato.int/training.

In addition, as part of the annual cycle, in the second quarter, the NCI Academy conducts a comprehensive review of the catalogue for the following year including courses to be retired and new courses in the pipeline.

Prioritization

The NCI Academy will prioritize training provision in accordance with the following list:

- Priority 1: Students directly supporting NATO operations.
- Priority 2: Students directly supporting NATO exercises and NATO Response Force (NRF) rotation cycle.
- Priority 3: Students to cover the required skills for a position within NATO headquarters/entities (as identified in the job description).
- Priority 4: Students in support of NATO staff's professional development/National staff requirements.
- Priority 5: All other students.

Education and Training Conference

The NCI Academy holds an annual Education and Training Conference, which is an important part of the planning cycle. The conference is a forum that brings together the training community in NATO, Nations and the NATO Force Structure with NCI Agency training providers in the areas of CIS, C4ISR and cyber. The conference will address individual training evolution and trends, policy and guidance updates, collective training support tools and act as a networking event between the Training Coordinators and the NCI Academy. The fifth NCI Agency Education and Training Conference is scheduled for 13-14 October 2020 at the NCI Academy site in Oeiras, Portugal. Further information (including any impact of COVID-19 on conference conduct) will be shared via www.ncia.nato.int/training.

Please visit the webpage for conference documents and presentations of the fourth E&T Conference.

Contact

Customer focus

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

Email : training@ncia.nato.int

Web : www.ncia.nato.int/training

Tel : +32 6533 1360 (NCI Academy Business Team in Mons, Belgium).

Student focus

All questions and requests related to students arrangements, joining instructions and course participation can be addressed to:

Email : trainingadministration@ncia.nato.int

Tel : +351 21 440 4444 (NCI Academy Training Coordination Team in Oeiras, Portugal)

Management focus

All generic questions and enquiries about the NCI Academy can be addressed to:

Email : academy@ncia.nato.int

Web : www.ncia.nato.int/academy

Annex 1: Definitions

Definitions

Agreement Management Cost: The Agreement Management Cost is charged annually to the customer (included in the first quarterly invoice) to cover the collection and management of training requests, development, staffing and management of the service support training package and quarterly reporting and invoicing.

Cost Reimbursable: Only courses and local course iterations that have actually been delivered will be invoiced, with the exception of courses/local course iterations that were cancelled by the customer after the turn-back date (six weeks prior the start date) for the course.

Customer Request Form (CRF): Customer request for new services or products, outside the scope of an existing agreement. There is a mutual agreement clause and so new CRF is required only if the total budget ceiling needs to be amended.

Learning Management System (LMS): An online system accessed by both customer and the NCI Academy to gather and manage training requirements. The current NCI Agency LMS is the STUdent DAtaBAse (STUDABA) (when the system is available).

Mobile Training Team (MTT): A complete iteration of a course provided at the local customer site. Priced separately from the per-seat price and includes the additional expenses associated with local training at the customer's site (preparation, delivery, travel, per diem, etc.). Any other requirement above such as suitable environment (computer-based training room, availability of the system etc.) must be provided by the customer or specified in CRF. In addition, if training mobile kit / laptops are to be shipped, it will also be subject to the additional costs and the like. Different prices are applied for sites in European NATO Nations and sites outside European NATO Nations (covering different levels of travel expenses).

Price Proposal (PP): Provider response to a CRF, detailing the offer, serice support training package, and including formal pricing information. Includes an acceptance form to be signed by the customer and returned to the NCI Academy.

Service Level Agreement (SLA)/Service Support Package (SSP): Annual, firm, fixed-price agreement signed by customer and provider to capture service requirements, terms and conditions, and related reporting. SLAs for the NATO Command Structure and SSPs for the Nations and the NATO Force Structure.

Service Support Training (SST) package: Annual or multi-year (multi-year SSTs to be agreed on a case-by-case basis), amendable, cost reimbursable agreement to capture user-training requirements, terms and conditions, and any other information requested by the customer through CRF or deemed relevant by the provider. Submitted as an annex to the PP responding to a CRF. Returned to the provider along with the signed acceptance of the price proposal.

STUDABA: See LMS.

Training Coordinator: Customer is required to provide a training point of contact who has the mandate to commit students and local course iterations within the financial scope of the SST package on behalf of the organization.

Annex 2: NCI Academy Catalogue 2021 changes

Introduction

In 2013, the NATO Resource Policy and Planning Board (RPPB) decided that the C4ISR and cyber training provided by the NCI Academy would be fully customer-funded and this decision will be implemented in 2021. Consequently, the spare seats on the Allied Command Operations Centralized Service Level Agreement (ACO CSLA) courses, which had previously been utilized by NATO Nations and the NATO Force Structure (NFS) at no cost, will have to be paid for.

Changes:

- Wider use of the SST package;
- Terminology – an SST package is simply a Price Proposal (PP) triggered by CRF;
- Relationship – a signed SST package creates a direct link between the customers' training coordinators and the NCI Academy;
- Flexibility – while the customer is still required to validate the initial requirements and budget, the courses listed in the SST package can be changed in-year by mutual agreement, and the overall cost of the SST package can be increased or decreased according to customer request. This not only enables the customer to change training courses and the number of attendees, but also to more easily shift from commercial to NCI Agency-provided training and vice versa.
- Change process – for any in-year increase to the overall cost of the SST package, a contractual amendment is required, and an additional 3,000 EUR of Agreement Management Cost will be charged on the next invoice.
- Newsletter - A newsletter which summarizes key news and announcements of the NCI Academy, will be sent on a frequent basis to all training coordinators. This newsletter is intended to inform all training coordinators of our NCI Academy customers.

Not changing:

- Annual basis – SSTs will be annual agreements signed by both parties;
- Training cost – non-CSLA courses will continue to have a standardized cost associated with them, as per the catalogue;
- CRFs – customer will continue to submit CRFs to formally request user training services, and to request in-year increases to scope of SSTs;
- Training Coordinator – customer is required to provide a single Training Coordinator who has the mandate to commit seats and local course iterations (MTTs) within the financial scope of the SST package on behalf of the organization;
- Prerequisites – students are expected to meet the prerequisites for the courses attended as specified in the NCI Agency catalogue, including security clearance and language proficiency. The NCI Agency can request proof of meeting the prerequisites. In case the prerequisites are not met, the NCI Agency has the right to deny or discontinue the provision of the course without reimbursement.
- Most courses have fixed prices as listed in Annex 4.
- All courses (those at Agency sites and MTTs) will undergo a viability check prior to the course finally being confirmed. There are many factors involved in the viability check, most notably the attendance must reach the minimum number of students as detailed in the course description.
- Course commitments and cancellations – the customer can cancel students' participation on the Learning Management System before the course 'turn back date' without being charged. Unless specified otherwise, the 'turn back date' is six weeks prior to the start of the course. After the 'turn back date', the customer will be allowed to transfer the seat to another student within its organization, provided the new student also meets the prerequisites for

the course. In the event that the seat cannot duly be transferred, full course participation will still be charged to the customer.

- Reporting – the NCI Academy will provide a quarterly report on training delivered, with metrics, along with the quarterly invoice. The quarterly report contain the following elements: Delivered Seats, Course ID/Title, Iteration ID, Dates, Location, Evaluation, Cost, No-shows and Late turned-back information.

Course numbering explanation[1]

- 0xxx ID series – Cyber, Communications, IT infrastructure and some Functional Applications System (FAS) training
- 1xxx ID series – Air and Missile Defence Command and Control (AMDC2) training
- 2xxx ID series – Command and Control (C2) and Microsoft Office training
- 3xxx ID series – Commercial (outsourced) CIS & cyber-related training
- 4xxx ID series – Voluntary National Contribution (CIS training)
- 5xxx ID series – Military Training and Exercise Programme (MTEP) support training
- 9xxx ID series – Functional Applications System (FAS) training

1 Catalogue and lists are sorted by course number.

Annex 2.1: Retired courses

Courses with status "Retired" have been deleted from the 2021 catalogue. In many cases, this is due to obsolescence or very low number of requests. Other courses have been removed as they were duplications or have been combined into other courses. Please contact the Academy in case you have an urgent requirement for any of these courses.

Course ID / Name	Status
A0022 Deployable Optical Fibre Cable for ANDSF	Retired
A0029 TACSAT Combined Basic/TADM	Retired
A0103 NATO C4ISR Orientation for NCOs	Retired
A0130 NATO C4ISR Orientation for Partner Officers	Retired
A0181 Spectrum Management for NATO and Partners	Retired
A0221 Allied Commands Resource Optimisation Software System (ACROSS) Operator	Retired
A0237 Interconnecting Cisco Networking Devices (ICND 1 & 2)	Retired
A0304 ORACLE Junior Database Administrator	Retired
A0305 ORACLE Database Administrator	Retired
A0452 LC2IS Train the Trainer End User	Retired
A0610 X-Band (128)	Retired
A0710 NCOP User	Retired
A0711 NCOP Advanced User	Retired
A0712 NCOP Data Contributor User	Retired
A0840 NRF DCIS Deployment	Retired
A0850 IMCD Operator	Retired
A0859 NRF Major PoP Technology Uplift	Retired
A0870 Afloat Command Platform (ACP)	Retired
A0917 MiniPoP Familiarisation	Retired
A0920 DCIS Service Management & Control Foundation	Retired
A0921 DCIS Service Management & Control Administration	Retired
A0922 DCIS Service Management & Control Engineering	Retired
A0930 CES Collaboration Services Engineering	Retired
A0962 NATO Deployable IS Administrator for PfP	Retired
A0980 Logistic Functional Area Services (LOGFAS) Exercise support	Retired
A2526 SHAPE CIS Introduction	Retired
A3012 ITIL Intermediate: Planning, Protection and Optimisation (PPO)	Retired
A3013 ITIL Managing Across the Lifecycle Qualification (MALC) Qualification	Retired
A3016 SharePoint 2010 Technologies Introduction	Retired
A3017 SharePoint Designer 2010: Building Applications & Workflows	Retired
A3018 Administering SharePoint Server 2010	Retired
A3026 Digital Forensics Training: Tools and Techniques	Retired
A3031 Core Solutions of Microsoft SharePoint Server 2013	Retired
A3032 Core Solutions of Microsoft Exchange Server 2013	Retired
A3033 Achieving ITIL Practitioner Certification	Retired
A3037 Agile Programme Management Foundation	Retired
A3040 Configuring Advanced Windows Server 2012 Services	Retired
A3047 Penetration Testing Training: Tools and Techniques	Retired
A3049 Endpoint Security and Network Access Control	Retired
A3050 Advanced Persistent Threats: Targeted Attacks & Defences	Retired
A3051 CompTIA A+ Certification Exam Preparation	Retired

Course ID / Name	Status
A3052 CompTIA Security+ Certification Exam Preparation	Retired
A3056 Implementing Cisco Network Security	Retired
A3057 Implementing Cisco IP Routing v2.0	Retired
A3058 Implementing Cisco IP Switched Networks v2.0	Retired
A3059 Troubleshooting and Maintaining Cisco IP Networks v2.0	Retired
A3060 CCNA Bootcamp	Retired
A3061 Crystal Reports	Retired
A3062 Advanced Solutions of Microsoft SharePoint 2013	Retired
A3063 Developing SharePoint Server 2013 Core Solutions	Retired
A3066 Querying Microsoft SQL Server 2014	Retired
A3068 Implementing a Data Warehouse with Microsoft SQL Server 2014	Retired
A3069 Developing Microsoft SQL Server 2014 Databases	Retired
A3070 Designing Solutions for Microsoft SQL Server 2014	Retired
A3071 Implementing Data Models and Reports with Microsoft SQL Server 2014	Retired
A3072 Designing Business Intelligence Solutions with Microsoft SQL Server 2014	Retired
A3073 PMI-Agile Certified Practitioner (PMI-ACP) Exam Prep	Retired
A3074 Interconnecting Cisco Network Devices Part 1	Retired
A3075 Interconnecting Cisco Network Devices Part 2	Retired
A3083 Emotional Intelligence: Achieving Leadership Success	Retired
A3086 Certified Asset Management Professional (CAMP)	Retired
A3089 Certified Cloud Security Professional Training and Certification Exam Preparation	Retired
A3091 International Requirements Engineering Board Foundation Level (IREB)	Retired
A3093 Certified Hardware Asset Management Professional (CHAMP)	Retired
A3100 Leading and Managing Virtual Teams	Retired
A3101 Introduction to IDEA Data Analysis	Retired
A3102 Intermediate Use of IDEA Data Analysis	Retired
A3104 Certified Information Security Manager (CISM) Exam Preparation	Retired
A3105 Advanced meeting techniques & negotiation skills	Retired
A3110 Firewall Essentials: Configuration and Management	Retired
A3120 Firewall 7.1: Configure Extended Features	Retired
A9002 JChat Client Administrator	Retired
A9003 JChat FAS Manager	Retired
A9004 JChat Openfire Server Administrator	Retired
A9012 JChat Combined M-LINK Server and Client Administrator	Retired

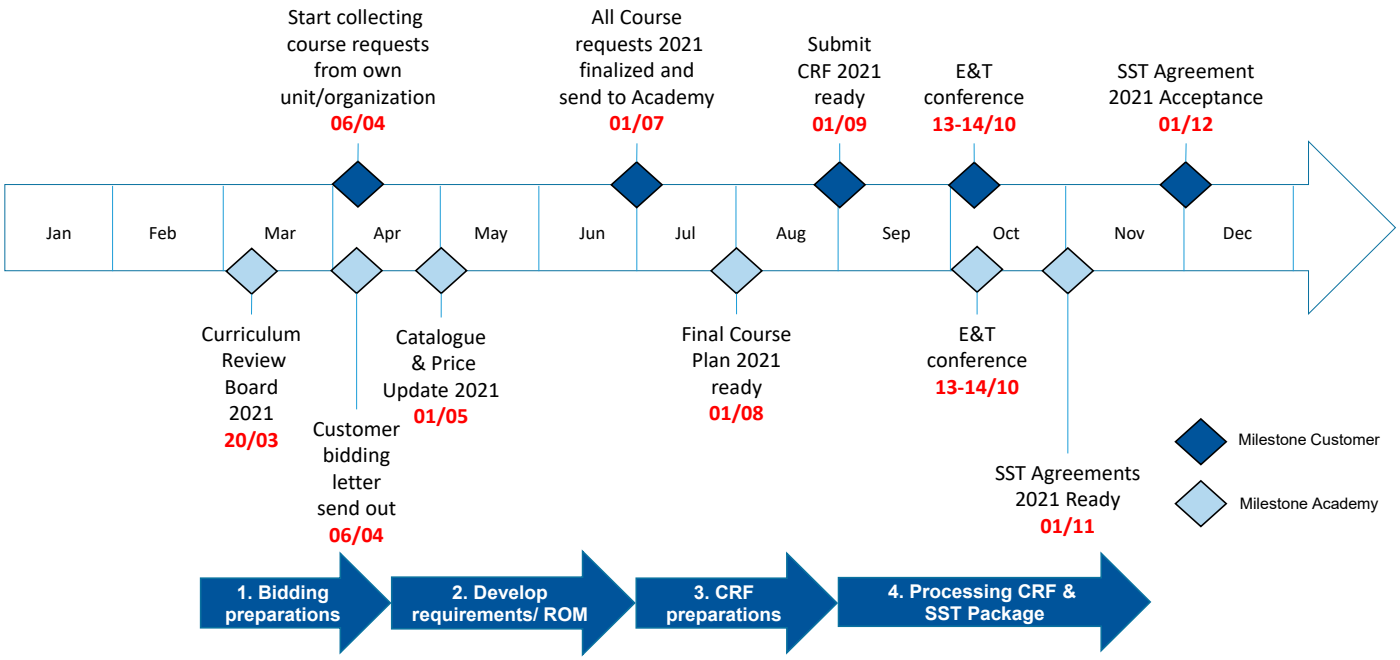
Annex 2.2: Pipeline Courses

Courses with status "Pipeline" are planned to be (re)developed and added to the catalogue once ready for delivery. Please contact the Academy in case you have an urgent requirement for any of these courses.

Course ID / Name	Status
A0311 NATO Data Centre Virtualization	Pipeline
A0730 NATO Cyber Defence Advisor	Pipeline
A0731 Cyber Defence NATO COMPUSEC Level 1	Pipeline
A0732 Cyber Defence NATO COMPUSEC Level 2	Pipeline
A0735 Cyber Defence Operations & Planning	Pipeline
A0750 Information Security Management	Pipeline
A0752 Software and Applications Security	Pipeline
A0753 Digital Forensics	Pipeline
A0754 Social Engineering	Pipeline
A0755 Digital Crime and Investigation	Pipeline
A0756 Cyberspace and Cyber Operations Legal Framework	Pipeline
A0757 Penetration Testing and Ethical Hacking	Pipeline
A0760 Cybersecurity and Cyberdefense capability Development	Pipeline
A0761 Cyberspace Crisis Management Exercises and Scenarios Development	Pipeline
A0762 Risk and Incident Management	Pipeline
A0763 Information Warfare	Pipeline
A0960 DCIS IS Engineering	Pipeline
A0969 Federated Mission Network Planning	Pipeline
A0972 NATO Deployable IS Service Helpdesk	Pipeline
A1017 SSSB Operator	Pipeline
A1018 SSSB Technicians Administrator	Pipeline
A1019 SSSB Train the Trainers	Pipeline
A1020 Link 11	Pipeline
A1021 Link 22	Pipeline
A1023 Open System Communication Control Administrator	Pipeline
A1024 SSSB Scripting Course (Basic and Advanced)	Pipeline
A1025 Situational Awareness with AirC2IS	Pipeline
A1026 Portal and Data Management of AirC2IS	Pipeline
A1027 BMD Planning with AirC2IS	Pipeline
A9001 JChat User	Pipeline
A9040 iGeoSIT Geospatial Server Management	Pipeline
A9042 Combined Situational Awareness Functional Area Services for CTE/exercise	Pipeline
A9047 NATO Common Operational Picture (NCOP) COP	Pipeline
A9048 NATO Common Operational Picture (NCOP) Combined User and COP	Pipeline
A9049 NATO Common Operational Picture (NCOP) FAS Administrator	Pipeline
A9050 NATO Common Operational Picture (NCOP) System Administrator	Pipeline
A9051 NATO Common Operational Picture (NCOP) Combined COP Manager and FAS Administrator	Pipeline
A9053 NATO Common Operational Picture (NCOP) Train the Trainer Operational User	Pipeline

Annex 3: Planning and bidding process

Planning calendar 2020 (prep for 2021)



1. Bidding preparations

During this period the NCI Academy will revise the catalogue, the preliminary course prices will be determined and the catalogue will be reviewed. This period ends with the sending of the bidding letter.

2. Develop requirements / Rough Order of Magnitude (ROM)

With the bidding letter all customers will receive a spreadsheet on which they can indicate which and how many courses the customer wants to follow in the following year and in which quarter. The customer can see the Rough Order of Magnitude (ROM) costs of the following year directly in the spreadsheet. This skips the step of "accepting the ROM" in the previous process. This period ends with the submission of your annual request spreadsheet.

3. Customer Request Form (CRF) / Course plan preparation

During this period, the NCI Academy will prepare a final course plan based on customer's annual course requests. Customers can get started with submitting the Customer Request Form (CRF) just like in the previous process.

4. Processing CRF / Service Support Training (SST)

This final period before the delivery of the courses consists of handling the CRFs and drafting the Service Support Training (SST) package. The annual E&T conference also takes place during this period.

Annex 4: 2021 Preliminary course prices

This Annex provides the preliminary prices for the 2021 courses delivered by the NCI Academy. Course prices are for single student participation in courses provided at an Agency location and for entire course iterations delivered by a Mobile Training Team (MTT). The latter prices apply to locations in European NATO Nations. For delivery at sites in North America, a surcharge applies.

As a policy, the NCI Academy only delivers courses with duration of three days or longer as MTTs. Courses with shorter duration may be combined into MTTs, tailored pricing for these will be provided upon request.

A significant difference with the previous years' list of course prices is that, form 2021 onwards, all courses will be charged to the customer. This arrangement now includes all courses in the A0xxx range (former NCISS courses).

Course prices cover the delivery of the courses, including time for instructor and technical/educational support, management and quality control of the course, student support, training materials and travel/per diem if applicable. For courses at Agency locations, delivery is covered by mix of civilian and military staff. MTTs are generally delivered by civilian staff as military staff is often limited in the travel allowed by their Nations.

It is important to note that, at the release of the current version of the catalogue, there are decisions still to be taken, which may have an impact on the 2021 course prices. The NCI Agency is in the process of rebidding its commercial training contract and this may have an impact, particularly in the A3xxx-series courses. In addition, course prices are pending approval of the NATO budgets by the Nations in the Budget Committee, in particular a decision on separate funding for availability and maintenance of NATO-required courses. Final decisions could have a significant impact on course prices across the entire catalogue. In particular, the prices of the A0xxx course range may triple in case the Budget Committee decides that availability and maintenance is not funded separately but included in the course price. The attached course prices should therefore be seen as indicative for budgeting purposes. We will continue to provide updates as information becomes available. Please make sure always to use the latest price list available at www.ncia.nato.int/training. At this link, the course price sheet is available as an MS Excel workbook which can be used to indicate which courses will be requested. The workbook also calculates the Rough Order of Magnitude (ROM) costs for the requested courses.

Annex 4.1: Course prices per seat

Course ID	Name	Delivery location	Duration (days)	Student price
A0004	Crypto Administration	Oeiras (PRT)	5	€1,190
A0006	CARDS for NATO Crypto Custodian	Oeiras (PRT)	5	€1,190
A0023	Deployable Optical Fibre Cable	Oeiras (PRT)	10	€4,610
A0024	Long Range DLOS Operator/Technician	Oeiras (PRT)	5	€2,650
A0025	Short Range DLOS Operator/Technician	Oeiras (PRT)	10	€4,600
A0032	NATO SGS/SGT SAC Operator Maintainer	Oeiras (PRT)	15	€5,540
A0037	UHF TACSAT Basic	Oeiras (PRT)	5	€1,840
A0038	UHF TACSAT Applications & Data Base Manager	Oeiras (PRT)	5	€1,840
A0040	NATO X-Band DSGT Operator Level 1	Oeiras (PRT)	10	€3,450
A0041	NATO X-Band DSGT Operator Level 2	Oeiras (PRT)	5	€2,650
A0042	BBSST Operator	Oeiras (PRT)	5	€2,650
A0043	NATO X-Band TSGT G3 Operator Level 1	Oeiras (PRT)	10	€4,600
A0045	NATO Ku-Band VSAT Operator	Oeiras (PRT)	5	€2,650
A0048	NNCCRS SSO/ADMIN	Oeiras (PRT)	5	€3,000
A0050	HF Operator	Oeiras (PRT)	10	€2,590
A0052	NATO X-Band TSGT G3 Operator Level 2	Oeiras (PRT)	5	€2,650
A0067	NATO COMSEC System Engineering	Oeiras (PRT)	10	€3,450
A0095	NATO Voice over IP Foundation	Oeiras (PRT)	10	€2,720
A0097	NATO Call Manager & Voice over Secure IP (VoSIP)	Oeiras (PRT)	10	€4,530
A0101	NATO C4ISR Orientation for Officers and NCO's	Oeiras (PRT)	5	€420
A0104	NATO CIS Planning	Oeiras (PRT)	5	€520
A0160	Allied Information Flow System (AIFS) Administrator	Oeiras (PRT)	10	€3,450
A0161	Allied Information Flow System (AIFS) Operator/Shift Supervisor	Oeiras (PRT)	5	€1,990
A0180	Radio Frequency Spectrum Management and Tools for NATO Operations and Exercises	Oeiras (PRT)	10	€1,200
A0182	Spectrum Management for NATO	Oeiras (PRT)	5	€650
A0188	Spectrum Management Basics (SMB)	Oeiras (PRT)	10	€1,800
A0191	Spectrum Management Intermediate (SMI)	Oeiras (PRT)	10	€1,800
A0192	Spectrum Management Advanced (SMA)	Oeiras (PRT)	10	€1,800
A0193	Spectrum XXI Basics (SXXIB)	Oeiras (PRT)	10	€1,800
A0194	Spectrum XXI Intermediate (SXXII)	Oeiras (PRT)	10	€1,800
A0195	Spectrum XXI Advanced (SXXIA)	Oeiras (PRT)	10	€1,800
A0196	Spectrum Analyser Basics (SAB)	Oeiras (PRT)	10	€1,800
A0197	Spectrum Analyser Intermediate (SAI)	Oeiras (PRT)	10	€1,800
A0198	Spectrum Analyser Advanced (SAA)	Oeiras (PRT)	10	€1,800
A0220	Allied Deployment and Movements System (ADAMS) Staff Officer	Oeiras (PRT)	5	€1,190
A0222	Coalition Reception, Staging and Onward Movement (CORSOM) Operator	Oeiras (PRT)	5	€1,190
A0223	Effective Visible Execution (EVE) Operator	Oeiras (PRT)	5	€1,190
A0224	Allied Deployment and Movements System (ADAMS) Basic Operator	Oeiras (PRT)	10	€2,070

Course ID	Name	Delivery location	Duration (days)	Student price
A0225	Allied Deployment and Movements System (ADAMS) Advanced Operator	Oeiras (PRT)	5	€1,190
A0226	Logistics Reporting (LOGREP) Operator	Oeiras (PRT)	5	€1,190
A0227	Logistics Reporting (LOGREP) Train the Trainer	Oeiras (PRT)	5	€1,190
A0236	NATO Networking Infrastructure (CCNA R&S)	Oeiras (PRT)	25	€4,870
A0244	NATO HD VTC Facilitator	Oeiras (PRT)	5	€1,990
A0245	NATO VTC Control Centre Operator	Oeiras (PRT)	10	€3,450
A0251	Logistic Functional Areas Services (LOGFAS) Staff Officer	Oeiras (PRT)	5	€1,190
A0252	Effective Visible Execution (EVE) Manager	Oeiras (PRT)	5	€1,990
A0253	Sustainment Planning Module (SPM), Supply Distribution Model (SDM) Operator	Oeiras (PRT)	5	€1,190
A0254	Logistic Functional Area Services (LOGFAS) Fundamentals & Basic Data Operator	Oeiras (PRT)	5	€1,190
A0255	Logistic Functional Area Services (LOGFAS) System Administrator and Manager	Oeiras (PRT)	5	€1,990
A0264	TOPFAS System Administrator	Oeiras (PRT)	5	€1,330
A0265	TOPFAS OPT for User	Oeiras (PRT)	5	€1,190
A0266	TOPFAS SAT for User	Oeiras (PRT)	5	€1,190
A0267	TOPFAS CAT for User	Oeiras (PRT)	5	€1,190
A0270	NATO MCCIS Orientation & User	Oeiras (PRT)	5	€1,490
A0271	NATO MCCIS RMP Operator	Oeiras (PRT)	10	€2,590
A0273	NATO MCCIS Site Administrator	Oeiras (PRT)	10	€4,600
A0275	NATO MCCIS Waterspace Management	Oeiras (PRT)	5	€1,490
A0277	NATO MCCIS RMP Supervisor	Oeiras (PRT)	5	€1,490
A0280	Cyber Defence NATO CIS Security Officer	Oeiras (PRT)	5	€700
A0285	TOPFAS OPT Train the Trainer	Oeiras (PRT)	5	€3,400
A0286	TOPFAS SAT Train the Trainer	Oeiras (PRT)	5	€3,400
A0287	TOPFAS CAT Train the Trainer	Oeiras (PRT)	5	€3,400
A0288	TOPFAS for Advanced User-Functional Manager	Oeiras (PRT)	5	€2,510
A0300	Geo Basics Level 1	Oeiras (PRT)	5	€1,880
A0301	Geo Basics Level 2	Oeiras (PRT)	5	€1,880
A0302	Geo Scenario	Oeiras (PRT)	10	€5,500
A0310	Core GIS Servers	Oeiras (PRT)	5	€1,520
A0450	LC2IS End User (358)	Oeiras (PRT)	5	€1,190
A0451	LC2IS Information Management	Oeiras (PRT)	5	€2,650
A0600	AIFS Pre-study (106)	Self-paced on-line	1	€0
A0601	SATCOM Basic (048)	Self-paced on-line	1	€0
A0602	Maritime FAS Pre-study (013)	Self-paced on-line	1	€0
A0603	MCCIS Pre-study (014)	Self-paced on-line	1	€0
A0606	Digital Communication (113)	Self-paced on-line	1	€0
A0607	Public Key Infrastructure Pre-study (114)	Self-paced on-line	1	€0
A0609	MCCIS Advanced (031)	Self-paced on-line	1	€0
A0612	DCIS Network Engineering Pre-study (366)	Self-paced on-line	1	€0
A0613	Dragonfly Familiarization (361)	Self-paced on-line	1	€0

Course ID	Name	Delivery location	Duration (days)	Student price
A0650	CCENT (ICND1)	Remote participation	20	€2,080
A0740	CISCO Cybersecurity Fundamentals	Oeiras (PRT)	5	€1,170
A0741	CISCO Cyber Security Operations	Oeiras (PRT)	5	€1,170
A0758	Cyber-Intelligence and Situational Awareness	Oeiras (PRT)	5	€2,510
A0759	Protection of Critical Infrastructures and Systems	Oeiras (PRT)	5	€470
A0765	Digital Leadership and Team Management	Oeiras (PRT)	5	€1,500
A0901	CALI IS Administrator	Oeiras (PRT)	10	€6,390
A0902	CALI ComS Operator	Oeiras (PRT)	10	€6,390
A0903	NATO CALI DSGT Operator	Oeiras (PRT)	10	€3,450
A0910	NRF DCIS (Dragonfly) IS System and Service Desk	Oeiras (PRT)	10	€6,390
A0912	NRF DCIS (Dragonfly) ComS Operator	Oeiras (PRT)	10	€6,390
A0915	NATO DCIS ComS Engineering	Oeiras (PRT)	10	€6,390
A0916	Mini PoP Operator	Oeiras (PRT)	5	€3,540
A0932	DCIS CES Voice Technician	Oeiras (PRT)	5	€2,530
A0961	NATO Deployable IS Administrator	Oeiras (PRT)	10	€3,450
A0970	NATO CIS Technical Instructor	Oeiras (PRT)	5	€1,990
A0971	Methods of CIS Course Development for NATO	Oeiras (PRT)	5	€1,190
A1000	Combined NISP ICC System Administrator (CNIC)	Oeiras (PRT)	10	€4,600
A1001	Windows ICC System Administrator (WICC)	Oeiras (PRT)	5	€2,650
A1002	ACCS System Manager	Oeiras (PRT)	15	€4,930
A1003	ACCS Security Officer	Oeiras (PRT)	5	€1,990
A1006	NISP System Administrator	Oeiras (PRT)	5	€2,650
A1007	JTS/FAST System Administrator	Oeiras (PRT)	5	€2,650
A1008	ACCS-ICC interface Administration	Oeiras (PRT)	5	€2,650
A1010	ASIM System Administrator	Oeiras (PRT)	3	€1,870
A1011	MASE - MICE CONSOLE MIGRATION (MMC)	Oeiras (PRT)	5	€2,650
A1012	NIRIS SYSTEM ADMINISTRATOR	Oeiras (PRT)	5	€2,650
A1013	AirC2IS User	Oeiras (PRT)	5	€2,650
A1014	AirC2IS System Administrator	Oeiras (PRT)	5	€2,650
A1015	Integrated Training Capability (ITC) Technical Control Officer (TCO)	The Hague (NLD)	5	€1,160
A1016	ACCS Data Manager	Oeiras (PRT)	5	€5,630
A2501	SHAPE IM Foundation Course	Mons (BEL)	2	€370
A2502	MS-Publisher 2016	Mons (BEL)	1	€240
A2518	MS-SharePoint 2013 User	Mons (BEL)	0.5	€190
A2519	MS-SharePoint 2013 Func Admin	Mons (BEL)	2	€370
A2522	MS-Windows 10 User	Mons (BEL)	1	€240
A2525	SHAPE CIS Coordinators	Mons (BEL)	1	€370
A2528	MS-Excel 2016 User	Mons (BEL)	1	€240
A2529	MS-Excel 2016 Advanced User	Mons (BEL)	1	€240
A2530	MS-PowerPoint 2016 User	Mons (BEL)	1	€240
A2531	MS-PowerPoint 2016 Advanced User	Mons (BEL)	1	€240
A2532	MS-Outlook 2016 User	Mons (BEL)	1	€240
A2533	MS-Outlook 2016 Advanced User	Mons (BEL)	1	€240

Course ID	Name	Delivery location	Duration (days)	Student price
A2534	MS-Word 2016 User	Mons (BEL)	1	€240
A2535	MS-Word 2016 Advanced User	Mons (BEL)	1	€240
A2536	Tasker Tracker + (TT+)	Mons (BEL)	0.5	€190
A2537	EDMS - Enterprise Document Management System User	Mons (BEL)	0.5	€190
A2538	EDMS - Functional Administrator	Mons (BEL)	1	€370
A2539	TT+ - Functional Administrator	Mons (BEL)	1	€370
A3000	PRINCE2 Foundation & Practitioner Certification Exam Preparation	Mons (BEL)	5	€1,570
A3000	PRINCE2 Foundation & Practitioner Certification Exam Preparation	Oeiras (PRT)	5	€1,570
A3000	PRINCE2 Foundation & Practitioner Certification Exam Preparation	Remote participation	5	€1,740
A3001	MSP Practitioner Certification Exam Prep	Mons (BEL)	5	€1,570
A3001	MSP Practitioner Certification Exam Prep	Remote participation	5	€1,690
A3002	Project Management Professional (PMP) Exam Prep	Mons (BEL)	5	€1,120
A3002	Project Management Professional (PMP) Exam Prep	Remote participation	5	€1,200
A3003	ITIL 4 Foundation Certification Training	Mons (BEL)	3	€920
A3003	ITIL 4 Foundation Certification Training	Oeiras (PRT)	3	€920
A3003	ITIL 4 Foundation Certification Training	Remote participation	3	€1,010
A3004	ITIL Intermediate: Service Strategy (SS)	Mons (BEL)	3	€940
A3004	ITIL Intermediate: Service Strategy (SS)	Remote participation	3	€1,030
A3005	ITIL Intermediate: Service Design (SD)	Mons (BEL)	3	€940
A3005	ITIL Intermediate: Service Design (SD)	Remote participation	3	€1,030
A3006	ITIL Intermediate: Service Transition (ST)	Mons (BEL)	3	€940
A3006	ITIL Intermediate: Service Transition (ST)	Remote participation	3	€1,030
A3007	ITIL Intermediate: Service Operation (SO)	Mons (BEL)	3	€940
A3007	ITIL Intermediate: Service Operation (SO)	Remote participation	3	€1,030
A3008	ITIL Intermediate: Continual Service Improvement (CSI)	Mons (BEL)	3	€940
A3008	ITIL Intermediate: Continual Service Improvement (CSI)	Remote participation	3	€1,030
A3009	ITIL Intermediate: Operational Support and Analysis (OSA)	Mons (BEL)	3	€1,160
A3009	ITIL Intermediate: Operational Support and Analysis (OSA)	Remote participation	3	€1,280
A3010	ITIL Intermediate: Service Offerings and Agreements (SOA)	Mons (BEL)	3	€1,160
A3010	ITIL Intermediate: Service Offerings and Agreements (SOA)	Remote participation	3	€1,280
A3011	ITIL Intermediate: Release, Control and Validation (RCV)	Mons (BEL)	3	€1,160
A3011	ITIL Intermediate: Release, Control and Validation (RCV)	Remote participation	3	€1,280
A3014	COBIT 5 Foundation	Mons (BEL)	3	€850
A3014	COBIT 5 Foundation	Remote participation	3	€940
A3019	Microsoft Project Introduction	Mons (BEL)	3	€680
A3019	Microsoft Project Introduction	Remote participation	3	€730
A3022	Administering Windows Server 2012	Mons (BEL)	5	€1,490
A3022	Administering Windows Server 2012	Remote participation	5	€1,570
A3024	Deploying VMware vSphere	Mons (BEL)	4	€1,200
A3024	Deploying VMware vSphere	Remote participation	4	€1,260
A3025	Certified Ethical Hacker (CEH) Certification Exam Preparation	Mons (BEL)	5	€1,790
A3025	Certified Ethical Hacker (CEH) Certification Exam Preparation	Remote participation	5	€1,860
A3027	Vulnerability Assessment Training: Protecting Your Organisation	Mons (BEL)	4	€1,030

Course ID	Name	Delivery location	Duration (days)	Student price
A3027	Vulnerability Assessment Training: Protecting Your Organisation	Remote participation	4	€1,090
A3028	Project Management Training: Skills for Success	Mons (BEL)	4	€990
A3028	Project Management Training: Skills for Success	Remote participation	4	€1,050
A3030	Influence Skills Training: Getting Results without Direct Authority	Mons (BEL)	4	€1,170
A3030	Influence Skills Training: Getting Results without Direct Authority	Remote participation	4	€1,230
A3034	Certified Information Systems Security Professional (CISSP) Certification Exam Preparation	Mons (BEL)	5	€4,020
A3034	Certified Information Systems Security Professional (CISSP) Certification Exam Preparation	Remote participation	5	€4,100
A3036	Introduction to Cloud Computing	Mons (BEL)	3	€790
A3036	Introduction to Cloud Computing	Remote participation	3	€840
A3039	McAfee VirusScan and ePOlicy Administrator	Mons (BEL)	4	€3,900
A3039	McAfee VirusScan and ePOlicy Administrator	Remote participation	4	€3,960
A3041	Automating Administration with PowerShell	Mons (BEL)	5	€1,490
A3041	Automating Administration with PowerShell	Remote participation	5	€1,570
A3042	Advanced Automated Administration with PowerShell	Mons (BEL)	3	€1,490
A3042	Advanced Automated Administration with PowerShell	Remote participation	3	€1,540
A3043	Agile Project Management Training for Practitioner & Foundation Certification	Mons (BEL)	5	€1,460
A3043	Agile Project Management Training for Practitioner & Foundation Certification	Remote participation	5	€1,530
A3045	Introduction to SQL Language	Mons (BEL)	3	€930
A3045	Introduction to SQL Language	Remote participation	3	€980
A3046	Network Configuration and Troubleshooting	Mons (BEL)	4	€1,010
A3046	Network Configuration and Troubleshooting	Remote participation	4	€1,080
A3048	Defending the Perimeter from Cyber Attacks	Mons (BEL)	4	€1,260
A3048	Defending the Perimeter from Cyber Attacks	Remote participation	4	€1,320
A3049	Endpoint Security and Network Access Control	Mons (BEL)	4	€1,260
A3049	Endpoint Security and Network Access Control	Remote participation	4	€1,320
A3064	Planning and Administering SharePoint 2016	Mons (BEL)	5	€1,490
A3064	Planning and Administering SharePoint 2016	Remote participation	5	€1,570
A3065	Advanced Solutions of Microsoft Exchange Server 2013	Mons (BEL)	5	€1,490
A3065	Advanced Solutions of Microsoft Exchange Server 2013	Remote participation	5	€1,570
A3067	Administering Microsoft SQL Server 2014 Databases	Mons (BEL)	5	€1,490
A3067	Administering Microsoft SQL Server 2014 Databases	Remote participation	5	€1,570
A3076	ISTQB Certified Tester: Foundation Certification Exam Prep	Mons (BEL)	3	€1,190
A3076	ISTQB Certified Tester: Foundation Certification Exam Prep	Remote participation	3	€1,240
A3079	VMware vSphere: Install, Configure, Manage (V6.5)	Mons (BEL)	5	€1,220
A3079	VMware vSphere: Install, Configure, Manage (V6.5)	Remote participation	5	€1,300
A3080	Preparing for TOGAF Certification	Mons (BEL)	4	€1,460
A3080	Preparing for TOGAF Certification	Remote participation	4	€1,520
A3082	CA Spectrum r10.1: Foundations 200	Mons (BEL)	5	€2,260
A3082	CA Spectrum r10.1: Foundations 200	Remote participation	5	€2,340

Course ID	Name	Delivery location	Duration (days)	Student price
A3084	Certified in Risk and Information Systems Control (CRISC) Exam Preperation	Mons (BEL)	4	€1,230
A3084	Certified in Risk and Information Systems Control (CRISC) Exam Preperation	Remote participation	4	€1,290
A3085	Cyber Security Risk Assessment & Management	Mons (BEL)	4	€2,390
A3085	Cyber Security Risk Assessment & Management	Remote participation	4	€2,460
A3088	McAfee Data Loss Prevention Endpoint Administration (11.0)	Mons (BEL)	4	€3,880
A3088	McAfee Data Loss Prevention Endpoint Administration (11.0)	Remote participation	4	€3,940
A3090	Lean Six Sigma: Yellow Belt	Mons (BEL)	2	€1,110
A3090	Lean Six Sigma: Yellow Belt	Remote participation	2	€1,140
A3092	Management of Risk: Foundation & Practitioner	Mons (BEL)	5	€1,950
A3092	Management of Risk: Foundation & Practitioner	Remote participation	5	€2,030
A3094	ISTQB Advanced Test Manager Certificate	Mons (BEL)	5	€2,330
A3094	ISTQB Advanced Test Manager Certificate	Remote participation	5	€2,410
A3096	Lean Six Sigma: Green Belt	Mons (BEL)	5	€2,240
A3096	Lean Six Sigma: Green Belt	Remote participation	5	€2,320
A3097	Virtualization Technologies Introduction	Mons (BEL)	4	€1,020
A3097	Virtualization Technologies Introduction	Remote participation	4	€1,080
A3098	Security Essentials Bootcamp Style Self Study	Self-paced on-line	6	€8,510
A3106	Windows 10 Client: Installation & Configuration	Mons (BEL)	5	€1,490
A3106	Windows 10 Client: Installation & Configuration	Remote participation	5	€1,570
A3107	Microsoft Networking and Security Fundamentals	Mons (BEL)	5	€1,940
A3107	Microsoft Networking and Security Fundamentals	Remote participation	5	€2,020
A3108	Managing MDT client deployments in a Microsoft Windows Server Environment	Mons (BEL)	3	€990
A3108	Managing MDT client deployments in a Microsoft Windows Server Environment	Remote participation	3	€1,040
A3109	Implementing an Advanced Server Infrastructure	Mons (BEL)	5	€1,490
A3109	Implementing an Advanced Server Infrastructure	Remote participation	5	€1,570
A3111	Firewall: Optimizing Firewall Threat Prevention	Mons (BEL)	5	€2,420
A3111	Firewall: Optimizing Firewall Threat Prevention	Remote participation	5	€2,480
A3112	Troubleshooting Active	Mons (BEL)	5	€1,490
A3112	Troubleshooting Active	Remote participation	5	€1,570
A3113	CompTIA Network+	Mons (BEL)	5	€1,910
A3113	CompTIA Network+	Remote participation	5	€1,990
A3114	Firewall Essentials: Configuration and Management	Mons (BEL)	5	€2,610
A3114	Firewall Essentials: Configuration and Management	Remote participation	5	€2,690
A3115	Panorama 8.1 Manage Firewalls At Scale	Remote participation	1	€140
A3116	Firewall 8.1 Essentials Configuration and Management	Remote participation	1	€140
A3118	Networks Panorama 8.1 Managing Firewalls at Scale	Mons (BEL)	2	€1,180
A3118	Networks Panorama 8.1 Managing Firewalls at Scale	Remote participation	2	€1,210
A3119	Firewall 8.1 Troubleshooting	Mons (BEL)	3	€1,890
A3119	Firewall 8.1 Troubleshooting	Remote participation	3	€1,930
A3121	Administering the Web Server	Mons (BEL)	5	€1,490

Course ID	Name	Delivery location	Duration (days)	Student price
A3121	Administering the Web Server	Remote participation	5	€1,570
A3123	Postgre SQL Administration	Mons (BEL)	5	€1,630
A3123	Postgre SQL Administration	Remote participation	5	€1,710
A3124	Microsoft Windows PowerShell for Administrators	Mons (BEL)	4	€1,490
A3124	Microsoft Windows PowerShell for Administrators	Remote participation	4	€1,550
A3125	SANS Securing Windows and PowerShell Automation	Remote participation	6	€8,600
A3126	SANS Advanced Security Essentials - Enterprise Defender	Remote participation	6	€8,600
A3127	ITIL 4 Specialist: High Velocity IT Training	Mons (BEL)	3	€1,270
A3127	ITIL 4 Specialist: High Velocity IT Training	Remote participation	3	€1,320
A3128	ITIL 4 Specialist: Drive Stakeholder Value Training	Mons (BEL)	3	€1,270
A3128	ITIL 4 Specialist: Drive Stakeholder Value Training	Remote participation	3	€1,320
A3129	ITIL 4 Strategist: Direct, Plan and Improve Training	Mons (BEL)	3	€1,270
A3129	ITIL 4 Strategist: Direct, Plan and Improve Training	Remote participation	3	€1,320
A3130	ITIL 4 Specialist: Create, Deliver, and Support Training	Mons (BEL)	3	€1,270
A3130	ITIL 4 Specialist: Create, Deliver, and Support Training	Remote participation	3	€1,320
A3131	ITIL 4 Managing Professional (MP) Transition Module	Mons (BEL)	5	€1,280
A3131	ITIL 4 Managing Professional (MP) Transition Module	Remote participation	5	€1,360
A3132	McAfee Epolicy Orchestrator Administrator	Mons (BEL)	4	€4,130
A3132	McAfee Epolicy Orchestrator Administrator	Remote participation	4	€4,200
A3133	McAfee Endpoint Security 10.x Administration	Mons (BEL)	4	€4,130
A3133	McAfee Endpoint Security 10.x Administration	Remote participation	4	€4,200
A3134	Administering Microsoft Exchange Server 2016/2019	Mons (BEL)	5	€1,490
A3134	Administering Microsoft Exchange Server 2016/2019	Remote participation	5	€1,570
A3135	Implementing and Operating Cisco Enterprise Network Core Technologies (ENCOR)	Mons (BEL)	5	€2,210
A3135	Implementing and Operating Cisco Enterprise Network Core Technologies (ENCOR)	Remote participation	5	€2,290
A3136	Implementing and Administering Cisco Solutions (CCNA)	Mons (BEL)	5	€2,400
A3136	Implementing and Administering Cisco Solutions (CCNA)	Remote participation	5	€2,480
A3138	Computer Forensics Bootcamp	Mons (BEL)	5	€3,890
A3138	Computer Forensics Bootcamp	Remote participation	5	€3,960
A4000	CCT200 SATCOM Terminal NATO Mission Iraq (NMI) Operator	Diekirch (LUX)	3	€520
A5002	MEL/MIL	The Hague (NLD)	3	€1,380
A5003	Training Objective Management Module (TOMM)	The Hague (NLD)	1	€540
A5004	JEMM Data Administrator	The Hague (NLD)	2	€1,690
A5006	Joint Exercise Management Module (JEMM) system administrator	The Hague (NLD)	2	€1,670
A9005	JChat M-Link Server Administrator	Oeiras (PRT)	3	€1,940
A9006	JChat Combined Openfire Server and JChat Client Administrator	Oeiras (PRT)	4	€2,260
A9007	NATO Land Command and Control Information Services (LC2IS) System Administrator	The Hague (NLD)	4.5	€4,870
A9008	Functional Area Service for dynamic and time-sensitive Targeting (FAST) User Course	Oeiras (PRT)	3	€770
A9009	Integrated Command and Control (ICC) Data Manager	Oeiras (PRT)	5	€2,730
A9010	Integrated Command and Control (ICC) User	Oeiras (PRT)	5	€2,730

Course ID	Name	Delivery location	Duration (days)	Student price
A9011	Joint Targeting System (JTS) User	Oeiras (PRT)	4	€920
A9014	NATO Use of IBM Analyst-s Notebook User	Oeiras (PRT)	3	€620
A9015	J2X Intelligence Systems	Oeiras (PRT)	2	€650
A9033	JOCWatch User	The Hague (NLD)	0.5	€210
A9034	JOCWatch Maintainer	The Hague (NLD)	0.5	€350
A9035	JOCWatch Administrator	Oeiras (PRT)	4	€1,530
A9036	iGeoSIT End User I	The Hague (NLD)	2	€550
A9037	iGeoSIT System Administration	The Hague (NLD)	4	€1,280
A9041	iGeoSIT Combined End-User and System Administration	The Hague (NLD)	5	€1,340
A9046	NATO Common Operational Picture (NCOP) User	Oeiras (PRT)	3	€840
A9064	Intelligence Functional Service (INTEL-FS) System Administrator	Mons (BEL)	3	€2,780
A9065	Functional Areas Services (FAS) Level 1 Support Workshop: Group D, E	Mons (BEL)	2	€800
A9070	ITSM Overview	Mons (BEL)	0.5	€190
A9071	ITSM-Operational Processes (Incident and Problem Management)	Mons (BEL)	1	€400
A9072	ITSM-Transitional Processes (Request Fulfilment and Change Management)	Mons (BEL)	1	€400
A9073	JTS/FAST Combined User Course	Oeiras (PRT)	5	€1,070

Annex 4.2: Course prices per MTT

Course ID	Name	Delivery location	Duration (days)	MTT Europe Price
A0024	Long Range DLOS Operator/Technician	MTT	5	€23,400
A0025	Short Range DLOS Operator/Technician	MTT	10	€38,800
A0040	NATO X-Band DSGT Operator Level 1	MTT	10	€38,800
A0042	BBSST Operator	MTT	5	€23,400
A0043	NATO X-Band TSGT G3 Operator Level 1	MTT	10	€52,800
A0047	NATO X-Band UTSGT Operator	MTT	5	€23,400
A0050	HF Operator	MTT	10	€38,800
A0051	NATO DART+ Operator	MTT	5	€23,400
A0056	NATO TLK/ILK Operator	MTT	5	€23,400
A0188	Spectrum Management Basics (SMB)	MTT	10	€38,800
A0191	Spectrum Management Intermediate (SMI)	MTT	10	€38,800
A0192	Spectrum Management Advanced (SMA)	MTT	10	€38,800
A0193	Spectrum XXI Basics (SXXIB)	MTT	10	€38,800
A0194	Spectrum XXI Intermediate (SXXII)	MTT	10	€38,800
A0195	Spectrum XXI Advanced (SXXIA)	MTT	10	€38,800
A0196	Spectrum Analyser Basics (SAB)	MTT	10	€38,800
A0197	Spectrum Analyser Intermediate (SAI)	MTT	10	€38,800
A0198	Spectrum Analyser Advanced (SAA)	MTT	10	€38,800
A0220	Allied Deployment and Movements System (ADAMS) Staff Officer	MTT	5	€15,300
A0222	Coalition Reception, Staging and Onward Movement (CORSOM) Operator	MTT	5	€15,300
A0223	Effective Visible Execution (EVE) Operator	MTT	5	€15,300
A0224	Allied Deployment and Movements System (ADAMS) Basic Operator	MTT	10	€24,800
A0225	Allied Deployment and Movements System (ADAMS) Advanced Operator	MTT	5	€15,300
A0226	Logistics Reporting (LOGREP) Operator	MTT	5	€15,300
A0251	Logistic Functional Areas Services (LOGFAS) Staff Officer	MTT	5	€15,300
A0252	Effective Visible Execution (EVE) Manager	MTT	5	€15,300
A0253	Sustainment Planning Module (SPM), Supply Distribution Model (SDM) Operator	MTT	5	€15,300
A0254	Logistic Functional Area Services (LOGFAS) Fundamentals & Basic Data Operator	MTT	5	€15,300
A0255	Logistic Functional Area Services (LOGFAS) System Administrator and Manager	MTT	5	€15,300
A0265	TOPFAS OPT for User	MTT	5	€23,400
A0266	TOPFAS SAT for User	MTT	5	€23,400
A0267	TOPFAS CAT for User	MTT	5	€23,400
A0310	Core GIS Servers	MTT	5	€21,200
A0450	LC2IS End User (358)	MTT	5	€23,400
A0451	LC2IS Information Management	MTT	5	€23,400

Course ID	Name	Delivery location	Duration (days)	MTT Europe Price
A0916	Mini PoP Operator	MTT	5	€23,400
A0961	NATO Deployable IS Administrator	MTT	10	€38,800
A0970	NATO CIS Technical Instructor	MTT	5	€23,400
A0971	Methods of CIS Course Development for NATO	MTT	5	€23,400
A1004	ACCS Communication Manager	MTT	10	€35,300
A1015	Integrated Training Capability (ITC) Technical Control Officer (TCO)	MTT	5	€13,500
A1028	NIRIS SYSTEM ADMINISTRATOR UPDATE (NIR-UP)	MTT	2	€9,800
A3000	PRINCE2 Foundation & Practitioner Certification Exam Preparation	MTT	5	€15,700
A3001	MSP Practitioner Certification Exam Prep	MTT	5	€15,700
A3002	Project Management Professional (PMP) Exam Prep	MTT	5	€11,200
A3003	ITIL 4 Foundation Certification Training	MTT	3	€9,200
A3014	COBIT 5 Foundation	MTT	3	€8,500
A3019	Microsoft Project Introduction	MTT	3	€6,800
A3022	Administering Windows Server 2012	MTT	5	€14,900
A3024	Deploying VMware vSphere	MTT	4	€12,000
A3025	Certified Ethical Hacker (CEH) Certification Exam Preparation	MTT	5	€17,900
A3027	Vulnerability Assessment Training: Protecting Your Organisation	MTT	4	€10,300
A3028	Project Management Training: Skills for Success	MTT	4	€9,900
A3030	Influence Skills Training: Getting Results without Direct Authority	MTT	4	€11,700
A3039	McAfee VirusScan and ePOlicy Administrator	MTT	4	€39,000
A3041	Automating Administration with PowerShell	MTT	5	€14,900
A3042	Advanced Automated Administration with PowerShell	MTT	3	€14,900
A3043	Agile Project Management Training for Practitioner & Foundation Certification	MTT	5	€14,600
A3045	Introduction to SQL Language	MTT	3	€9,300
A3046	Network Configuration and Troubleshooting	MTT	4	€10,100
A3048	Defending the Perimeter from Cyber Attacks	MTT	4	€12,600
A3064	Planning and Administering SharePoint 2016	MTT	5	€14,900
A3065	Advanced Solutions of Microsoft Exchange Server 2013	MTT	5	€14,900
A3067	Administering Microsoft SQL Server 2014 Databases	MTT	5	€14,900
A3079	VMware vSphere: Install, Configure, Manage (V6.5)	MTT	5	€12,200
A3080	Preparing for TOGAF Certification	MTT	4	€14,600
A3082	CA Spectrum r10.1: Foundations 200	MTT	5	€22,600
A3088	McAfee Data Loss Prevention Endpoint Administration (11.0)	MTT	4	€38,800
A3090	Lean Six Sigma: Yellow Belt	MTT	2	€11,100
A3092	Management of Risk: Foundation & Practitioner	MTT	5	€19,500
A3096	Lean Six Sigma: Green Belt	MTT	5	€22,400
A3097	Virtualization Technologies Introduction	MTT	4	€10,200

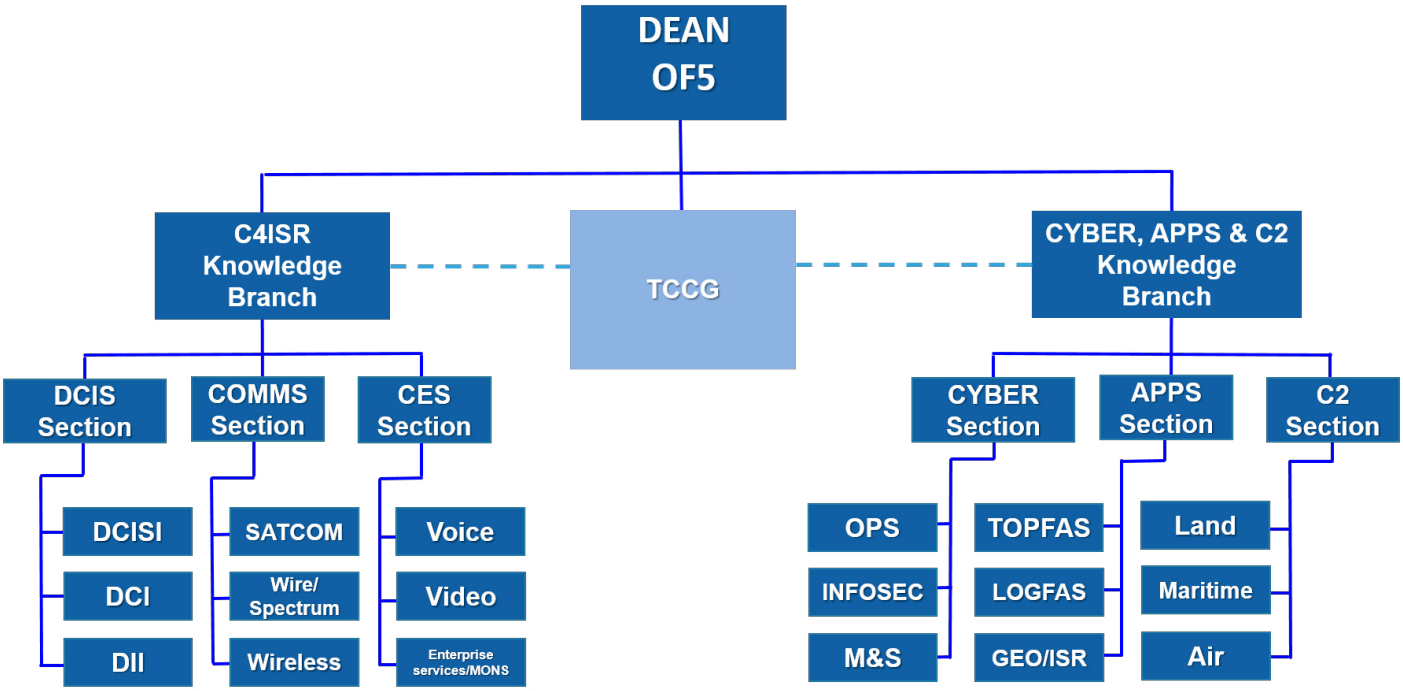
Course ID	Name	Delivery location	Duration (days)	MTT Europe Price
A3106	Windows 10 Client: Installation & Configuration	MTT	5	€14,900
A3107	Microsoft Networking and Security Fundamentals	MTT	5	€19,400
A3108	Managing MDT client deployments in a Microsoft Windows Server Environment	MTT	3	€9,900
A3109	Implementing an Advanced Server Infrastructure	MTT	5	€14,900
A3111	Firewall: Optimizing Firewall Threat Prevention	MTT	5	€24,200
A3112	Troubleshooting Active	MTT	5	€14,900
A3113	CompTIA Network+	MTT	5	€19,100
A3114	Firewall Essentials: Configuration and Management	MTT	5	€26,100
A3118	Networks Panorama 8.1 Managing Firewalls at Scale	MTT	2	€11,800
A3119	Firewall 8.1 Troubleshooting	MTT	3	€18,900
A3121	Administering the Web Server	MTT	5	€14,900
A3123	Postgre SQL Administration	MTT	5	€16,300
A3124	Microsoft Windows PowerShell for Administrators	MTT	4	€14,900
A3127	ITIL 4 Specialist: High Velocity IT Training	MTT	3	€12,700
A3128	ITIL 4 Specialist: Drive Stakeholder Value Training	MTT	3	€12,700
A3129	ITIL 4 Strategist: Direct, Plan and Improve Training	MTT	3	€12,700
A3130	ITIL 4 Specialist: Create, Deliver, and Support Training	MTT	3	€12,700
A3131	ITIL 4 Managing Professional (MP) Transition Module	MTT	5	€12,800
A3132	McAfee Epolicy Orchestrator Administrator	MTT	4	€41,300
A3133	McAfee Endpoint Security 10.x Administration	MTT	4	€41,300
A3134	Administering Microsoft Exchange Server 2016/2019	MTT	5	€14,900
A3135	Implementing and Operating Cisco Enterprise Network Core Technologies (ENCOR)	MTT	5	€22,100
A3136	Implementing and Administering Cisco Solutions (CCNA)	MTT	5	€24,000
A3138	Computer Forensics Bootcamp	MTT	5	€38,900
A5002	MEL/MIL	MTT	3	€18,500
A5003	Training Objective Management Module (TOMM)	MTT	1	€11,400
A5004	JEMM Data Administrator	MTT	2	€19,000
A5006	Joint Exercise Management Module (JEMM) system administrator	MTT	2	€19,000
A9005	JChat M-Link Server Administrator	MTT	3	€9,700
A9007	NATO Land Command and Control Information Services (LC2IS) System Administrator	MTT	4.5	€16,100
A9008	Functional Area Service for dynamic and time-sensitive Targeting (FAST) User Course	MTT	3	€12,100
A9010	Integrated Command and Control (ICC) User	MTT	5	€15,300
A9011	Joint Targeting System (JTS) User	MTT	4	€14,500
A9014	NATO Use of IBM Analyst-s Notebook User	MTT	3	€12,100
A9015	J2X Intelligence Systems	MTT	2	€12,100
A9026	Intelligence Functional Service (INTEL-FS) Basic User	MTT	2	€9,200
A9027	Intelligence Functional Service (INTEL-FS) Battle Space Objects (BSO)	MTT	1	€7,300
A9030	Intelligence Collection Management Tool (ICMT)	MTT	2.5	€13,900

Course ID	Name	Delivery location	Duration (days)	MTT Europe Price
A9032	Intelligence Functional Service (INTEL-FS) Organisational Node Administration (ONA)	MTT	0.5	€5,500
A9033	JOCWatch User	MTT	0.5	€5,500
A9034	JOCWatch Maintainer	MTT	0.5	€5,500
A9035	JOCWatch Administrator	MTT	4	€14,500
A9037	iGeoSIT System Administration	MTT	4	€19,100
A9039	Allied Command Europe Open Source System (AOSS)	MTT	0.5	€10,100
A9041	iGeoSIT Combined End-User and System Administration	MTT	5	€16,400
A9044	NATO Intelligence Functional Areas Services Training (NIFST)	MTT	4	€14,500
A9045	Functional Areas Services (FAS) Overview	MTT	4	€21,200
A9046	NATO Common Operational Picture (NCOP) User	MTT	3	€17,700
A9061	Intelligence Functional Service (INTEL-FS) Intelligence Request Management	MTT	0.5	€5,500
A9064	Intelligence Functional Service (INTEL-FS) System Administrator	MTT	3	€17,500
A9067	eFGMT Functional Manager	MTT	2	€15,100
A9068	eFGMT Practitioner	MTT	3	€24,900
A9073	JTS/FAST Combined User Course	MTT	5	€16,400

Annex 5: Training knowledge organization

Introduction

In this annex a brief explanation of which training disciplines are represented in the NCI Academy. In addition, we will indicate which training knowledge centres and specifically which sections are responsible for which courses. For that, there are references to diagrams with related courses.



C4ISR : Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance

DCIS : Deployable Communications and Information Systems

DCISI : Deployable Communications and Information Systems Infrastructure

DCI : Deployable Communications Infrastructure

DII : Deployable Information Systems Infrastructure

COMMS : Communications

SATCOM : Satellite Communications

CES : Core and Enterprise Services

TCCG : Training Coordination and Control Group

INFOSEC : Info Security Services

M&S : Modelling and Simulation

APPS : Applications

TOPFAS : Tool for Operations Planning Functional Area Services

LOGFAS : Logistic Functional Area Services

GEO/ISR : Geographic and Intelligence, Surveillance and Reconnaissance

1. Training knowledge centre - cyber, applications, command and control

The cyber, applications (APPS), and Command and Control (C2) training knowledge centre is delivering world-class courses in the three following domains:

- Cyber security and cyber defence;
- Functional Area Services (FAS);
- Command and Control (C2).

Supporting NATO's mission, the cyber, APPS and C2 training knowledge centre is responsible for the management and delivery of both technical and user training as tasked by NCI Agency, under the Dean of Academy leadership. The courses and trainings are provided to all NATO headquarters, NATO Nations and Partner Nations, headquarters and organisations.

In close coordination with the C4ISR training knowledge centre, the training activities related to the cyber defence and security, LOGFAS and TOPFAS applications and C2 systems (air, land and maritime) are managed with the Academy TCCG. The relations with NCI Agency's Service Lines, Project Managers and stakeholders from NATO or national entities ensures the enhancement of high level quality trainings and knowledge sharing with our partners.

1.1 Cyber defence and security

The NCI Academy's Cyber Defence and Security team provides high quality training for NATO CIS fixed and deployable networks.

The team is building knowledge to support NATO's mission by training its CIS technicians and Crypto Custodians to operate and administer CIS equipments in accordance with NATO cyber defence and security governance. Additionally, the team is training CIS Security Officers to ensure the confidentiality, availability and integrity of CIS networks and infrastructure is at the forefront when planning, and managing cyber threats within an ever evolving and challenging cyber domain.

Their trainings currently comprise eight courses using five classrooms, four laboratories at the Academy and through Mobile Training Teams (MTT).

Annex	Diagram
6.1	CRYPTO
6.2	CYBER DEFENCE

1.2 AIFS/TOPFAS

The AIFS/TOPFAS team of the NCI Academy provides high quality hands-on training on NATO's operations planning software TOPFAS (eight different courses) as well as the current military message handling System AIFS (three different courses, of which one is on ADL).

TOPFAS user courses (SAT, OPT, and CAT) are taught at the NCI Academy or by mobile training on site. Advanced training for Functional Managers, Headquarters-TOPFAS trainers and System Administrators is provided together with experts from the C2 Service Line.

Our AIFS training supports NATO's capabilities for secure and reliable communication between NATO headquarters and with NATO Nations.

Annex	Diagram
6.3	TOPFAS
6.4	AIFS

1.3 Logistic Functional Area Subsystems (LOGFAS)

The LOGFAS section located at the NCI Academy is responsible for the design production, maintenance and delivery of LOGFAS Manager and Operator Courses that are provided to all NATO headquarters, NATO Nations and Partner Nations, headquarters and organizations.

LOGFAS is NATOs program used by the J4 area to Analyse, Plan, Execute and Report all Logistical, Transportation and Movements activities for Forces Deploying and Redeploying for Operations and their maintenance while in Theatre.

The course portfolio consists of over 12 different courses that are conducted from five to ten days. The courses are targeted to the specialist personal responsible for the different aspects within the J4 area. Support is also provided to support pre-deployment training events and in Theatres of Operations.

Annex	Diagram
6.5	LOGFAS

1.4 C2-Land, Maritime and NCOP

Supporting NATO's mission, the NCI Academy C2 maritime, land and combined team is responsible for the design, production, maintenance and delivery for three operational Functional Area Services. These are Maritime Command and Control System (MC2IS), Land Command and Control Information Service (LC2IS) and NATO Common Operational Picture (NCOP).

Multiple courses are deliverable either on-site or by mobile training. Courses range from three to 10 days covering basic operations up to site administration.

Annex	Diagram
6.6	MCCIS
6.7	LC2IS

1.5 Air Command and Control (AirC2)

The AirC2 team located at the NCI Academy is responsible for the design production, maintenance and delivery of both technical and user training for NCI Agency fielded AirC2 systems. These systems include ACCS (Air Command and Control System), ICC (Integrated Command and Control), NISP (NATO Integrated Solaris Platform), JCHAT, AirC2IS, NIRIS (Networked Interoperable Real-time Information), JTS (Joint Targeting System), MASE (Multi Aegis Site Emulator) and ASIM (ACCS Sensor Integration Module (ASIM).

The portfolio consists of over 15 different courses that range from three to 15 days. Most courses are targeted at technical personal but we have started to expand into user training.

Annex	Diagram
6.8	JCHAT
6.9	AIRC2IS

2. Training knowledge centre - C4ISR and enterprise service

The IT and C4ISR training knowledge centre is delivering world-class courses in the following three domains:

- Deployable CIS;
- Communications;
- Core and Enterprise Services.

C4ISR stands for systems, procedures, and techniques used to collect and disseminate information. This includes intelligence collection and dissemination networks, command and control networks, and systems that provide the common operational/tactical picture. C4ISR also includes information assurance products and services, as well as communications standards that support the secure exchange of information by C4ISR systems (digital, voice, and video data to appropriate levels of command).

C4ISR combines all the systems that allow military commanders:

- To understand their operational environment;
- To identify mission critical factors;
- To control their assets.

Annex	Diagram
6.10	C4ISR & CIS Planner

2.1 DCIS

The NCI Academy's DCI Team, together with DII and DCISI teams makes up the DCIS Section and provides high quality training on Deployable Communications Infrastructure, or ComS.

We provide knowledge to support DCIS Systems during NATO exercises and missions.

NATO Deployable Communications Systems covered by our team are CALI (CGS, ACP, LINC-E and IMCD), Mini PoP and DragonFly. In the future, we will also provide training on new mid-size system – FireFly. Our portfolio currently comprises four courses using five classrooms and two laboratories, all infrastructure shared with DII Team.

Annex	Diagram
6.11	DCIS COMS
6.12	DCIS IS

2.2 Communications (COMMS)

The COMMS team provides high quality training in multiple areas connected to setting up, using and maintaining different types of communication systems.

We provide training for multiple deployable, transportable and static NATO satellite communications (SATCOM) terminals. The terminals we cover are BBSST, DART+, DSGT, VSAT Hub and Spoke, TSGT G3, G3 DSO, UTSGT and SGS.

We also provide tailored and specific training in the areas of spectrum management, digital line of sight, fibre optics and wireless technology.

Annex	Diagram
6.13	FIBRE & DLOS
6.14	UHF TACSAT
6.15	SATCOM
6.16	SPECTRUM MANAGEMENT

2.3 Core Enterprise Services (CES)

CES delivers training in three domains. Firstly, the Video Teleconferencing (VTC) team provides training on deployable, transportable and static NATO VTC systems, including Polycom Real Presence desktop, NATO Phase 1 HD system wide VTC (Polycom HDX CODECS) NATO phase 2 HD system wide VTC (Polycom Group Series CODECS), Polycom Group 500 First Responder Mobile Videoconferencing Kit and the legacy Cisco/ TANDBERG Tactical MXP;

Secondly, the voice/unified communications section is responsible for the delivery of voice over secure IP training for static and deployable CIS crews. This training is a mixed of heavily Collaboration Cisco and in-house training based on Cisco Collaboration applications. We are currently in the process to align with latest version of the Cisco Collaboration training, which came into play as recently as February 2020.

Finally, Enterprise Services, located in Mons in Belgium, provides training for the efficient operation of NATO CIS softwares assigned to the NCI Academy Mons for instruction. External courses are also hosted by this team, either in Mons or in other locations.

Annex	Diagram
6.17	GEO

3. Other service lines

Many courses in the 9xxx series are delivered by specialist instructors brought in from other elements of the NCI Agency, known as Service Lines. The Service Lines that provide the specialist instructors featured in Annex 6 are introduced below.

3.1 Air and Missile Defence Command and Control (AMDC2)

The AMDC2 Service Line provides support for NATO Air Command and Control (AirC2) and Ballistic Missile Defence (BMD) operations. This includes providing the technology that allows the Alliance to plan, execute and monitor all air operations, including operations to defend the Alliance against missile attacks.

Annex	Diagram
6.18	ICC

3.2 Command and Control (C2)

The C2 Service Line is accountable for planning and executing all lifecycle management activities (design, transition and operations) for joint/maritime/land C2 services. This includes subject matter expertise, research and development, software engineering, acquisition and operations and maintenance in many C3 community of interest technical service areas. The C2 Service Line delivers solutions for areas such as:

- Land, maritime, nuclear, joint operations and special operational forces C2;
- Situational awareness;
- Chemical, biological, radiological and nuclear (CBRN) defence;
- C2 interoperability;
- Data exchange mechanisms.

Annex	Diagram
6.19	EFGMT

3.3 Joint Intelligence, Surveillance and Reconnaissance (JISR)

The JISR Service Line is responsible for and accountable to internal and external customers for support to planning and execution of all lifecycle management activities for JISR service. This to include JISR related strategy, policy, process and application/capability design, implementation, acquisition, transition, operation, maintenance, improvement and integrated logistic support. This is accomplished through an architecture driven evolution based on integration of subject matter expertise obtained from research and development, operations, and maintenance of existing, evolving and planned capabilities.

Annex	Diagram
6.20	IGEOSIT - NCOP
6.21	INTELL

Annex 6: Course path diagrams introduction

How to read the course path diagrams

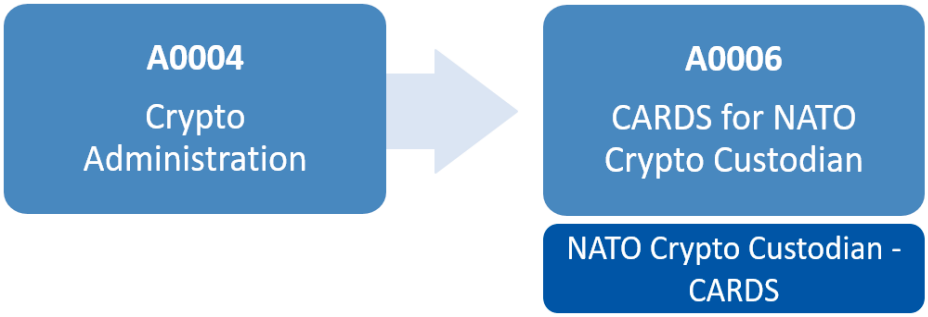
The diagrams included in this annex show the paths that students can take towards certain qualifications. The courses are linked by arrows: the starting point of each arrow indicates a prerequisite towards the course the arrow points to. The final courses in the diagram are indicated by a darker blue box with the qualification.

In many cases, courses have multiple arrows leading towards them. This means that the courses have multiple prerequisites or pathways. If between the arrows the word 'OR' is listed, this means that one of these prerequisites is enough to progress through the path. Dashed arrows mean that we suggest to follow the preceding course, but it is not strictly necessary.

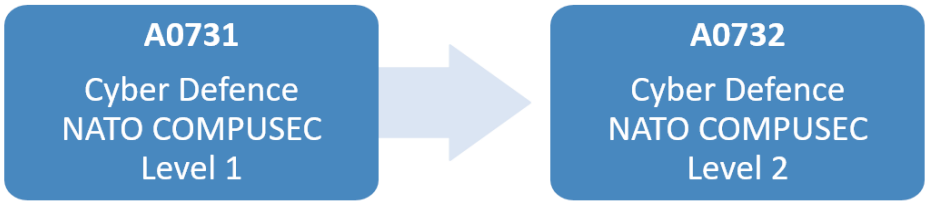
If you have equivalent knowledge to certain courses and are in doubt whether following these prerequisites is necessary, take a closer look at the listing of the course catalogue first. In many cases, equivalent knowledge is enough, but sometimes the preceding courses are necessary. Contact training@ncia.nato.int for further questions.

The following pages are reserved for the course diagrams of courses in categories A0xxx, A1xxx and A9xxx. There are more diagrams in the works for the other courses, and the current diagrams will be updated when their relationships with these other courses are charted as well.

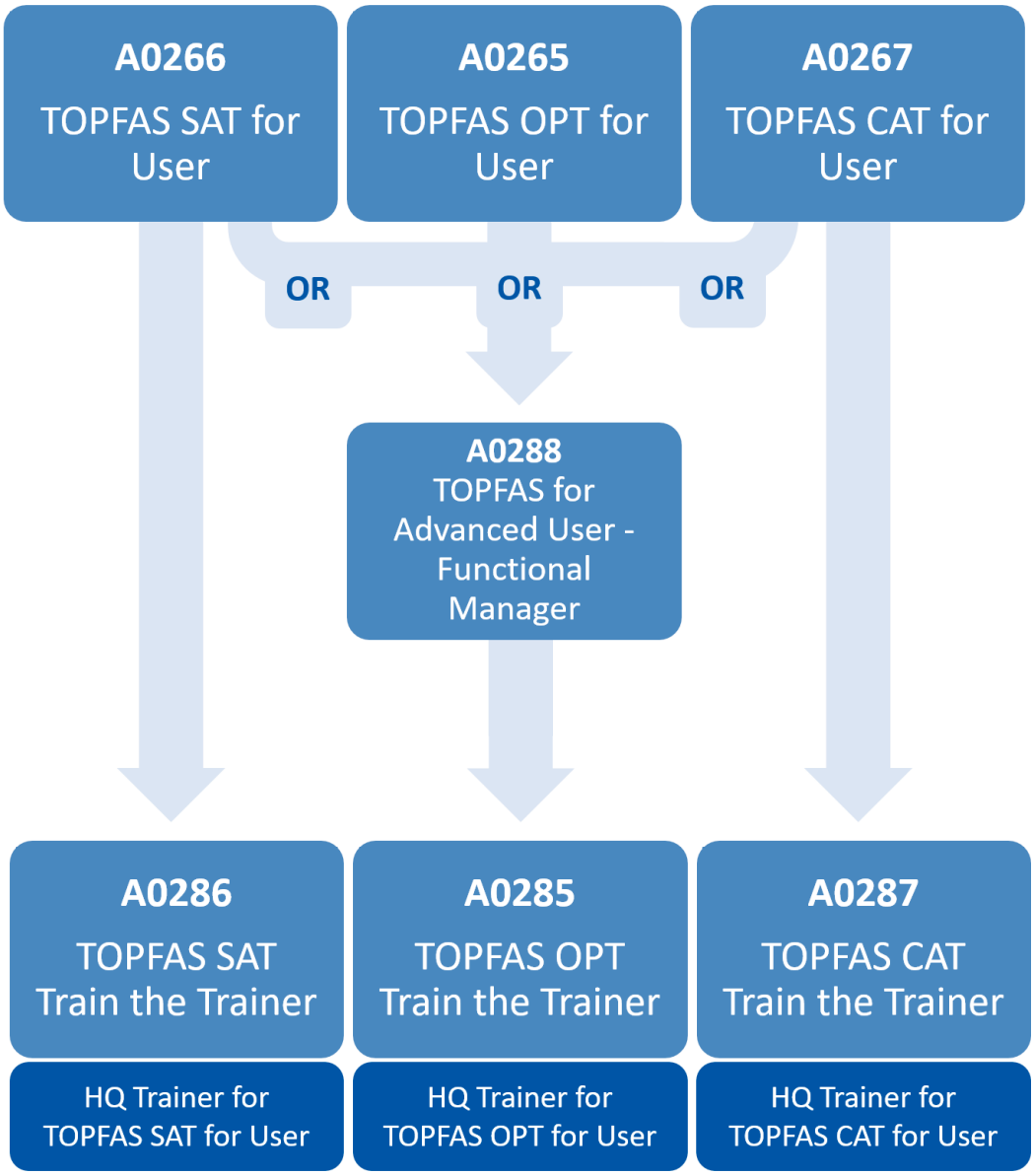
Annex 6.1: Crypto



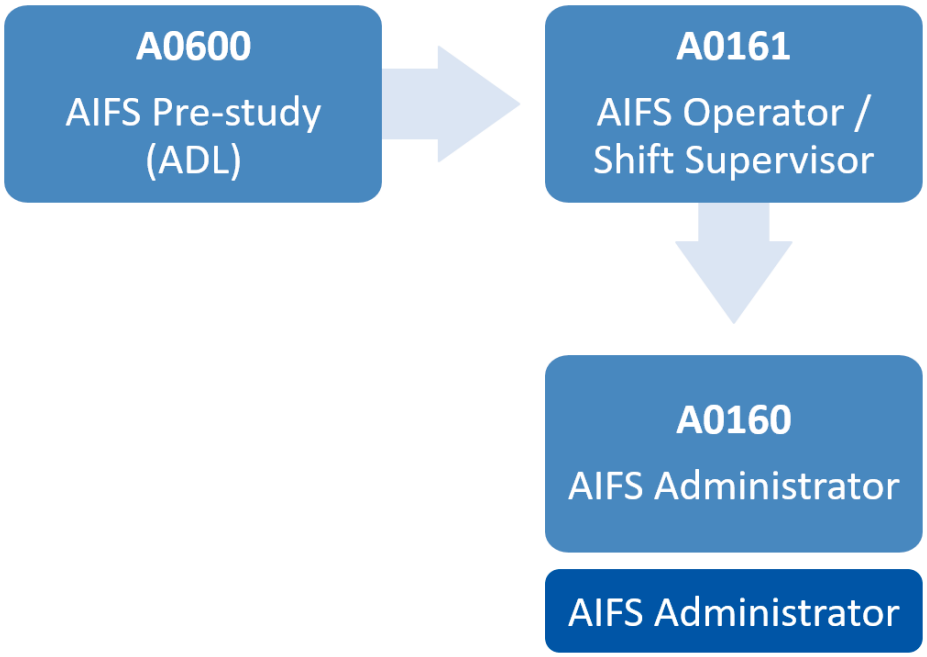
Annex 6.2: Cyber defence



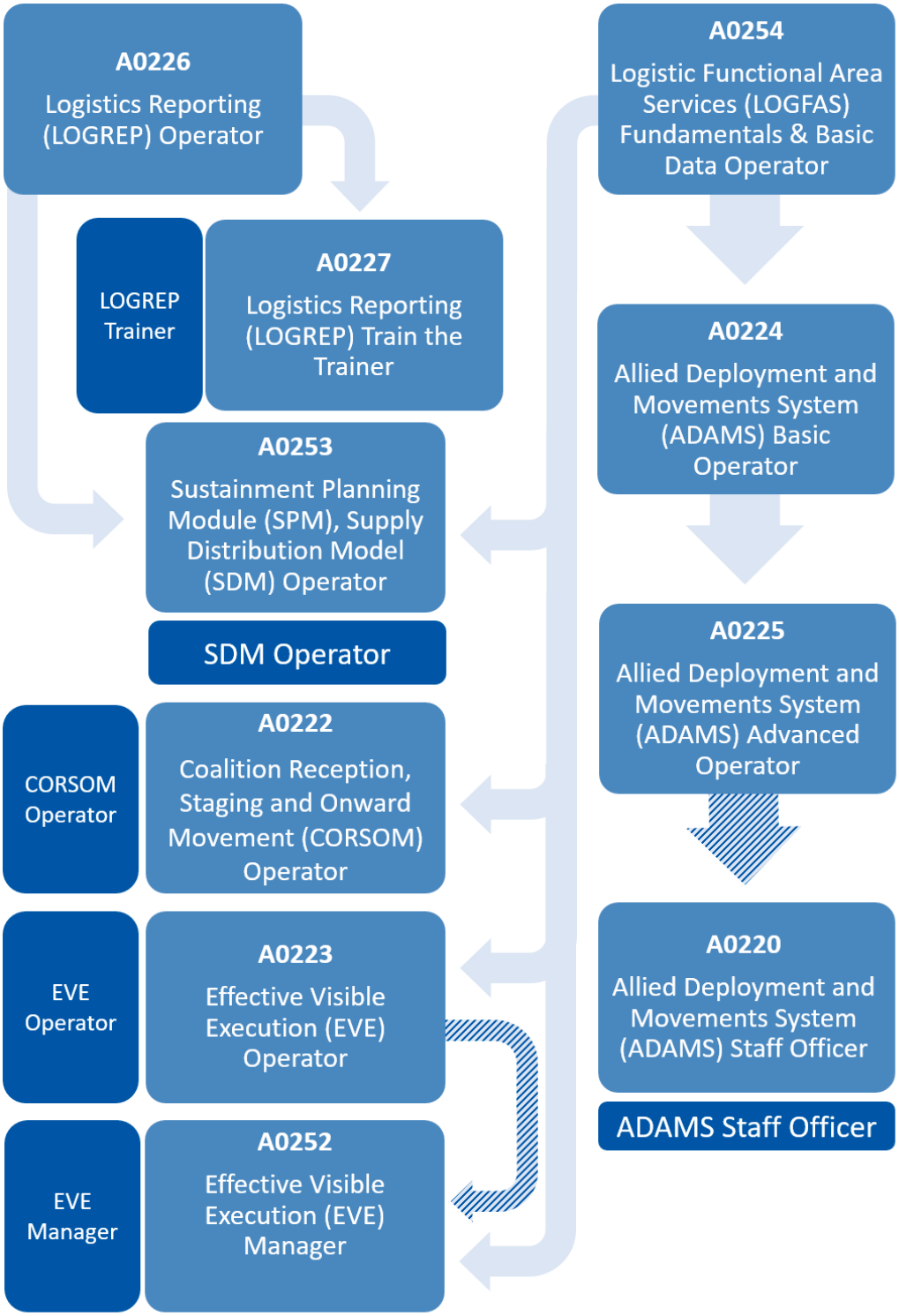
Annex 6.3: TOPFAS



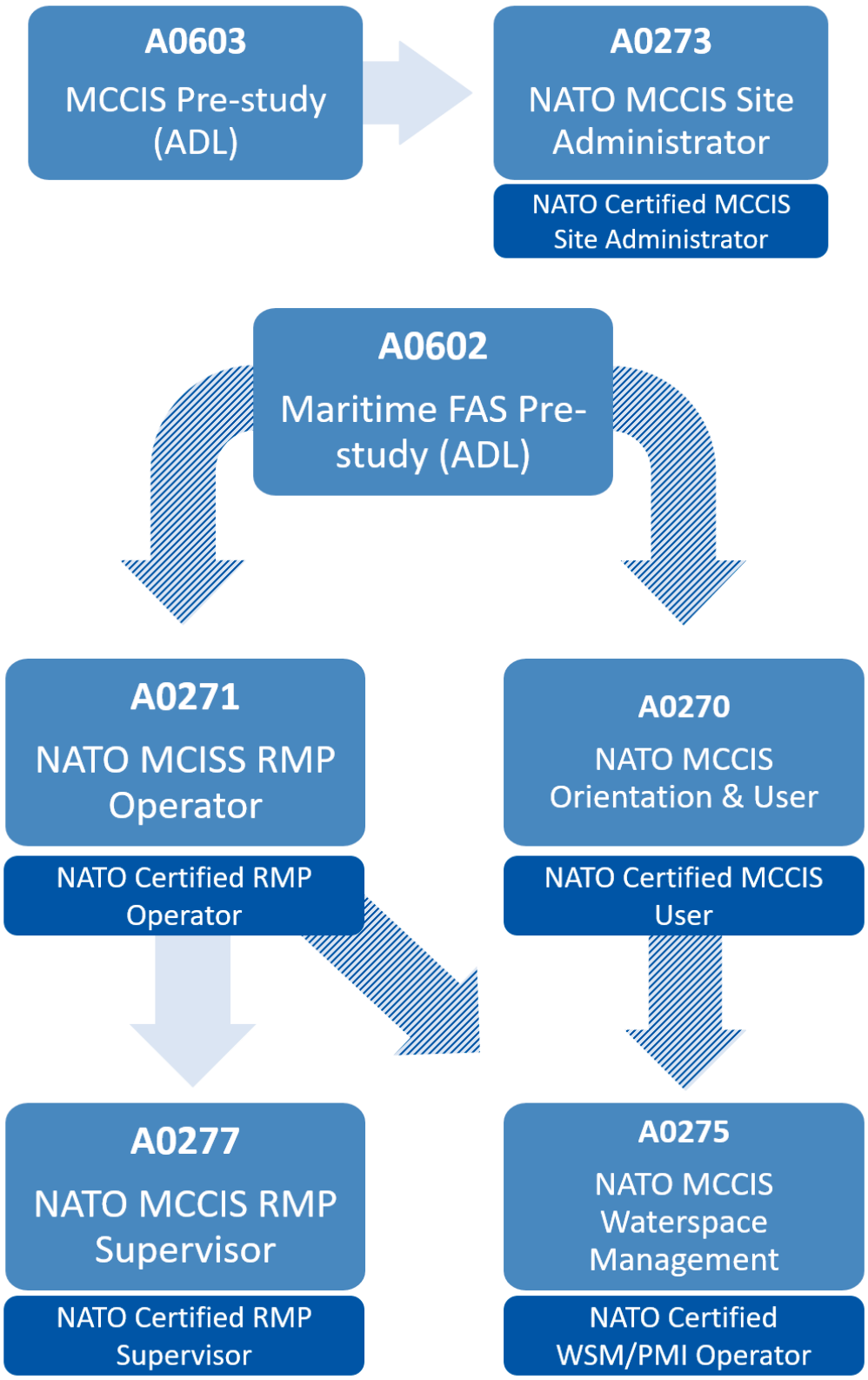
Annex 6.4: AIFS



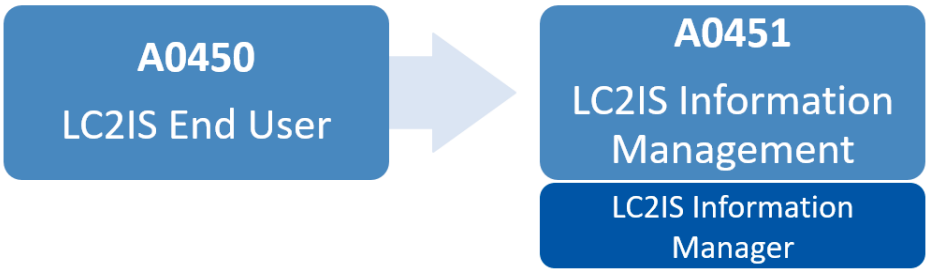
Annex 6.5: LOGFAS



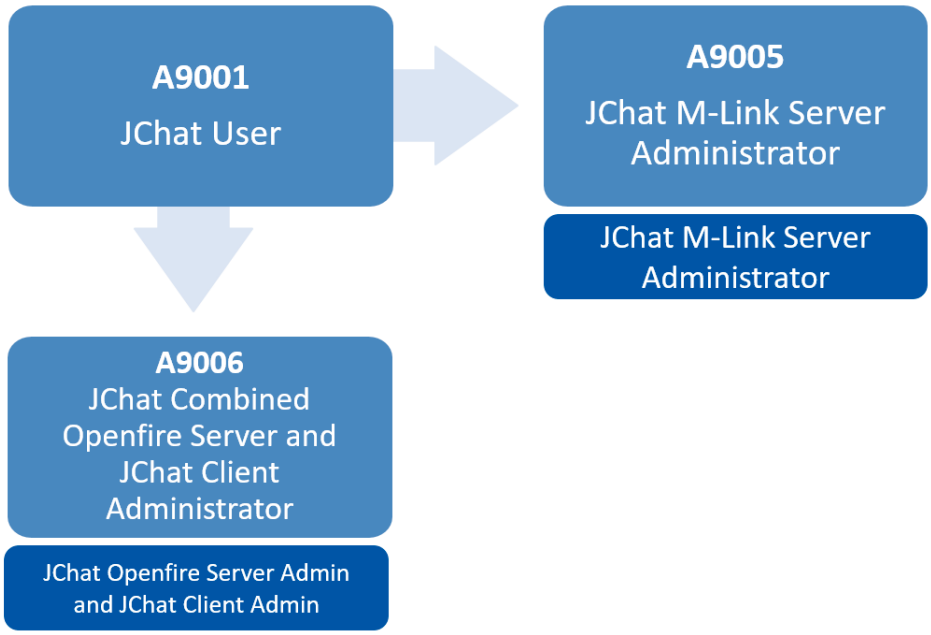
Annex 6.6: MCCIS



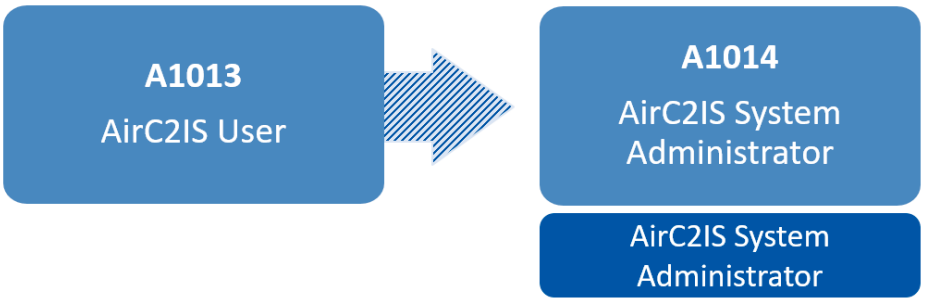
Annex 6.7: LC2IS



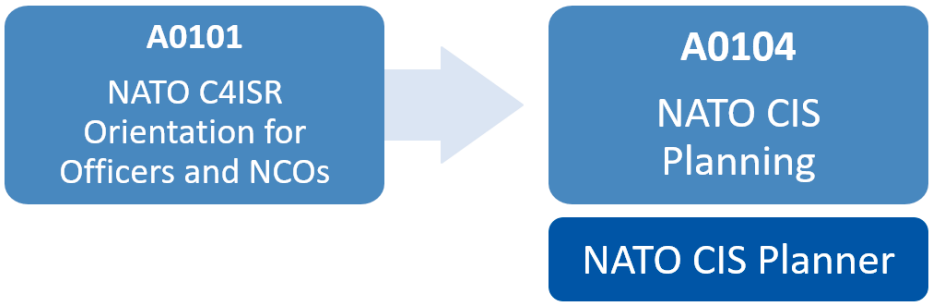
Annex 6.8: JCHAT



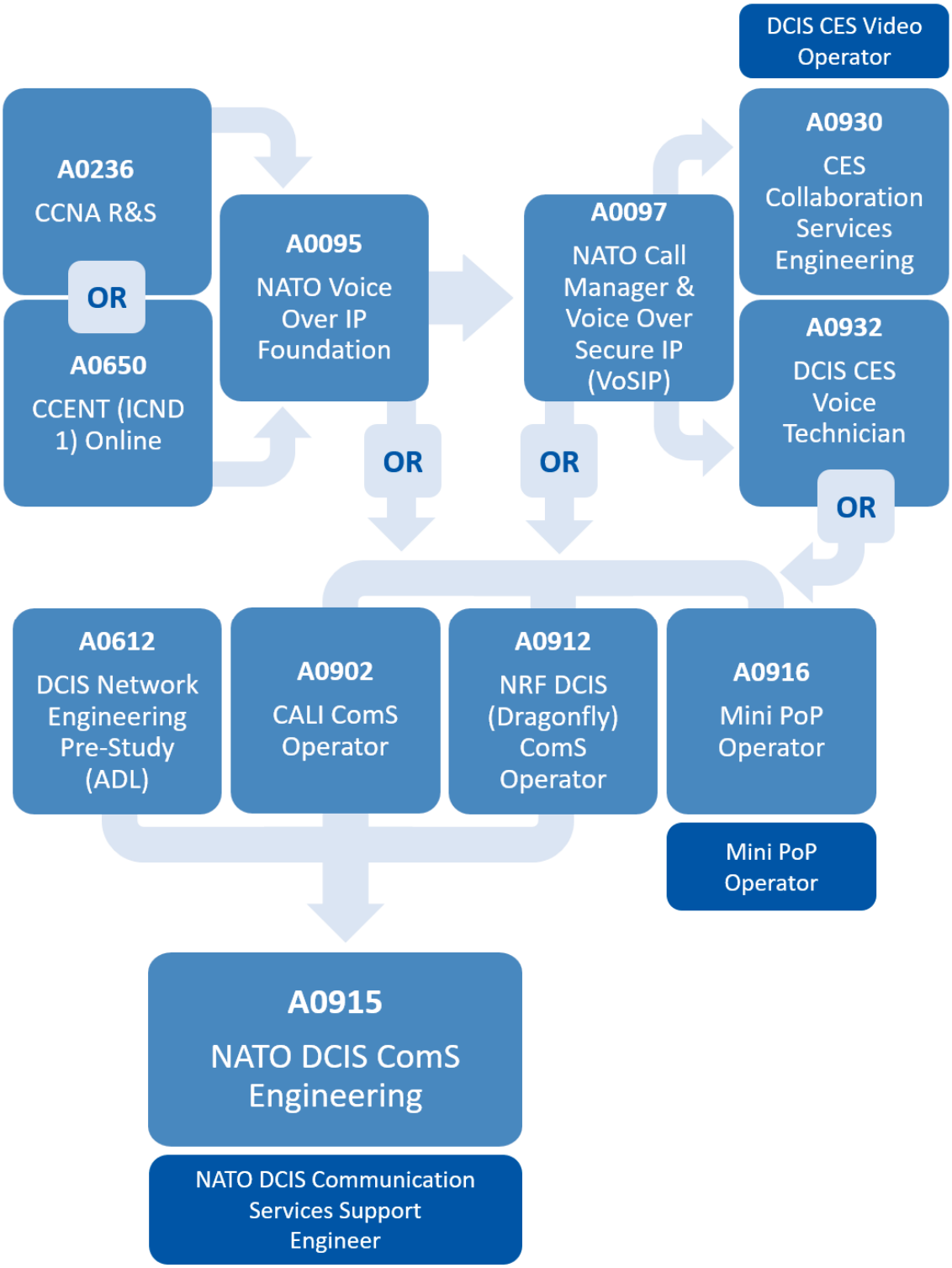
Annex 6.9: AIRC2IS



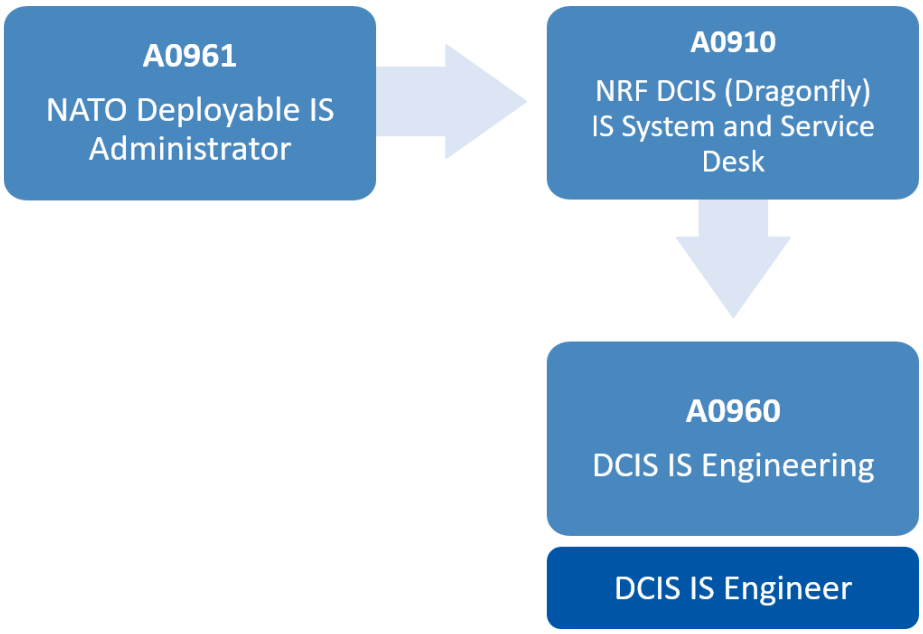
Annex 6.10: C4ISR -Planner



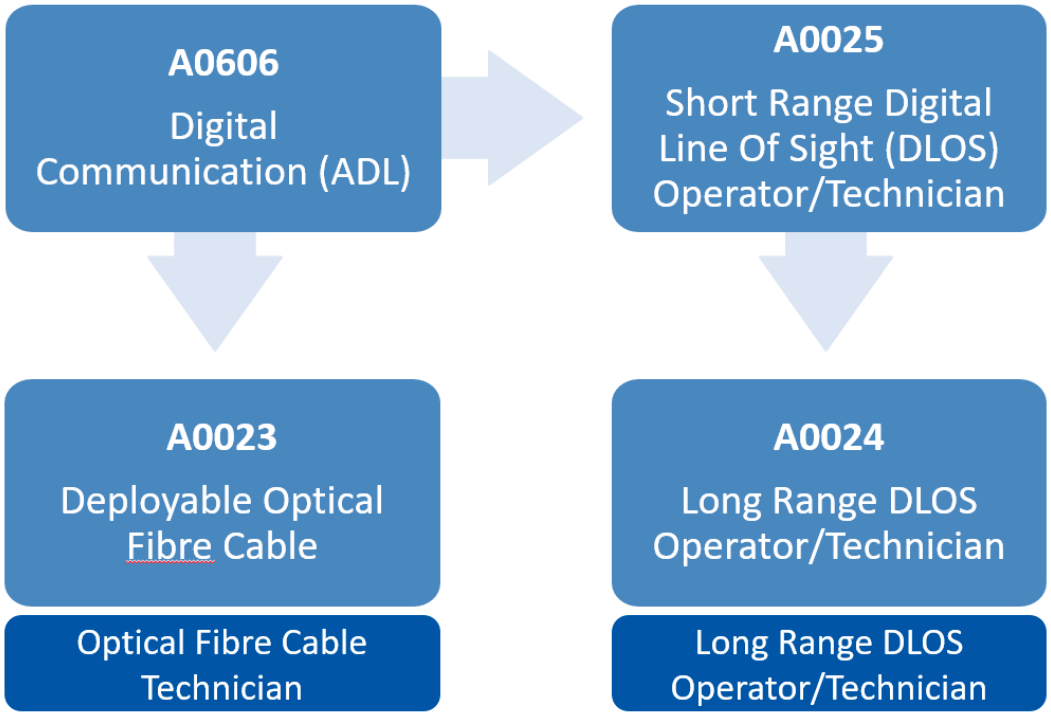
Annex 6.11: DCIS COMS



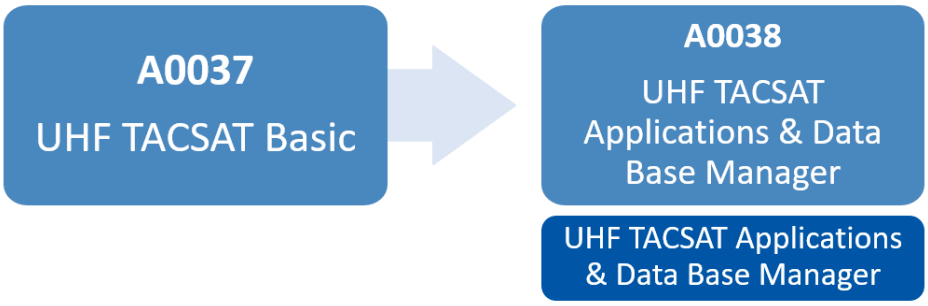
Annex 6.12: DCIS IS



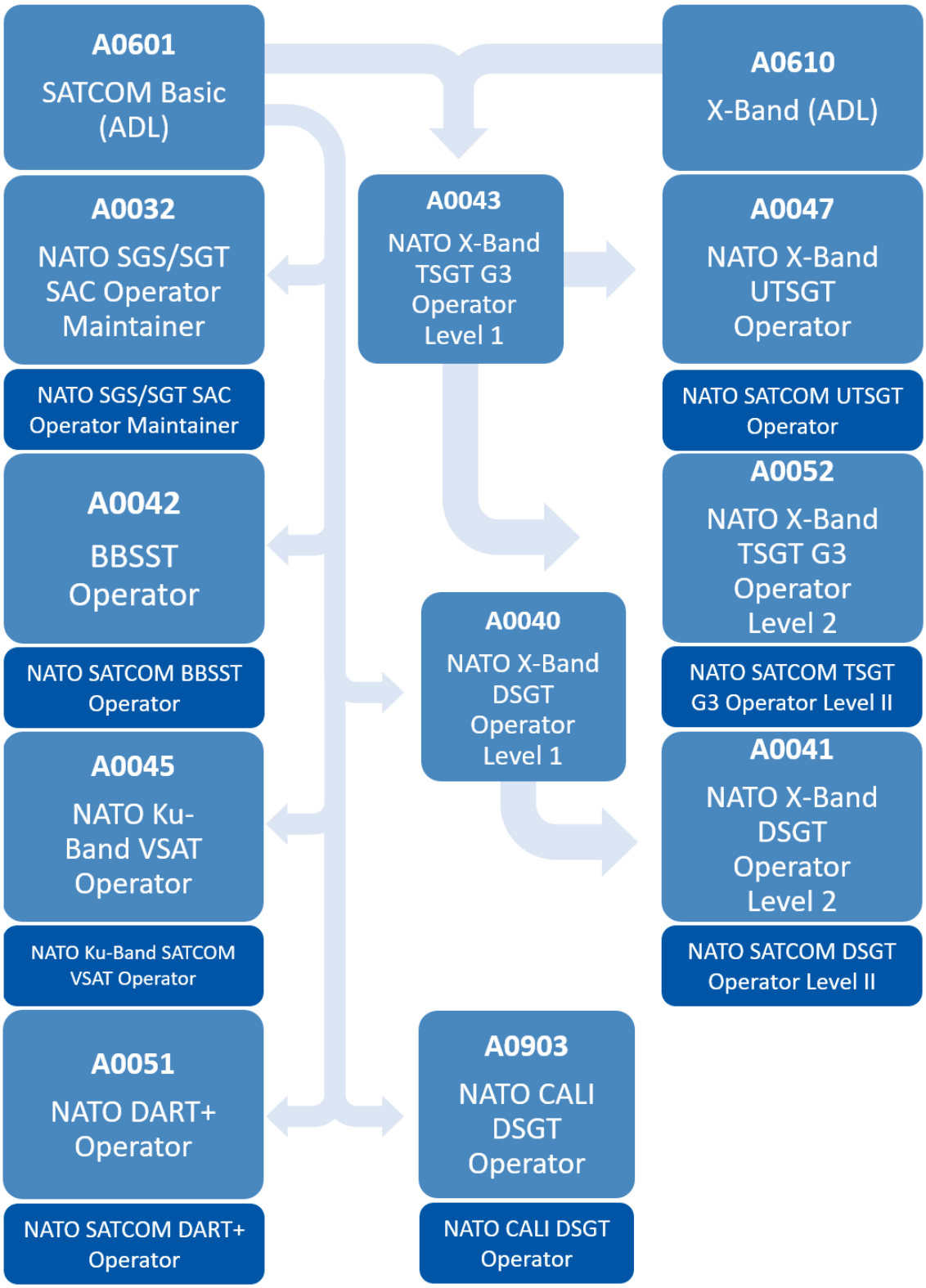
Annex 6.13: FIBRE – DLOS



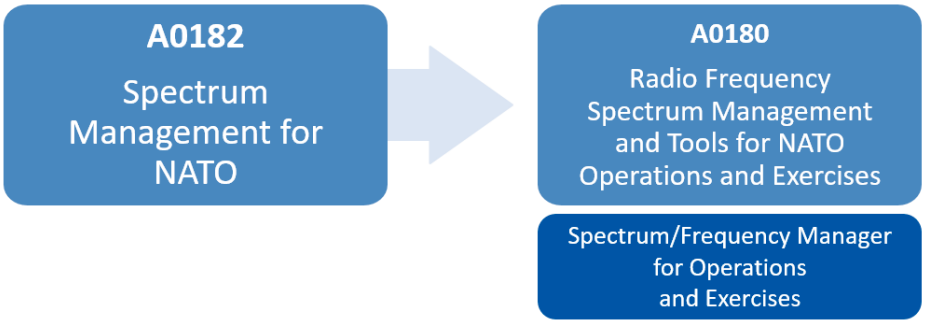
Annex 6.14: UHF – TACSAT



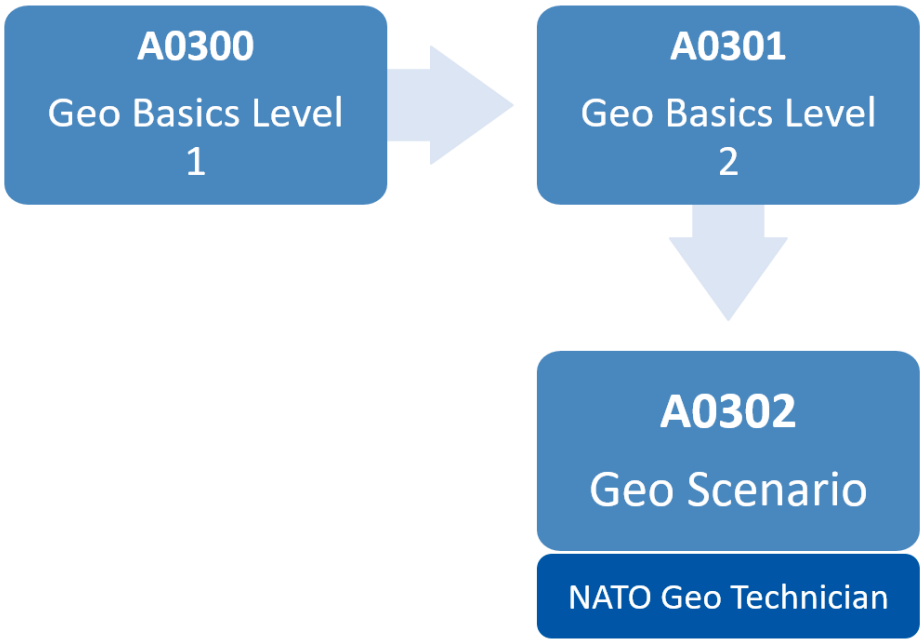
Annex 6.15: SATCOM



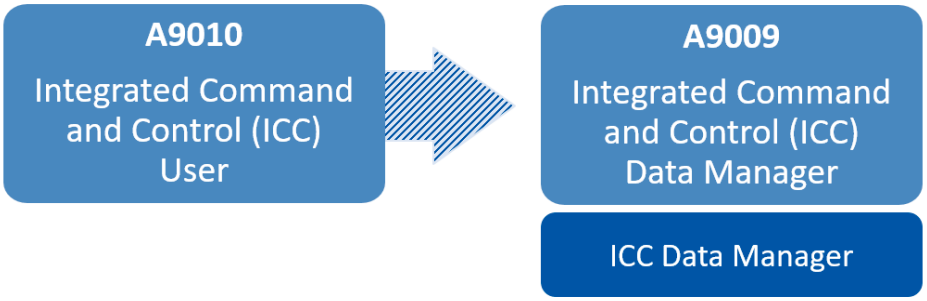
Annex 6.16: SPECTRUM MANAGEMENT



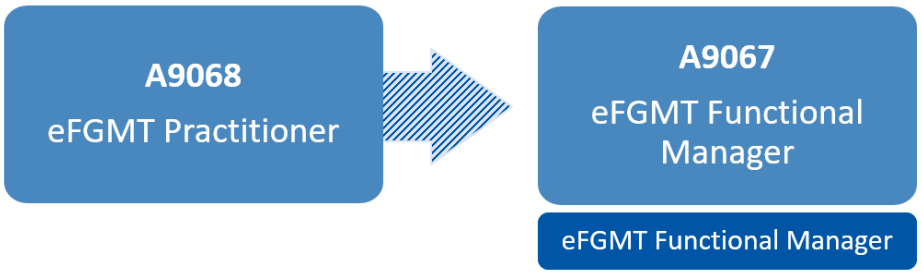
Annex 6.17: GEO



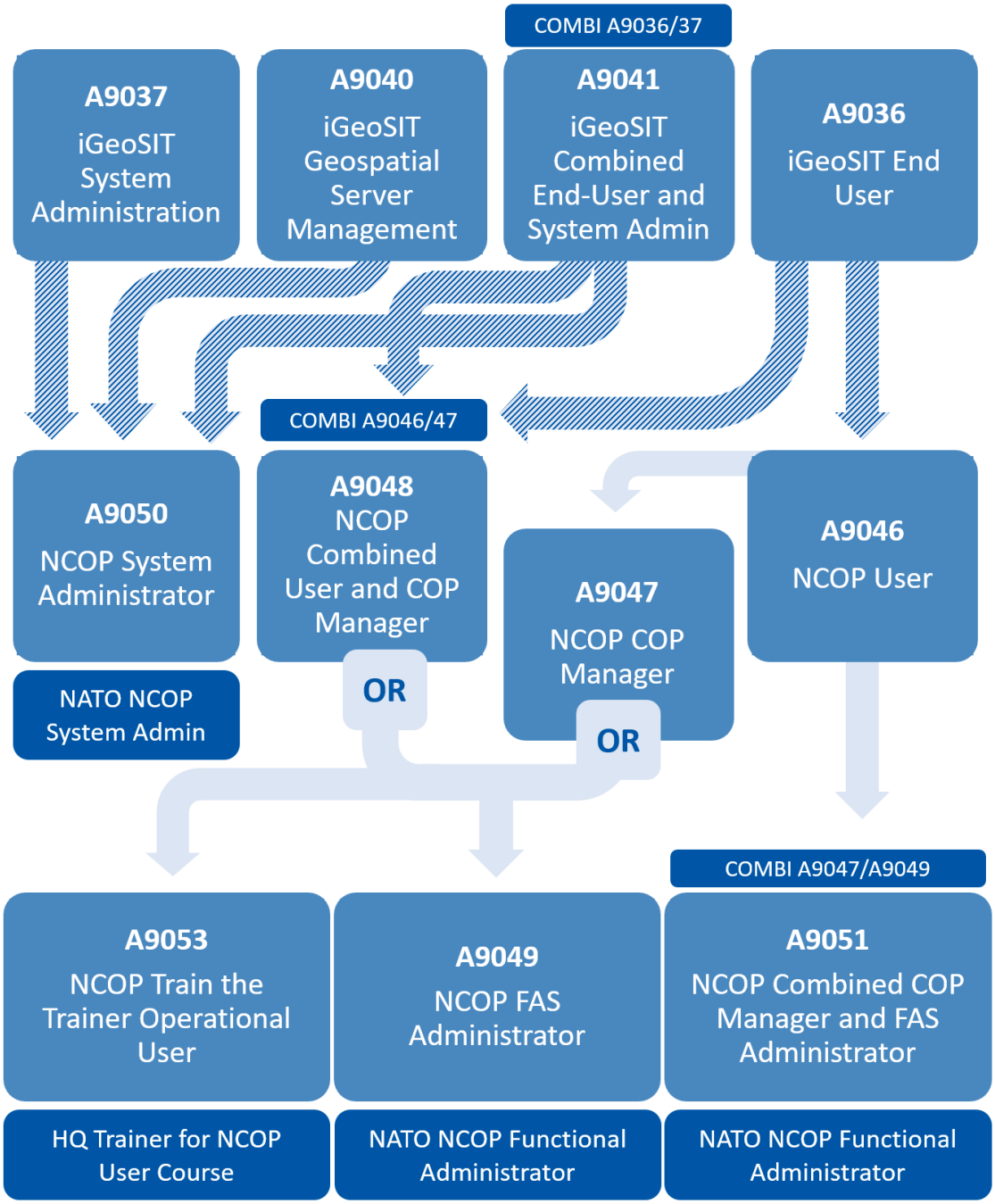
Annex 6.18: ICC



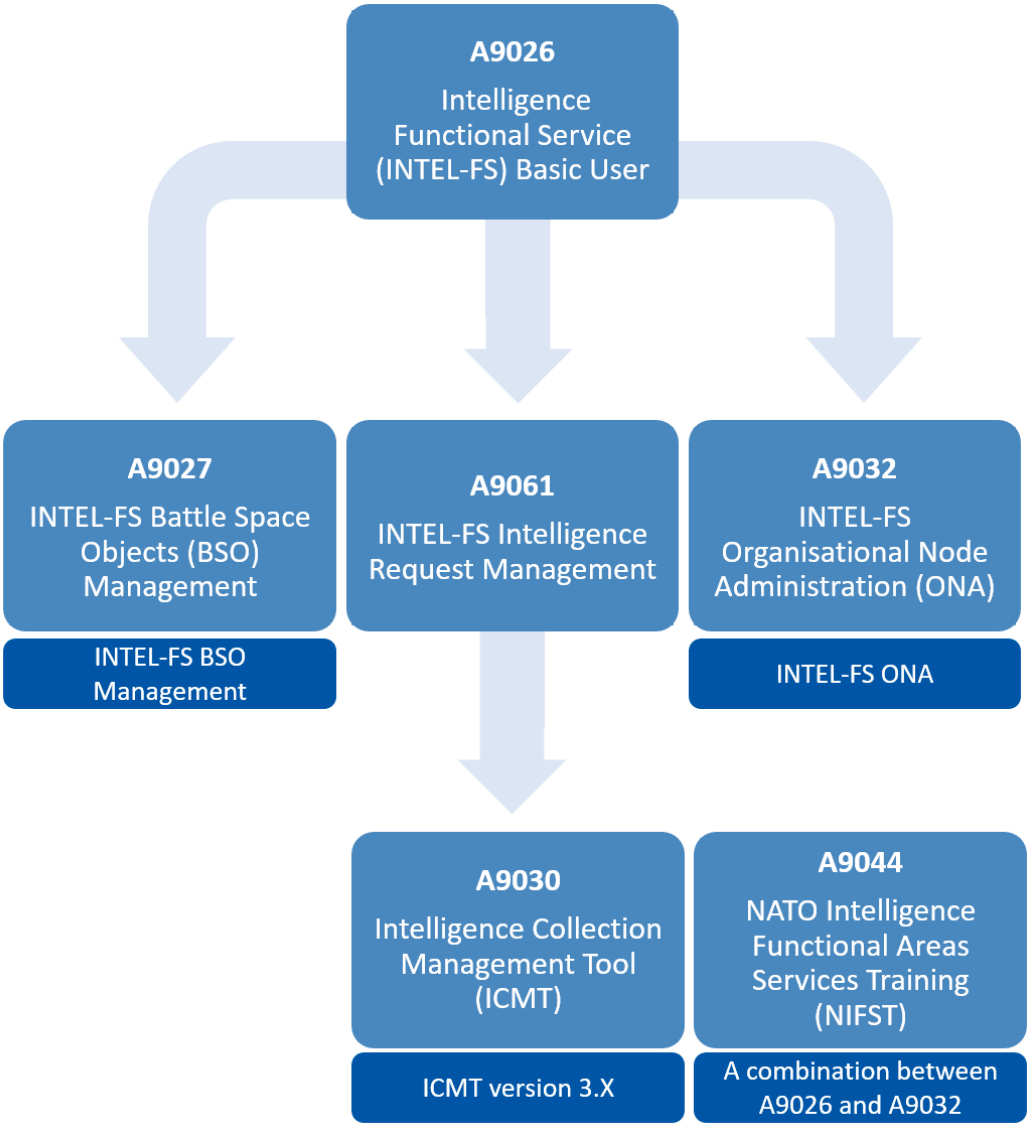
Annex 6.19: EFGMT



Annex 6.20 IGEOSIT - NCOP



Annex 6.21: Intelligence



Course Index

Sorted by Course ID

Course ID	Title	Location	Course Length
A0004	Crypto Administration	Oeiras (PRT)	5
A0006	CARDS for NATO Crypto Custodian	Oeiras (PRT)	5
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
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 Deployable Satellite Ground Terminal (DSGT) Operator Level 2	Oeiras (PRT)	5
A0042	Bi-Band Suitcase Satellite Terminal (BBSST) Operator	Oeiras (PRT)	5
A0043	NATO X-Band Transportable Satellite Ground Terminal (TSGT) Generation 3 (G3) Operator Level 1	Oeiras (PRT)	10
A0045	NATO Ku-Band Very Small Aperture Terminal (VSAT) Operator	Oeiras (PRT)	5
A0047	NATO X-Band Upgraded Transportable Satellite Ground Terminal (UTSGT) Operator	MTT	5
A0048	NNCCRS SSO/ADMIN	Oeiras (PRT)	5
A0050	HF Operator	Oeiras (PRT)	10
A0051	NATO Dual-band Auto-pointing Rapid-deployable Terminal (DART+) Operator	MTT	5
A0052	NATO X-Band Transportable Satellite Ground Terminal Generation 3 (TSGT G3) Operator Level 2	Oeiras (PRT)	5
A0056	NATO TLK/ILK Operator	MTT	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 and NCOs	Oeiras (PRT)	5
A0104	NATO CIS Planning	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
A0182	Spectrum Management for NATO	Oeiras (PRT)	5
A0188	Spectrum Management Basics (SMB)	Oeiras (PRT)	10
A0191	Spectrum Management Intermediate (SMI)	Oeiras (PRT)	10
A0192	Spectrum Management Advanced (SMA)	Oeiras (PRT)	10
A0193	Spectrum XXI Basics (SXXIB)	Oeiras (PRT)	10
A0194	Spectrum XXI Intermediate (SXXII)	Oeiras (PRT)	10
A0195	Spectrum XXI Advanced (SXXIA)	Oeiras (PRT)	10
A0196	Spectrum Analyser Basics (SAB)	Oeiras (PRT)	10
A0197	Spectrum Analyser Intermediate (SAI)	Oeiras (PRT)	10
A0198	Spectrum Analyser Advanced (SAA)	Oeiras (PRT)	10
A0220	Allied Deployment and Movements System (ADAMS) Staff Officer (LOGFAS Vs 6.5.0)	Oeiras (PRT)	5
A0222	Coalition Reception, Staging and Onward Movement (CORSOM) Operator (LOGFAS Vs 6.5.0)	Oeiras (PRT)	5
A0223	Effective Visible Execution (EVE) Operator (LOGFAS Vs 6.5.0)	Oeiras (PRT)	5
A0224	Allied Deployment and Movements System (ADAMS) Basic Operator (LOGFAS Vs 6.5.0)	Oeiras (PRT)	10
A0225	Allied Deployment and Movements System (ADAMS) Advanced Operator (LOGFAS Vs 6.5.0)	Oeiras (PRT)	5
A0226	Logistics Reporting (LOGREP) Operator (LOGFAS Vs 6.5.0)	Oeiras (PRT)	5

Course Index

Sorted by Course ID

Course ID	Title	Location	Course Length
A0227	Logistics Reporting (LOGREP) Train the Trainer (LOGFAS Vs 6.5.0)	Oeiras (PRT)	5
A0236	NATO Networking Infrastructure - CCNA (Cisco Certified Networking Associate) R&S	Oeiras (PRT)	25
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 (LOGFAS Vs 6.5.0)	Oeiras (PRT)	5
A0252	Effective Visible Execution (EVE) Manager (LOGFAS Vs 6.5.0)	Oeiras (PRT)	5
A0253	Sustainment Planning Module (SPM), Supply Distribution Model (SDM) Operator (LOGFAS Vs 6.5.0)	Oeiras (PRT)	5
A0254	Logistic Functional Area Services (LOGFAS) Fundamentals & Basic Data Operator (LOGFAS Vs 6.5.0)	Oeiras (PRT)	5
A0255	Logistic Functional Area Services (LOGFAS) System Administrator and Manager (LOGFAS Vs 6.5.0)	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
A0310	Core GIS Servers	Oeiras (PRT)	5
A0450	LC2IS End User (JADL ID 358)	Oeiras (PRT)	5
A0451	LC2IS Information Management	Oeiras (PRT)	5
A0600	AIFS Pre-study (JADL ID 106)	Self-paced Online	1
A0601	SATCOM Basic (JADL ID 048)	Self-paced Online	1
A0602	Maritime FAS Pre-study (JADL ID 013)	Self-paced Online	1
A0603	MCCIS Pre-study (JADL ID 014)	Self-paced Online	1
A0606	Digital Communication (JADL ID 113)	Self-paced Online	1
A0607	Public Key Infrastructure Pre-study (JADL ID 114)	Self-paced Online	1
A0609	MCCIS Advanced (JADL ID 031)	Self-paced Online	1
A0612	DCIS Network Engineering Pre-study (JADL ID 366)	Self-paced Online	1
A0613	Dragonfly Familiarization (JADL ID 361)	Self-paced Online	1
A0650	Cisco On-Line CCNA Module 1. - Introduction to Networks (ITN)	Remote only	20
A0740	CISCO Cybersecurity Fundamentals	Oeiras (PRT)	5
A0741	CISCO Cyber Security Operations	Oeiras (PRT)	5
A0758	Cyber-Intelligence and Situational Awareness	Oeiras (PRT)	5
A0759	Protection of Critical Infrastructures and Systems	Oeiras (PRT)	5
A0765	Digital Leadership and Team Management	Oeiras (PRT)	5

Course Index

Sorted by Course ID

Course ID	Title	Location	Course Length
A0901	CALI IS Administrator	Oeiras (PRT)	10
A0902	CALI ComS Operator	Oeiras (PRT)	10
A0903	NATO CALI X-Band Deployable Satellite Ground Terminal (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
A0932	DCIS CES Voice Technician	Oeiras (PRT)	5
A0961	NATO Deployable IS Administrator	Oeiras (PRT)	10
A0970	NATO CIS Technical Instructor	Oeiras (PRT)	5
A0971	Methods of CIS Course Development for NATO	Oeiras (PRT)	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	MTT	10
A1006	NISP System Administrator	Oeiras (PRT)	5
A1007	JTS/FAST System Administrator	Oeiras (PRT)	5
A1008	ACCS-ICC Interface Administration	Oeiras (PRT)	5
A1010	ASIM System Administrator	Oeiras (PRT)	3
A1011	MASE - MICE CONSOLE MIGRATION (MMC)	Oeiras (PRT)	5
A1012	NIRIS SYSTEM ADMINISTRATOR	Oeiras (PRT)	5
A1013	AirC2IS User	Oeiras (PRT)	5
A1014	AirC2IS System Administrator	Oeiras (PRT)	5
A1015	Integrated Training Capability (ITC) Technical Control Officer (TCO)	The Hague (NLD)	5
A1016	ACCS Data Manager	Oeiras (PRT)	5
A1028	NIRIS SYSTEM ADMINISTRATOR UPDATE (NIR-UP)	MTT	2
A2501	SHAPE IM Foundation	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
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), Oeiras (PRT)	5

Course Index

Sorted by Course ID

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), Oeiras (PRT)	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
A3014	COBIT 5 Foundation	Mons (BEL)	3
A3019	Microsoft Project Introduction	Mons (BEL)	3
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
A3027	Vulnerability Assessment Training: Protecting Your Organisation	Mons (BEL)	4
A3028	Project Management Training: Skills for Success	Mons (BEL)	4
A3030	Influence Skills Training: Getting Results without Direct Authority	Mons (BEL)	4
A3034	Certified Information Systems Security Professional (CISSP) Certification Exam Preparation	Mons (BEL)	5
A3036	Introduction to Cloud Computing	Mons (BEL)	3
A3039	McAfee VirusScan and ePolicy Administrator	Mons (BEL)	4
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
A3045	Introduction to SQL Language	Mons (BEL)	3
A3046	Network Configuration and Troubleshooting	Mons (BEL)	4
A3048	Defending the Perimeter from Cyber Attacks	Mons (BEL)	4
A3049	Endpoint Security and Network Access Control	Mons (BEL)	4
A3064	Planning and Administering SharePoint 2016	Mons (BEL)	5
A3065	Advanced Solutions of Microsoft Exchange Server 2013	Mons (BEL)	5
A3067	Administering Microsoft SQL Server 2014 Databases	Mons (BEL)	5
A3076	ISTQB Certified Tester: Foundation Certification Exam Prep	Mons (BEL)	3
A3079	VMware vSphere: Install, Configure, Manage (V6.7)	Mons (BEL)	5
A3080	Preparing for TOGAF Certification	Mons (BEL)	4
A3082	CA Spectrum r10.1: Foundations 200	Mons (BEL)	5
A3084	Certified in Risk and Information Systems Control (CRISC) Exam Preparation	Mons (BEL)	4
A3085	Cyber Security Risk Assessment & Management	Mons (BEL)	4
A3088	McAfee Data Loss Prevention Endpoint Administration (11.0)	Mons (BEL)	4
A3090	Lean Six Sigma: Yellow Belt	Mons (BEL)	2
A3092	Management of Risk: Foundation & Practitioner	Mons (BEL)	5
A3094	ISTQB Advanced Test Manager Certificate	Mons (BEL)	5
A3096	Lean Six Sigma: Green Belt	Mons (BEL)	5
A3097	Virtualization Technologies Introduction	Mons (BEL)	4
A3098	Security Essentials Bootcamp Style Self Study Online	Self-paced Online	6
A3106	Windows 10 Client: Installation & Configuration	Mons (BEL)	5

Course Index

Sorted by Course ID

Course ID	Title	Location	Course Length
A3107	Microsoft Networking and Security Fundamentals	Mons (BEL)	5
A3108	Managing MDT Client Deployments in a Microsoft Windows Server Environment	Mons (BEL)	3
A3109	Implementing an Advanced Server Infrastructure	Mons (BEL)	5
A3111	Firewall: Optimizing Firewall Threat Prevention	Mons (BEL)	4
A3112	Troubleshooting Active Directory Services with Windows Server Training	Mons (BEL)	5
A3113	CompTIA Network+	Mons (BEL)	5
A3114	Firewall Essentials: Configuration and Management	Mons (BEL)	5
A3115	Panorama 8.1: Manage Firewalls at Scale e-learning	Self-paced Online	1
A3116	Firewall 8.1. Essentials: Configuration and Management e-learning	Self-paced Online	1
A3118	Networks Panorama 8.1: Managing Firewalls at Scale	Mons (BEL)	2
A3119	Firewall 8.1: Troubleshooting	Mons (BEL)	3
A3121	Administering the Web Server (IIS) Roles of Windows Server	Mons (BEL)	5
A3123	PostgreSQL Administration	Mons (BEL)	5
A3124	Microsoft Windows PowerShell for Administrators	Mons (BEL)	4
A3125	SANS Securing Windows and PowerShell Automation	Remote only	6
A3126	SANS Advanced Security Essentials - Enterprise Defender	Remote only	6
A3127	ITIL 4 Specialist: High Velocity IT Training	Mons (BEL)	3
A3128	ITIL 4 Specialist: Drive Stakeholder Value Training	Mons (BEL)	3
A3129	ITIL 4 Strategist: Direct, Plan and Improve Training	Mons (BEL)	3
A3130	ITIL 4 Specialist: Create, Deliver and Support Training	Mons (BEL)	3
A3131	ITIL 4 Managing Professional (MP) Transition Module	Mons (BEL)	5
A3132	McAfee ePolicy Orchestrator Administration (5.9)	Mons (BEL)	4
A3133	McAfee Endpoint Security 10.x Administration	Mons (BEL)	4
A3134	Administering Microsoft Exchange Server 2016/2019	Mons (BEL)	5
A3135	Implementing and Operating Cisco Enterprise Network Core Technologies (ENCOR)	Mons (BEL)	5
A3136	Implementing and Administering Cisco Solutions (CCNA)	Mons (BEL)	5
A3138	Computer Forensics Bootcamp	Mons (BEL)	5
A4000	CCT200 SATCOM Terminal NATO Mission Iraq (NMI) Operator	Luxembourg (LUX)	3
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
A9005	JChat M-Link Server Administrator	Oeiras (PRT)	3
A9006	JChat Combined Openfire Server and JChat Client Administrator	Oeiras (PRT)	4
A9007	NATO Land Command and Control Information Services (LC2IS) System Administrator	Oeiras (PRT)	4.5
A9008	Functional Area Service for dynamic and time-sensitive Targeting (FAST) User	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
A9014	NATO Use of IBM Analyst-s Notebook User	Oeiras (PRT)	3
A9015	J2X Intelligence Systems	MTT	2
A9026	Intelligence Functional Service (INTEL-FS) Basic User	MTT	2
A9027	Intelligence Functional Service (INTEL-FS) Battle Space Objects (BSO) Management	MTT	1
A9030	Intelligence Collection Management Tool (ICMT)	MTT	2.5
A9032	Intelligence Functional Service (INTEL-FS) Organisational Node Administration (ONA)	MTT	0.5
A9033	JOCWatch User	The Hague (NLD)	0.5

Course Index

Sorted by Course ID

Course ID	Title	Location	Course Length
A9034	JOCWatch Maintainer	The Hague (NLD)	0.5
A9035	JOCWatch Administrator	Oeiras (PRT)	4
A9036	iGeoSIT End User	Oeiras (PRT)	2
A9037	iGeoSIT System Administration	Oeiras (PRT)	4
A9039	Allied Command Europe Open Source System (AOSS)	MTT	0.5
A9041	iGeoSIT Combined End-User and System Administration	The Hague (NLD)	5
A9044	NATO Intelligence Functional Areas Services Training (NIFST)	MTT	4
A9045	Functional Areas Services (FAS) Operational Usage Overview	MTT	4
A9046	NATO Common Operational Picture (NCOP) User	Oeiras (PRT)	3
A9061	Intelligence Functional Service (INTEL-FS) Intelligence Request Management	MTT	0.5
A9064	Intelligence Functional Service (INTEL-FS) System Administrator	Mons (BEL)	3
A9065	Functional Areas Services (FAS) Level 1 Support Workshop: Group D, E	Mons (BEL)	2
A9067	eFGMT Functional Manager	MTT	2
A9068	eFGMT Practitioner	MTT	3
A9070	ITSM Overview	Mons (BEL)	0.5
A9071	ITSM-Operational Processes (Incident and Problem Management)	Mons (BEL)	1
A9072	ITSM-Transitional Processes (Request Fulfilment and Change Management)	Mons (BEL)	1
A9073	JTS/FAST Combined User	Oeiras (PRT)	5

Course Index

Sorted by Discipline

Course ID	Title	Discipline
A1004	ACCS Communication Manager	Air Operations (Air Ops)
A1016	ACCS Data Manager	Air Operations (Air Ops)
A1003	ACCS Security Officer	Air Operations (Air Ops)
A1002	ACCS System Manager	Air Operations (Air Ops)
A1008	ACCS-ICC Interface Administration	Air Operations (Air Ops)
A1014	AirC2IS System Administrator	Air Operations (Air Ops)
A1013	AirC2IS User	Air Operations (Air Ops)
A1010	ASIM System Administrator	Air Operations (Air Ops)
A1000	Combined NISP ICC System Administrator (CNIC)	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)
A1015	Integrated Training Capability (ITC) Technical Control Officer (TCO)	Air Operations (Air Ops)
A1007	JTS/FAST System Administrator	Air Operations (Air Ops)
A1011	MASE - MICE CONSOLE MIGRATION (MMC)	Air Operations (Air Ops)
A1012	NIRIS SYSTEM ADMINISTRATOR	Air Operations (Air Ops)
A1028	NIRIS SYSTEM ADMINISTRATOR UPDATE (NIR-UP)	Air Operations (Air Ops)
A1006	NISP System Administrator	Air Operations (Air Ops)
A1001	Windows ICC System Administrator (WICC)	Air Operations (Air Ops)
A0600	AIFS Pre-study (JADL ID 106)	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)
A0042	Bi-Band Suitcase Satellite Terminal (BBSST) Operator	Consultation, Command and Control (CCC)
A0902	CALI ComS Operator	Consultation, Command and Control (CCC)
A0901	CALI IS Administrator	Consultation, Command and Control (CCC)
A0006	CARDS for NATO Crypto Custodian	Consultation, Command and Control (CCC)
A4000	CCT200 SATCOM Terminal NATO Mission Iraq (NMI) Operator	Consultation, Command and Control (CCC)
A0650	Cisco On-Line CCNA Module 1. - Introduction to Networks (ITN)	Consultation, Command and Control (CCC)
A0004	Crypto Administration	Consultation, Command and Control (CCC)
A0932	DCIS CES Voice Technician	Consultation, Command and Control (CCC)
A0612	DCIS Network Engineering Pre-study (JADL ID 366)	Consultation, Command and Control (CCC)
A0023	Deployable Optical Fibre Cable	Consultation, Command and Control (CCC)
A0606	Digital Communication (JADL ID 113)	Consultation, Command and Control (CCC)
A0613	Dragonfly Familiarization (JADL ID 361)	Consultation, Command and Control (CCC)
A9045	Functional Areas Services (FAS) Operational Usage Overview	Consultation, Command and Control (CCC)
A0050	HF Operator	Consultation, Command and Control (CCC)
A9041	iGeoSIT Combined End-User and System Administration	Consultation, Command and Control (CCC)
A9037	iGeoSIT System Administration	Consultation, Command and Control (CCC)
A9006	JChat Combined Openfire Server and JChat Client Administrator	Consultation, Command and Control (CCC)
A9005	JChat M-Link Server Administrator	Consultation, Command and Control (CCC)
A9035	JOCWatch Administrator	Consultation, Command and Control (CCC)
A9034	JOCWatch Maintainer	Consultation, Command and Control (CCC)
A9033	JOCWatch User	Consultation, Command and Control (CCC)
A9073	JTS/FAST Combined User	Consultation, Command and Control (CCC)
A0024	Long Range DLOS Operator/Technician	Consultation, Command and Control (CCC)
A0602	Maritime FAS Pre-study (JADL ID 013)	Consultation, Command and Control (CCC)

Course Index

Sorted by Discipline

Course ID	Title	Discipline
A0609	MCCIS Advanced (JADL ID 031)	Consultation, Command and Control (CCC)
A0603	MCCIS Pre-study (JADL ID 014)	Consultation, Command and Control (CCC)
A0916	Mini PoP Operator	Consultation, Command and Control (CCC)
A0101	NATO C4ISR Orientation for Officers and NCOs	Consultation, Command and Control (CCC)
A0903	NATO CALI X-Band Deployable Satellite Ground Terminal (DSGT) Operator	Consultation, Command and Control (CCC)
A0097	NATO Call Manager & Voice over Secure IP (VoSIP)	Consultation, Command and Control (CCC)
A0104	NATO CIS Planning	Consultation, Command and Control (CCC)
A9046	NATO Common Operational Picture (NCOP) User	Consultation, Command and Control (CCC)
A0067	NATO COMSEC System Engineering	Consultation, Command and Control (CCC)
A0915	NATO DCIS ComS Engineering	Consultation, Command and Control (CCC)
A0961	NATO Deployable IS Administrator	Consultation, Command and Control (CCC)
A0051	NATO Dual-band Auto-pointing Rapid-deployable Terminal (DART+) Operator	Consultation, Command and Control (CCC)
A0244	NATO HD VTC Facilitator	Consultation, Command and Control (CCC)
A0045	NATO Ku-Band Very Small Aperture Terminal (VSAT) Operator	Consultation, Command and Control (CCC)
A0236	NATO Networking Infrastructure - CCNA (Cisco Certified Networking Associate) R&S	Consultation, Command and Control (CCC)
A0032	NATO SGS/SGT SAC Operator Maintainer	Consultation, Command and Control (CCC)
A0056	NATO TLK/ILK Operator	Consultation, Command and Control (CCC)
A0095	NATO Voice over IP Foundation	Consultation, Command and Control (CCC)
A0245	NATO VTC Control Centre Operator	Consultation, Command and Control (CCC)
A0041	NATO X-Band Deployable Satellite Ground Terminal (DSGT) Operator Level 2	Consultation, Command and Control (CCC)
A0040	NATO X-Band DSGT Operator Level 1	Consultation, Command and Control (CCC)
A0043	NATO X-Band Transportable Satellite Ground Terminal (TSGT) Generation 3 (G3) Operator Level 1	Consultation, Command and Control (CCC)
A0052	NATO X-Band Transportable Satellite Ground Terminal Generation 3 (TSGT G3) Operator Level 2	Consultation, Command and Control (CCC)
A0047	NATO X-Band Upgraded Transportable Satellite Ground Terminal (UTSGT) Operator	Consultation, Command and Control (CCC)
A0048	NNCCRS SSO/ADMIN	Consultation, Command and Control (CCC)
A0912	NRF DCIS (Dragonfly) ComS Operator	Consultation, Command and Control (CCC)
A0910	NRF DCIS (Dragonfly) IS System and Service Desk	Consultation, Command and Control (CCC)
A0607	Public Key Infrastructure Pre-study (JADL ID 114)	Consultation, Command and Control (CCC)
A0180	Radio Frequency Spectrum Management and Tools for NATO Operations and Exercises	Consultation, Command and Control (CCC)
A0601	SATCOM Basic (JADL ID 048)	Consultation, Command and Control (CCC)
A0025	Short Range DLOS Operator/Technician	Consultation, Command and Control (CCC)
A0198	Spectrum Analyser Advanced (SAA)	Consultation, Command and Control (CCC)
A0196	Spectrum Analyser Basics (SAB)	Consultation, Command and Control (CCC)
A0197	Spectrum Analyser Intermediate (SAI)	Consultation, Command and Control (CCC)
A0192	Spectrum Management Advanced (SMA)	Consultation, Command and Control (CCC)
A0188	Spectrum Management Basics (SMB)	Consultation, Command and Control (CCC)
A0182	Spectrum Management for NATO	Consultation, Command and Control (CCC)
A0191	Spectrum Management Intermediate (SMI)	Consultation, Command and Control (CCC)
A0195	Spectrum XXI Advanced (SXXIA)	Consultation, Command and Control (CCC)
A0193	Spectrum XXI Basics (SXXIB)	Consultation, Command and Control (CCC)
A0194	Spectrum XXI Intermediate (SXXII)	Consultation, Command and Control (CCC)
A0038	UHF TACSAT Applications & Data Base Manager	Consultation, Command and Control (CCC)
A0037	UHF TACSAT Basic	Consultation, Command and Control (CCC)
A0741	CISCO Cyber Security Operations	Cyberspace Operation (Cyber)

Course Index

Sorted by Discipline

Course ID	Title	Discipline
A0740	CISCO Cybersecurity Fundamentals	Cyberspace Operation (Cyber)
A0280	Cyber Defence NATO CIS Security Officer	Cyberspace Operation (Cyber)
A0758	Cyber-Intelligence and Situational Awareness	Cyberspace Operation (Cyber)
A0765	Digital Leadership and Team Management	Cyberspace Operation (Cyber)
A0759	Protection of Critical Infrastructures and Systems	Cyberspace Operation (Cyber)
A5004	JEMM Data Administrator	Education, Training, Exercises and Evaluation (ETEE)
A5006	Joint Exercise Management Module (JEMM) System Administrator	Education, Training, Exercises and Evaluation (ETEE)
A5002	MEL/MIL	Education, Training, Exercises and Evaluation (ETEE)
A0971	Methods of CIS Course Development for NATO	Education, Training, Exercises and Evaluation (ETEE)
A0970	NATO CIS Technical Instructor	Education, Training, Exercises and Evaluation (ETEE)
A5003	Training Objective Management Module (TOMM)	Education, Training, Exercises and Evaluation (ETEE)
A9039	Allied Command Europe Open Source System (AOSS)	Intelligence (Intel)
A0310	Core GIS Servers	Intelligence (Intel)
A0300	Geo Basics Level 1	Intelligence (Intel)
A0301	Geo Basics Level 2	Intelligence (Intel)
A0302	Geo Scenario	Intelligence (Intel)
A9036	iGeoSIT End User	Intelligence (Intel)
A9030	Intelligence Collection Management Tool (ICMT)	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)
A9061	Intelligence Functional Service (INTEL-FS) Intelligence Request Management	Intelligence (Intel)
A9032	Intelligence Functional Service (INTEL-FS) Organisational Node Administration (ONA)	Intelligence (Intel)
A9064	Intelligence Functional Service (INTEL-FS) System Administrator	Intelligence (Intel)
A9015	J2X Intelligence Systems	Intelligence (Intel)
A9044	NATO Intelligence Functional Areas Services Training (NIFST)	Intelligence (Intel)
A9014	NATO Use of IBM Analyst-s Notebook User	Intelligence (Intel)
A9008	Functional Area Service for dynamic and time-sensitive Targeting (FAST) User	Joint Targeting (Joint Targeting)
A9011	Joint Targeting System (JTS) User	Joint Targeting (Joint Targeting)
A0450	LC2IS End User (JADL ID 358)	Land Operations (Land Ops)
A0451	LC2IS Information Management	Land Operations (Land Ops)
A9007	NATO Land Command and Control Information Services (LC2IS) System Administrator	Land Operations (Land Ops)
A0225	Allied Deployment and Movements System (ADAMS) Advanced Operator (LOGFAS Vs 6.5.0)	Logistics (Log)
A0224	Allied Deployment and Movements System (ADAMS) Basic Operator (LOGFAS Vs 6.5.0)	Logistics (Log)
A0220	Allied Deployment and Movements System (ADAMS) Staff Officer (LOGFAS Vs 6.5.0)	Logistics (Log)
A0222	Coalition Reception, Staging and Onward Movement (CORSOM) Operator (LOGFAS Vs 6.5.0)	Logistics (Log)
A0223	Effective Visible Execution (EVE) Operator (LOGFAS Vs 6.5.0)	Logistics (Log)
A0252	Effective Visible Execution (EVE) Manager (LOGFAS Vs 6.5.0)	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)
A0254	Logistic Functional Area Services (LOGFAS) Fundamentals & Basic Data Operator (LOGFAS Vs 6.5.0)	Logistics (Log)
A0255	Logistic Functional Area Services (LOGFAS) System Administrator and Manager (LOGFAS Vs 6.5.0)	Logistics (Log)
A0251	Logistic Functional Areas Services (LOGFAS) Staff Officer (LOGFAS Vs 6.5.0)	Logistics (Log)

Course Index

Sorted by Discipline

Course ID	Title	Discipline
A0226	Logistics Reporting (LOGREP) Operator (LOGFAS Vs 6.5.0)	Logistics (Log)
A0227	Logistics Reporting (LOGREP) Train the Trainer (LOGFAS Vs 6.5.0)	Logistics (Log)
A0253	Sustainment Planning Module (SPM), Supply Distribution Model (SDM) Operator (LOGFAS Vs 6.5.0)	Logistics (Log)
A0270	NATO MCCIS Orientation & User	Maritime Operations (Mar Ops)
A0271	NATO MCCIS RMP Operator	Maritime Operations (Mar Ops)
A0277	NATO MCCIS RMP Supervisor	Maritime Operations (Mar Ops)
A0273	NATO MCCIS Site Administrator	Maritime Operations (Mar Ops)
A0275	NATO MCCIS Waterspace Management	Maritime Operations (Mar Ops)
A3134	Administering Microsoft Exchange Server 2016/2019	N/A
A3067	Administering Microsoft SQL Server 2014 Databases	N/A
A3121	Administering the Web Server (IIS) Roles of Windows Server	N/A
A3022	Administering Windows Server 2012	N/A
A3042	Advanced Automated Administration with PowerShell	N/A
A3065	Advanced Solutions of Microsoft Exchange Server 2013	N/A
A3043	Agile Project Management Training for Practitioner & Foundation Certification	N/A
A3041	Automating Administration with PowerShell	N/A
A3082	CA Spectrum r10.1: Foundations 200	N/A
A3025	Certified Ethical Hacker (CEH) Certification Exam Preparation	N/A
A3084	Certified in Risk and Information Systems Control (CRISC) Exam Preparation	N/A
A3034	Certified Information Systems Security Professional (CISSP) Certification Exam Preparation	N/A
A3014	COBIT 5 Foundation	N/A
A3113	CompTIA Network+	N/A
A3138	Computer Forensics Bootcamp	N/A
A3085	Cyber Security Risk Assessment & Management	N/A
A3048	Defending the Perimeter from Cyber Attacks	N/A
A3024	Deploying VMware vSphere	N/A
A2537	EDMS - Enterprise Document Management System User	N/A
A2538	EDMS - Functional Administrator	N/A
A3049	Endpoint Security and Network Access Control	N/A
A3116	Firewall 8.1. Essentials: Configuration and Management e-learning	N/A
A3119	Firewall 8.1: Troubleshooting	N/A
A3114	Firewall Essentials: Configuration and Management	N/A
A3111	Firewall: Optimizing Firewall Threat Prevention	N/A
A9065	Functional Areas Services (FAS) Level 1 Support Workshop: Group D, E	N/A
A3109	Implementing an Advanced Server Infrastructure	N/A
A3136	Implementing and Administering Cisco Solutions (CCNA)	N/A
A3135	Implementing and Operating Cisco Enterprise Network Core Technologies (ENCOR)	N/A
A3030	Influence Skills Training: Getting Results without Direct Authority	N/A
A3036	Introduction to Cloud Computing	N/A
A3045	Introduction to SQL Language	N/A
A3094	ISTQB Advanced Test Manager Certificate	N/A
A3076	ISTQB Certified Tester: Foundation Certification Exam Prep	N/A
A3003	ITIL 4 Foundation Certification Training	N/A
A3131	ITIL 4 Managing Professional (MP) Transition Module	N/A

Course Index

Sorted by Discipline

Course ID	Title	Discipline
A3130	ITIL 4 Specialist: Create, Deliver and Support Training	N/A
A3128	ITIL 4 Specialist: Drive Stakeholder Value Training	N/A
A3127	ITIL 4 Specialist: High Velocity IT Training	N/A
A3129	ITIL 4 Strategist: Direct, Plan and Improve Training	N/A
A3008	ITIL Intermediate: Continual Service Improvement (CSI)	N/A
A3009	ITIL Intermediate: Operational Support and Analysis (OSA)	N/A
A3011	ITIL Intermediate: Release, Control and Validation (RCV)	N/A
A3005	ITIL Intermediate: Service Design (SD)	N/A
A3010	ITIL Intermediate: Service Offerings and Agreements (SOA)	N/A
A3007	ITIL Intermediate: Service Operation (SO)	N/A
A3004	ITIL Intermediate: Service Strategy (SS)	N/A
A3006	ITIL Intermediate: Service Transition (ST)	N/A
A3096	Lean Six Sigma: Green Belt	N/A
A3090	Lean Six Sigma: Yellow Belt	N/A
A3092	Management of Risk: Foundation & Practitioner	N/A
A3108	Managing MDT Client Deployments in a Microsoft Windows Server Environment	N/A
A3088	McAfee Data Loss Prevention Endpoint Administration (11.0)	N/A
A3133	McAfee Endpoint Security 10.x Administration	N/A
A3132	McAfee ePolicy Orchestrator Administration (5.9)	N/A
A3039	McAfee VirusScan and ePolicy Administrator	N/A
A3107	Microsoft Networking and Security Fundamentals	N/A
A3019	Microsoft Project Introduction	N/A
A3124	Microsoft Windows PowerShell for Administrators	N/A
A2529	MS-Excel 2016 Advanced User	N/A
A2528	MS-Excel 2016 User	N/A
A2533	MS-Outlook 2016 Advanced User	N/A
A2532	MS-Outlook 2016 User	N/A
A3001	MSP Practitioner Certification Exam Prep	N/A
A2531	MS-PowerPoint 2016 Advanced User	N/A
A2530	MS-PowerPoint 2016 User	N/A
A2502	MS-Publisher 2016	N/A
A2519	MS-SharePoint 2013 Func Admin	N/A
A2518	MS-SharePoint 2013 User	N/A
A2522	MS-Windows 10 User	N/A
A2535	MS-Word 2016 Advanced User	N/A
A2534	MS-Word 2016 User	N/A
A3046	Network Configuration and Troubleshooting	N/A
A3118	Networks Panorama 8.1: Managing Firewalls at Scale	N/A
A3115	Panorama 8.1: Manage Firewalls at Scale e-learning	N/A
A3064	Planning and Administering SharePoint 2016	N/A
A3123	PostgreSQL Administration	N/A
A3080	Preparing for TOGAF Certification	N/A
A3000	PRINCE2 Foundation & Practitioner Certification Exam Preparation	N/A
A3002	Project Management Professional (PMP) Exam Prep	N/A
A3028	Project Management Training: Skills for Success	N/A
A3126	SANS Advanced Security Essentials - Enterprise Defender	N/A

Course Index

Sorted by Discipline

Course ID	Title	Discipline
A3125	SANS Securing Windows and PowerShell Automation	N/A
A3098	Security Essentials Bootcamp Style Self Study Online	N/A
A2525	SHAPE CIS Coordinators	N/A
A2501	SHAPE IM Foundation	N/A
A2536	Tasker Tracker + (TT+)	N/A
A3112	Troubleshooting Active Directory Services with Windows Server Training	N/A
A2539	TT+ - Functional Administrator	N/A
A3097	Virtualization Technologies Introduction	N/A
A3079	VMware vSphere: Install, Configure, Manage (V6.7)	N/A
A3027	Vulnerability Assessment Training: Protecting Your Organisation	N/A
A3106	Windows 10 Client: Installation & Configuration	N/A
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 &
A0267	TOPFAS CAT for User	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 &
A0265	TOPFAS OPT 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 &
A0266	TOPFAS SAT for User	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 &
A0264	TOPFAS System Administrator	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 CARDS for NATO Crypto Custodian (course ID A0006).

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 Critera

The student must be:
- Selected for an assignment to an account that possesses NATO Crypto material or act as a CIS Security Officer that has an 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

OR3, OR4, OR5, OR6, OR7, OR8, OR9, OF2, OF3, 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 SECRET (NS)

Pre-Course Study Material

Latest ACO Directive 70/1 and 70/5- Latest SDIP 293.

Background

Working Knowledge of the ACO SECURITY DIRECTIVE 070-001, 070-005 and SECAN Doctrine and Information Publication 293/1.

Prerequisite Course

N/A

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 CSC 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 Critera

The candidate must be:
- Selected for an assignment to an NATO Crypto account or act as a CIS Security Officer that has an 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

All ranks and grades

Special Instructions

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

Course ID A0004 is mandatory prior to this course.

Security Clearance

NATO SECRET (NS)

Pre-Course Study Material

Course ID A0004 is mandatory prior to this course.

Course Modules are available on NCI Agency CSC 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, 070-005 and SECAN Doctrine and Information Publication 293/1.

Prerequisite Course

A0004 Crypto Administration

Deployable Optical Fibre Cable

Course ID
A0023

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 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 budged in a fibre optical infrastructure.

Qualification

Optical Fibre Cable Technician

Student Critera

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

All Ranks and Grades,CIV

Special Instructions

N/A

Security Clearance

NATO UNCLASSIFIED (NU)

Pre-Course Study Material

Student has to attend the JADL Course Digital Communication (course ID A0606) at www.jadl.act.nato.int.

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

A0606 Digital Communication (ADL)

Long Range DLOS Operator/Technician

Course ID
A0024

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

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 Critera

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

All Ranks and Grades,CIV

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 JADL Course Digital Communication (course ID A0606) at www.jadl.act.nato.int.

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

A0025 Short Range DLOS Operator/Technician

Short Range DLOS Operator/Technician

Course ID
A0025

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

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 Critera

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

All Ranks and Grades,CIV

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 JADL Course Digital Communication (course ID A0606) at www.jadl.act.nato.int.

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

A0606 Digital Communication (ADL)

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 Critera

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 met the Background Knowledge Prerequisites: Student has to complete the SATCOM Basic (ID 601) course at https://jadl.act.nato.int/ There will be an Exam on arrival and 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

All Ranks and Grades,CIV

Special Instructions

All attendees must be approved by the NSII Satellite Ground Segment – Service Manager.

Security Clearance

NATO SECRET (NS)

Pre-Course Study Material

Student has to complete the SATCOM Basic (course ID A0601) at https://jadl.act.nato.int/ There will be an Exam on arrival and questions are taken from the above on-line training.

Background

Solid 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

A0601 SATCOM Basic (ADL)

UHF TACSAT Basic

Course ID
A0037

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

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.
- Understand integrated wave form (IW) and to be able to program and operate IW in both voice and date over the network as per MIL standards 188.183B.

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 Critera

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

All Ranks and Grades,CIV

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

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: 6	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 and Integrated Wave Form 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 Communication Planning Application (CPA) 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 Critera

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

All Ranks and Grades,CIV

Special Instructions

- Student will be issued all relevant course material.
- Conformation 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 within a period of 3 months.

Prerequisite Course

A0037 UHF TACSAT Basic

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 1

Student Critera

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 Basic (course ID A0601) at https://jadl.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

All Ranks and Grades,CIV

Special Instructions

N/A

Security Clearance

NATO SECRET (NS)

Pre-Course Study Material

Student has to complete the SATCOM Basic (course ID A0601) at https://jadl.act.nato.int/ There will be an Exam on arrival and 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

A0601 SATCOM Basic (ADL)

NATO X-Band Deployable Satellite Ground Terminal (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 the knowledge and skills to perform field level preventive and corrective maintenance for the 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 Maintenance. 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, Antenna Control Unit configuration & system fault finding.

Qualification

NATO SATCOM DSGT Operator Level 2

Student Critera

1. Been assigned to a NATO or National Signal Establishment with the role of technician or operator.
2. Successfully completed the DSGT Operator Level 1 (course ID A0040) and have a minimum of 6 months practical experience using the DSGT in operations/exercises.
3. There will be an entry exam upon arrival and questions are taken from the DSGT Operator Level 1.
4. Knowledge of the general safety procedures for working with hazardous voltages.
5. Basic familiarity with Microsoft Windows Operating Systems, networking, electronic/electrical schematics.

Language Proficiency

In accordance with STANAG 6001: English SLP 3232

Rank/Grade

All Ranks and Grades,CIV

Special Instructions

N/A

Security Clearance

NATO SECRET (NS)

Pre-Course Study Material

- SATCOM Basic (course ID A0601) at https://jadl.act.nato.int/
- DSGT Operator Level 1 (course ID A0040).

Background

Successful completion of the DSGT Operator Course (course ID A0040) with minimum 6 months practical experience using the DSGT in the field is mandatory.

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

A0040 NATO X-Band DSGT Operator Level 1

Bi-Band Suitcase Satellite Terminal (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 the knowledge and skills to install and operate the BBSST Satellite Communications (SATCOM) terminal and 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 Critera

1. Been assigned to a NATO or National Signal Establishment with the role of technician or operator.
2. Have met the Background Knowledge Prerequisites: Student has to complete the SATCOM Basic (course ID A0601) (pre-course study material) at https://jadl.act.nato.int/. There will be an entry exam on arrival and questions are taken from the above on-line training).
3. Have successfully completed a national military or civilian course on basic electronics.

Language Proficiency

In accordance with STANAG 6001: English SLP 3232

Rank/Grade

All Ranks and Grades,CIV

Special Instructions

N/A

Security Clearance

NATO SECRET (NS)

Pre-Course Study Material

Student has to complete the SATCOM Basic (course ID A0601) at https://jadl.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

A0601 SATCOM Basic (ADL)

NATO X-Band Transportable Satellite Ground Terminal (TSGT) Generation 3 (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 the 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 TSGT G3 X-Band T-2 and T-1 terminals 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 Critera

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 Basic (course ID A0601) (pre-course at https://jadl.act.nato.int/. There will be an entry exam on arrival and questions are taken from the above on-line training).
3. Have successfully completed a national military or civilian course on basic electronics.

Language Proficiency

In accordance with STANAG 6001: English SLP 3232

Rank/Grade

All Ranks and Grades,CIV

Special Instructions

N/A

Security Clearance

NATO SECRET (NS)

Pre-Course Study Material

Student has to complete the SATCOM Basic (course ID A0601) at https://jadl.act.nato.int/. There will be an entry exam on arrival and 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

A0601 SATCOM Basic (ADL)

NATO Ku-Band Very Small Aperture Terminal (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 the knowledge and skills to operate a VSAT Spoke as a standalone SATCOM terminal, perform VSAT Hub antenna pointing and operate the VSAT Hub, and 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 Critera

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 Basic (course ID A0601) at https://jadl.act.nato.int/. There will be an entry exam on arrival and questions are taken from the above on-line training.
3. Have successfully completed a national military or civilian course on basic electronics.

Language Proficiency

In accordance with STANAG 6001: English SLP 3232

Rank/Grade

All Ranks and Grades,CIV

Special Instructions

N/A

Security Clearance

NATO SECRET (NS)

Pre-Course Study Material

Student has to complete the SATCOM Basic (course ID A0601) at https://jadl.act.nato.int/. There will be an entry exam on arrival and 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

A0601 SATCOM Basic (ADL)

NATO X-Band Upgraded Transportable Satellite Ground Terminal (UTSGT) Operator

Course ID
A0047

Remote Participation available: no	On Demand onsite delivery available: yes	Location: MTT
Minimum Class Size: 4	Maximum Class Size: 8	Course Length (working days): 5

Purpose of Course

To provide military and civilian personnel with the knowledge and skills to operate and perform limited preventive maintenance on the Upgraded Transportable Satellite Ground Terminal (UTSGT). 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 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.
- UTSGT manual satellite search.

Qualification

NATO SATCOM UTSGT Operator

Student Critera

1. Been assigned to a NATO or National Signal Establishment with the role of technician or Operator.
2. Successfully completed the TSGT G3 Operator Level 1 (course ID A0043).
3. There will be an entry exam upon arrival and questions are taken from the TSGT G3 Operator Level 1 training.
4. Has successfully completed a national military or civilian course on basic electronics.

Language Proficiency

In accordance with STANAG 6001: English SLP 3232

Rank/Grade

All Ranks and Grades,CIV

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

- SATCOM Basic (course ID A0601) at https://jadl.act.nato.int/
- TSGT G3 Operator Level 1 (course ID A0043) training.

Background

- Successful completion of the TSGT G3 Operator Course (course ID A0043).
- 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

A0043 NATO X-Band TSGT G3 Operator Level 1

NNCCRS SSO/ADMIN

Course ID
A0048

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 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 Critera

The student must:
- Be -formally- appointed NNCCRS Site Security Officer/Administrator by his/her unit.
- Before bidding for a course, the students Local Security Authority is required to complete Annex C to NNCCRS SecOps v4.0 (Dated 29 August 2014) and pass to this to the NNCCRS Training Team at NCI Academy via NS (nciaregistry@ncia.nato.int). 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 (see paragraph 11).
- Have met the Background Knowledge Prerequisites for this course.

Language Proficiency

In accordance with STANAG 6001: English SLP 3232

Rank/Grade

All Ranks and Grades,CIV

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 juergen.stormanns@ncia.nato.int.

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

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 personal 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 Critera

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

All Ranks and Grades,CIV

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

NATO Dual-band Auto-pointing Rapid-deployable Terminal (DART+) Operator

Course ID
A0051

Remote Participation available: no	On Demand onsite delivery available: yes	Location: MTT
Minimum Class Size: 4	Maximum Class Size: 8	Course Length (working days): 5

Purpose of Course

To provide military and civilian personnel with the knowledge and skills to operate the DART+ satellite communications terminal and 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 Critera

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 Basic (course ID A0601) at https://jadl.act.nato.int/. There will be an entry exam on arrival and questions are taken from the above on-line training).
3. Have successfully completed a national military or civilian course on basic electronics.

Language Proficiency

In accordance with STANAG 6001: English SLP 3232

Rank/Grade

All Ranks and Grades,CIV

Special Instructions

N/A

Security Clearance

NATO SECRET (NS)

Pre-Course Study Material

Student has to complete the SATCOM Basic (course ID A0601) at https://jadl.act.nato.int/. There will be an entry exam on arrival and 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

A0601 SATCOM Basic (ADL)

NATO X-Band Transportable Satellite Ground Terminal Generation 3 (TSGT G3) Operator Level 2

Course ID
A0052

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 the knowledge and skills to perform field level preventive and corrective maintenance for the TSGT G3 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 Maintenance. 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 TSGT G3 equipment, including but not limited to: Basic calibration, monitor & control operation and maintenance, power measurements, system fault finding, and LRU replacement.

Qualification

NATO SATCOM TSGT G3 Operator Level 2

Student Critera

1. Been assigned to a NATO or National Signal Establishment with the role of technician or Operator.
2. Successfully completed the TSGT G3 Operator Level 1 (course 0043) and have a minimum of 6 months practical experience using the TSGT G3 in operations/exercises.
3. There will be an entry exam upon arrival and questions are taken from the TSGT G3 Operator Level 1.
4. Knowledge of the general safety procedures for working with hazardous voltages.
5. Basic familiarity with Microsoft Windows Operating Systems, networking, electronic/electrical schematics.

Language Proficiency

In accordance with STANAG 6001: English SLP 3232

Rank/Grade

All Ranks and Grades,CIV

Special Instructions

N/A

Security Clearance

NATO SECRET (NS)

Pre-Course Study Material

- SATCOM Basic (course ID A0601) at https://jadl.act.nato.int/
- TSGT G3 Operator level I (course ID A0043).

Background

- Successful completion of the TSGT G3 Operator Course (course ID A0043 with minimum 6 months practical experience using the DSGT in the field is mandatory.
- 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

A0043 NATO X-Band TSGT G3 Operator Level 1

NATO TLK/ILK Operator

Course ID

A0056

Remote Participation available: no	On Demand onsite delivery available: yes	Location: MTT
Minimum Class Size: 4	Maximum Class Size: 8	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 Critera

The student must been 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

All Ranks and Grades,CIV

Special Instructions

N/A

Security Clearance

NATO SECRET (NS)

Pre-Course Study Material

N/A

Background

Basic TCE 621 knowledge.

Prerequisite Course

N/A

NATO COMSEC System Engineering

Course ID
A0067

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 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 Critera

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

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

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

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 Critera

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

Language Proficiency

In accordance with STANAG 6001: English SLP 3232

Rank/Grade

All Ranks and Grades,CIV

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

Course ID A0236 NATO Networking Infrastructure(CCNA R&S) or course ID A0650 Cisco On-Line CCNA Module 1. - Introduction to Networks (ITN) or any other equivalent Commercial training.

Prerequisite Course

A0236 NATO Networking Infrastructure (CCNA R&S)
A0650 Cisco On-Line CCNA Module 1. - Introduction to Networks (ITN)

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: 4	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 Iphones.
- 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 Critera

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

Language Proficiency

In accordance with STANAG 6001: English SLP 3232

Rank/Grade

All Ranks and Grades,CIV

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 the NATO Voice over IP Foundation (course ID A0095).

Prerequisite Course

A0095 NATO Voice over IP Foundation

NATO C4ISR Orientation for Officers and NCOs

Course ID
A0101

Remote Participation available: no	On Demand onsite delivery available: no	Location: Oeiras (PRT)
Minimum Class Size: 40	Maximum Class Size: 80	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
- Communication Access/Transport Services
- 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 Critera

- 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

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

Special Instructions

N/A

Security Clearance

NATO RESTRICTED (NR)

Pre-Course Study Material

N/A

Background

N/A

Prerequisite Course

N/A

NATO CIS Planning

Course ID
A0104

Remote Participation available: no	On Demand onsite delivery available: no	Location: Oeiras (PRT)
Minimum Class Size: 25	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-COMPUSEC-COMSEC) principles.
- The NATO Individual and Collective Training as a critical factor of effective missions and exercises.

Learning Objectives

Upon completion the course, the qualified 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 Critera

- 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

All Ranks and Grades,CIV

Special Instructions

The course material is limited currently to NATO RESTRICED.

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 for Officers and NCOs (course ID A0101).

Prerequisite Course

A0101 NATO C4ISR Orientation for Officers and NCOs

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 70% 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 Critera

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 (course ID A0161).

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 student must:
- Be qualified as AIFS operator (course ID A0161).
- 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

A0161 Allied Information Flow System (AIFS) Operator/Shift Supervisor

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 (course ID A0160).

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 Critera

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

All Ranks and Grades,CIV

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 (course ID A0600) at www.jadl.act.nato.int.

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

A0600 AIFS Pre-study (ADL)

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: 10	Maximum Class Size: 15	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.
- Understand and implement SM / FM procedures to support NATO operations and exercises.
- Control and manage all frequency allocation / allotment / assignment issued to a NATOCommand 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 Critera

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

All Ranks and Grades,CIV

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 Spectrum Management for NATO (course ID A0182) or a national equivalent (frequency management training.

Prerequisite Course

A0182 Spectrum Management for NATO

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: 25	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 Critera

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

All Ranks and Grades,CIV

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

Spectrum Management Basics (SMB)

Course ID
A0188

Remote Participation available: no	On Demand onsite delivery available: yes	Location: Oeiras (PRT)
Minimum Class Size: 8	Maximum Class Size: 15	Course Length (working days): 10

Purpose of Course

The purpose of the course is to provide:
- 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 (SMI) (course ID A0191).
- 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 (Basic)

Student Critera

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

All Ranks and Grades,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 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

Spectrum Management Intermediate (SMI)

Course ID
A0191

Remote Participation available: no	On Demand onsite delivery available: yes	Location: Oeiras (PRT)
Minimum Class Size: 8	Maximum Class Size: 15	Course Length (working days): 10

Purpose of Course

The purpose of the course is 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) (course ID A0192).
- 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 (Intermediate)

Student Critera

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

All Ranks and Grades,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 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 (course ID A0188).

Prerequisite Course

N/A

Spectrum Management Advanced (SMA)

Course ID
A0192

Remote Participation available: no	On Demand onsite delivery available: yes	Location: Oeiras (PRT)
Minimum Class Size: 8	Maximum Class Size: 15	Course Length (working days): 10

Purpose of Course

The purpose of the course is:
- 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 (Advanced)

Student Critera

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

All Ranks and Grades,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 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 (Course ID A0191).

Prerequisite Course

N/A

Spectrum XXI Basics (SXXIB)

Course ID
A0193

Remote Participation available: no	On Demand onsite delivery available: yes	Location: Oeiras (PRT)
Minimum Class Size: 8	Maximum Class Size: 15	Course Length (working days): 10

Purpose of Course

The purpose of the course is to:
- 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 (course ID A0194).
- 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 (Basic)

Student Critera

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

All Ranks and Grades,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 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 (course ID A0188).

Prerequisite Course

N/A

Spectrum XXI Intermediate (SXXII)

Course ID
A0194

Remote Participation available: no	On Demand onsite delivery available: yes	Location: Oeiras (PRT)
Minimum Class Size: 8	Maximum Class Size: 15	Course Length (working days): 10

Purpose of Course

The purpose of the course is to:
- 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 (course ID A0195).
- 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 (Intermediate)

Student Critera

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

All Ranks and Grades,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 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 Basics Course (SXXIBC) for ANDSF (course ID A0193).

Prerequisite Course

N/A

Spectrum XXI Advanced (SXXIA)

Course ID
A0195

Remote Participation available: no	On Demand onsite delivery available: yes	Location: Oeiras (PRT)
Minimum Class Size: 8	Maximum Class Size: 15	Course Length (working days): 10

Purpose of Course

The purpose of the course is to:
- 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 (Advanced)

Student Critera

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

All Ranks and Grades,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 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 (course ID A0194).

Prerequisite Course

N/A

Spectrum Analyser Basics (SAB)

Course ID
A0196

Remote Participation available: no	On Demand onsite delivery available: yes	Location: Oeiras (PRT)
Minimum Class Size: 8	Maximum Class Size: 15	Course Length (working days): 10

Purpose of Course

The purpose of the course is to:
- 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 (SAI) (course ID A0197).
- 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 (Basic)

Student Critera

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

All Ranks and Grades,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 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

Spectrum Analyser Intermediate (SAI)

Course ID
A0197

Remote Participation available: no	On Demand onsite delivery available: yes	Location: Oeiras (PRT)
Minimum Class Size: 8	Maximum Class Size: 15	Course Length (working days): 10

Purpose of Course

The purpose of the course is to:
- 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 (SAA) (course ID A0198).
- 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 (Intermediate)

Student Critera

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

All Ranks and Grades,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 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 (course ID A0196).

Prerequisite Course

N/A

Spectrum Analyser Advanced (SAA)

Course ID
A0198

Remote Participation available: no	On Demand onsite delivery available: yes	Location: Oeiras (PRT)
Minimum Class Size: 8	Maximum Class Size: 15	Course Length (working days): 10

Purpose of Course

The purpose of the course is to:
- 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 (Advanced)

Student Critera

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

All Ranks and Grades,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 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) H36like Windows.
- The student has attended The Spectrum Analyser Intermediate Course (SAIC) for ANDSF (course ID A0197).

Prerequisite Course

N/A

Allied Deployment and Movements System (ADAMS) Staff Officer (LOGFAS Vs 6.5.0)

Course ID
A0220

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 at NATO, NATO Nation, all partner Nations and Organisation's Headquarters with training in the use of the Allied Deployment and Movements System (ADAMS) module of the Logistics Functional Area Services (LOGFAS) program to analyse and plan the Deployment/Redeployment 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:
- Comprehend and able to describe the LOGFAS Data input requirements and procedures; in accordance with NATO stated and/or applied standards.
- Comprehend and able to describe the procedures applied in the creation of an ADAMS Detailed Deployment Plan (DDP) and Detailed Redeployment Plan (DRP).
- Load, view and analyse the movement activates for DDPs/DRPs using the ADAMS Module.
- Merge multiple National and HQ DDPs/DRPs to create a Multi-National DDP/DRP (MNDDP/DRP).
- Comprehend and able to 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, reporting and presentations.

Qualification

Allied Deployment and Movements System (ADAMS) Staff Officer (LOGFAS Vs 6.5.0)
The qualification is valid for the stated version of the LOGFAS software.

Student Critera

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

All Ranks and Grades,CIV

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 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

Coalition Reception, Staging and Onward Movement (CORSOM) Operator (LOGFAS Vs 6.5.0)

Course ID
A0222

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 at NATO, NATO Nation, 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 Reception, Staging and Onward Movement (RSOM) analysis, planning and execution control and associated activities.
The use of the software and functions provided to support staff work.

Learning Objectives

On completion of this course the student will be able to:
- Comprehend the concept and carry out deployment RSOM analysis, planning and execution.
- Comprehend the use 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.
- Comprehend 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 (LOGFAS Vs 6.5.0)
The qualification is valid for the stated version of the LOGFAS software.

Student Critera

The candidate must:
- Be assigned to a NATO, NATO Nation, all 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

All Ranks and Grades,CIV

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 the LOGFAS Fundamentals & Basic Data Operator Course (course ID A0254), unless upgrading from a previous Version of LOGFAS (Version or Application) for which suitable and acceptable NCIA Certification has been awarded.
The details of the attended LOGFAS Fundamentals & Basic Data Operator Course (course ID A0254) should be shown in the Remarks Section of the NCIA Joining Report format.
If the candidate has not completed the LOGFAS Fundamentals & Basic Data Operator Course (course ID A0254) but wishes to submit evidence of suitability to attend the course they are to provide details in the Remarks Section of the NCIA Joining Report format. The provided evidence will be evaluated by the NCIA 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 NCIA 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

A0254 Logistic Functional Area Services (LOGFAS) Fundamentals & Basic Data Operator

Effective Visible Execution (EVE) Operator (LOGFAS Vs 6.5.0)

Course ID
A0223

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 at NATO, NATO Nation, all 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.
- Comprehend how the module views can be modified for use and/or display.
- Comprehend 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 (LOGFAS Vs 6.5.0)
The qualification is valid for the stated version of the LOGFAS software.

Student Critera

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

All Ranks and Grades,CIV

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 NCI Academy Certified LOGFAS Fundamentals & Basic Data Operator Course (course ID A0254), unless upgrading from a previous Version of LOGFAS (Version or Application) for which suitable and acceptable NCI Academy Certification has been awarded.
The details of the attended LOGFAS Fundamentals and Basic Data Operator Course (course ID A0254) should be shown in the Remarks Section of the NCI Academy Joining Report format.
If the candidate has not completed the LOGFAS Fundamentals & Basic Data Operator Course (course ID A0254) but wishes to submit evidence of suitability to attend the course they are to provide details in the Remarks Section of the NCI Academy Joining Report format. The provided evidence will be evaluated by the NCI Academy 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 NCI Academy 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

A0254 Logistic Functional Area Services (LOGFAS) Fundamentals & Basic Data Operator

Allied Deployment and Movements System (ADAMS) Basic Operator (LOGFAS Vs 6.5.0)

Course ID
A0224

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): 10

Purpose of Course

To provide military and civilian personnel at NATO HQ, NATO Nation, all Partner Nation 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.

Learning Objectives

On completion of this course the student will be able to:
- Comprehend and 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.
- Carry out 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.

Qualification

Allied Deployment and Movements System (ADAMS) Basic Operator (LOGFAS Vs 6.5.0)
The qualification is valid for the stated version of the LOGFAS software.

Student Critera

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

All Ranks and Grades,CIV

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 the LOGFAS Fundamentals & Basic Data Operator Course (course ID A0254), unless upgrading from a previous Version of LOGFAS (Version or Application) for which suitable and acceptable NCIA Certification has been awarded.
The details of the attended LOGFAS Fundamentals & Basic Data Operator Course should be shown in the Remarks Section of the NCIA Joining Report format.
If the candidate has not completed the LOGFAS Fundamentals & Basic Data Operator Course (course ID A0254) but wishes to submit evidence of suitability to attend the course they are to provide details in the Remarks Section of the NCIA Joining Report format. The provided evidence will be evaluated by the NCIA 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 NCIA 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

A0254 Logistic Functional Area Services (LOGFAS) Fundamentals & Basic Data Operator

Allied Deployment and Movements System (ADAMS) Advanced Operator (LOGFAS Vs 6.5.0)

Course ID
A0225

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 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:
- Comprehend and conduct advanced database manipulation of LOGFAS Data.
- Comprehend the advanced procedures applied in the creation of a National Detailed Deployment Plan (DDP) or Detailed Redeployment Plan (DRP) for analysis and planning purposes.
- Carry out complex transport asset allocation, asset sharing and multi leg scheduling.
- Merge and view multiple DDPs to create a Multi-National DDP.
- 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 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 DDP Wizard, Analyse Tradeoffs and Transport Feasibility Estimation Functions.
- Use the ADAMS modules for analysis and to assist in force deployment planning and execution.

Qualification

Allied Deployment and Movements System (ADAMS) Advanced Operator (LOGFAS Vs 6.5.0)
The qualification is valid for the stated version of the LOGFAS software.

Student Critera

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

All Ranks and Grades,CIV

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 (course ID A0224) 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

A0224 Allied Deployment and Movements System (ADAMS) Basic Operator

Logistics Reporting (LOGREP) Operator (LOGFAS Vs 6.5.0)

Course ID
A0226

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 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.

Learning Objectives

On completion of this course the Student will be able to:
- Comprehend and describe LOGFAS Data input requirements and procedures for Items and Forces. The combining of data to create a Force Profile and Holdings file.
- Comprehend and 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.
- Introduce the principles of Consumption Data for Supplies and Re-supply.

Qualification

Logistics Reporting (LOGREP) Operator (LOGFAS Vs 6.5.0)
The qualification is valid for the stated version of the LOGFAS software.

Student Critera

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

All Ranks and Grades,CIV

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 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

Logistics Reporting (LOGREP) Train the Trainer (LOGFAS Vs 6.5.0)

Course ID
A0227

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 at NATO, NATO Nation, Partner Nations 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 Logistics Reporting (LOGREP) Operator course (course ID A0226) and in accordance with local SOPs.
- Use basic instructional techniques to plan and carry out any required lessons.

Qualification

Logistics Reporting (LOGREP) Trainer (LOGFAS Vs 6.5.0)
The qualification is valid for the stated version of the LOGFAS software.

Student Critera

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

All Ranks and Grades,CIV

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 (course ID A0226) 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

A0226 Logistics Reporting (LOGREP) Operator

NATO Networking Infrastructure - CCNA (Cisco Certified Networking Associate) 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 NATO Networking Infrastructure Course is based on Cisco CCNA (Cisco Certified Network Associate) Version 7 curriculum, and it provides the knowledge and skills for networking technology, covering networking concepts and skills student needs to successfully operate and maintain IP-converged networks.

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.

Through a combination of lecture, hands-on labs, and self-study, you will learn how to install, operate, configure, and verify basic IPv4 and IPv6 networks. The course covers configuring network components such as switches, routers, and wireless LAN controllers; managing network devices; and identifying basic security threats. The course also gives you a foundation in network programmability, automation, and software-defined networking.

Learning Objectives

The successful CCNA students will gain the knowledge to install, configure, operate, and troubleshoot medium-size routed and switched networks. CCNA qualified students will have the knowledge and skills to make connections to remote sites via a WAN, and mitigate basic security threats. CCNA training covers (but is not limited to) the use of these topics: IOS, IPv6, IPv4, OSPF, VLANs, Ethernet, STP, VLSM, WAN/VPN, QoS, WLAN Controllers, Security Threats, Device Hardening and basic traffic filtering with Access-Lists.
CCNA v7 brings a broad range of fundamentals for all IT careers, with one exam and one training course to help you prepare for CCNA Certification. The CCNA course covers a breadth of topics including network fundamentals, network access, IP connectivity, IP services, security fundamentals, and automation and programmability.

Qualification

Upon completion of the course, students will be qualified to attend:

- NCI Academy level-2 NATO Deployable Systems COMMS courses including, but not limited to, LINC-E COMMS Course (ID A0902), Dragonfly Comms Course (ID A0912) and Mini PoP Comms Course (ID 0916).
-NCI Academy VOIP Foundation (ID A095)
-NCI Academy Call Manager and Voice over Secure IP (ID 097)

Successful students will receive Cisco Academy Certificates for the following:

- Cisco CCNA Module 1: Introduction to Networks (ITN)
- Cisco CCNA Module 2: Switching, Routing and Wireless Essentials (SRWE)
• Cisco CCNA Module 3: Enterprise Networking, Security and Automation (ENSA)

After completing the Cisco CCNA course, and following due study, students can take CCNA certification exam.

Cisco CCNA certification exam can be taken in any Person VUE (www.pearsonvue.com) testing center

Student Critera

N/A

Language Proficiency

In accordance with STANAG 6001: English SLP 3232

Rank/Grade

All Ranks and Grades,CIV

Special Instructions

Students will undertake one online theory assessment for each completed learning chapter.

Students will take and successfully pass proctored practical and theory exams at the completion of each individual Learning Module prior to being enrolled in the next one.

Security Clearance

NATO UNCLASSIFIED (NU)

Pre-Course Study Material

N/A

Background

CCNA is designed for students 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.
It is recommended that students bring a laptop on which they have administrator privileges.

Prerequisite Course

N/A

NATO HD VTC Facilitator

Course ID
A0244

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 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 Critera

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 Prerequisites for this course.

Language Proficiency

In accordance with STANAG 6001: English SLP 3232

Rank/Grade

All Ranks and Grades,CIV

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

NATO VTC Control Centre Operator

Course ID
A0245

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 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 students will undertake a practical and theoretical exam at the end of the course.

Qualification

NATO VTC Control Centre Operator

Student Critera

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

All Ranks and Grades,CIV

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

Logistic Functional Areas Services (LOGFAS) Staff Officer (LOGFAS Vs 6.5.0)

Course ID
A0251

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 at NATO, NATO Nation, Partner Nations 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.
- Course ID A0222 – CORSOM Operator
- Course ID A0223 – EVE Operator
- Course ID A0224 – ADAMS Basic Operator
- Course ID A0226 – Logistic Reporting Operator
- Course ID A0252 – EVE Manager
- Course ID A0253 – SPM/SDM Operator

Learning Objectives

The learning objectives are stated in the Course Descriptions for each type of course.

Qualification

Logistic Functional Areas Services (LOGFAS) Staff Officer (LOGFAS Vs 6.5.0)
The qualification is valid for the stated version of the LOGFAS software.

Student Critera

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

All Ranks and Grades,CIV

Special Instructions

N/A

Security Clearance

NATO UNCLASSIFIED (NU)

Pre-Course Study Material

In accordance with NCI Academy 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 NCI Academy.
- 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

Effective Visible Execution (EVE) Manager (LOGFAS Vs 6.5.0)

Course ID
A0252

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

To provide military and civilian personnel at NATO, NATO Nation, Partner Nations 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 (LOGFAS Vs 6.5.0)
The qualification is valid for the stated version of the LOGFAS software.

Student Critera

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

All Ranks and Grades,CIV

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 the LOGFAS Fundamentals & Basic Data Operator Course (course ID A0254), unless upgrading from a previous Version of LOGFAS (Version or Application) for which suitable and acceptable NCIA Certification has been awarded.
The details of the attended LOGFAS Fundamentals and Basic Data Operator Course (NCIA Code 0254) should be shown in the Remarks Section of the NCIA Joining Report format.
If the candidate has not completed the LOGFAS Fundamentals & Basic Data Operator Course (course ID A0254) but wishes to submit evidence of suitability to attend the course they are to provide details in the Remarks Section of the NCIA Joining Report format. The provided evidence will be evaluated by the NCIA 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 NCIA 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

A0254 Logistic Functional Area Services (LOGFAS) Fundamentals & Basic Data Operator

Sustainment Planning Module (SPM), Supply Distribution Model (SDM) Operator (LOGFAS Vs 6.5.0)

Course ID
A0253

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 at NATO, NATO Nation, Partner Nations 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, planning and execution activities.
The use of the software to support staff work.

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.

Qualification

Sustainment Planning Module (SPM), Supply Distribution Model (SDM) Operator (LOGFAS Vs 6.5.0)
The qualification is valid for the stated version of the LOGFAS software.

Student Critera

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

All Ranks and Grades,CIV

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 logistics and sustainment planning and analysis.
Candidates must have attended the LOGFAS Fundamentals & Basic Data Operator Course (course ID A0254) or the Logistic Reporting (LOGREP) Operator Course (course ID A0226), unless upgrading from a previous Version of LOGFAS (Version or Application) for which suitable and acceptable NCI Agency Certification has been awarded.
The details of the attended LOGFAS Fundamentals & Basic Data Operator Course (course ID A0254) or LOGREP Operator Course (course ID A0226) should be shown in the Remarks Section of the NCI Agency Joining Report format.
If the candidate has not completed the LOGFAS Fundamentals & Basic Data Operator Course (course ID A0254) or the LOGREP Operator Course (course ID A0226) but wishes to submit evidence of suitability to attend the course they are to provide details in the Remarks Section of the NCI Agency Joining Report format.
The provided evidence will be evaluated by the NCIA 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 NCIA 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

A0226 Logistic Reporting (LOGREP) Operator
or
A0254 Logistic Functional Area Services (LOGFAS) Fundamentals & Basic Data Operator

Logistic Functional Area Services (LOGFAS) Fundamentals & Basic Data Operator (LOGFAS Vs 6.5.0)

Course ID
A0254

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 at NATO, NATO Nation, Partner Nations 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 NCIA Certification for personnel who want to attend ADAMS Basic Operator (course ID A0224), EVE Operator (course ID A0223), EVE Manager (course ID A0252), CORSOM Operator (course ID A0222) and SPM/SDM Operator (course ID A0253).

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.
- Demonstrate an understanding and 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.
- Demonstrate an understanding and 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).
- Demonstrate an understanding and describe the use of LOGFAS Data Management Module (LDM) to extract reports based on the created data sets.

Qualification

Logistic Functional Area Services Fundamentals and Basic Data Operator (LOGFAS Vs 6.5.0)
The qualification is valid for the stated version of the LOGFAS software.

Student Critera

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

All Ranks and Grades,CIV

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

Logistic Functional Area Services (LOGFAS) System Administrator and Manager (LOGFAS Vs 6.5.0)

Course ID
A0255

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

To provide military and civilian personnel at NATO, NATO Nation, Partner Nations 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 LOGFAS 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 a comprehension of computer networking and Virtual Machine Structures.
- Demonstrate a comprehension of the different areas of responsibilities between the CIS and CJ4 areas for the control of LOGFAS and the interrelationship between the areas.
- Demonstrate a comprehension and describe the use of the LOGFAS Connection Manager Module (LCM) for the management and control of Databases (Local and Remote).
- Demonstrate a comprehension and 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.
- Demonstrate a comprehension and describe how to connect LOGFAS to other NATO FAS Systems (LOGFAS Web Services, JOCWatch, GIS etc).
- Demonstrate a comprehension and describe the use of the Utility Management Module (UMM) of LOGFAS to control program and data access.

Qualification

Logistic Functional Area Services (LOGFAS) Systems Administrator and Manager (LOGFAS Vs 6.5.0)
The qualification is valid for the stated version of the LOGFAS software.

Student Critera

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

All Ranks and Grades,CIV

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

TOPFAS System Administrator

Course ID
A0264

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 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 Critera

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

All Ranks and Grades,CIV

Special Instructions

N/A

Security Clearance

NATO UNCLASSIFIED (NU)

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

TOPFAS OPT for User

Course ID
A0265

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

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 TOPFAS OPT Train the Trainer (course ID A0285).

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 Individual User (Standard qualification)

TOPFAS OPT Collaborative User (Available in Oeiras and on selected MTT sites)

Student Critera

The student must:
- Be a user of TOPFAS for crisis response planning within a planning HQ
or
- Take 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

All ranks and grades

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 www. jadl.act.nato.int/ in the TOPFAS section (ADL ID 0200) under NETF / NCI Academy.

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

TOPFAS SAT for User

Course ID
A0266

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

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 TOPFAS SAT Train the Trainer (course ID A0286).

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 Individual User (Standard qualification)

TOPFAS SAT Collaborative User (Available in Oeiras and on selected MTT sites)

Student Critera

The student must:
- Be a system analyst 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

All ranks and grades

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 www. jadl.act.nato.int/ in the TOPFAS section (ADL ID 0200) under NETF / NCI Academy.

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 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

TOPFAS CAT for User

Course ID
A0267

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

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 TOPFAS CAT Train the Trainer (course ID A0287).

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.
- Contribute to an Assesment Group using the Campaign Assessment Tool (CAT) in a collaborative environment.
- Publish assessment products on the TOPFAS Web Portal
- Identify access control in different TOPFAS tools.

Qualification

TOPFAS CAT Individual User (Standard qualification)

TOPFAS CAT Collaborative User (Available in Oeiras and on selected MTT sites)

Student Critera

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

All ranks and grades

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 www. jadl.act.nato.int/ in the TOPFAS section (ADL ID 0200) under NETF / NCI Academy.

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

NATO MCCIS Orientation & User

Course ID
A0270

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 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 Critera

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

All Ranks and Grades,CIV

Special Instructions

Course normally runs concurrently with course ID A0271 and when done so, class sizes are adjusted under course ID A0271 parameters.

Security Clearance

NATO SECRET (NS)

Pre-Course Study Material

- Course A0270 pre-study guide (available at https://jadl.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 ID A0602).

Background

It is strongly recommended that student should have attended a NATO Operations Assessment Course at a NATO or National facility prior to attending.

Prerequisite Course

A0602 Maritime FAS Pre-study (ADL)

NATO MCCIS RMP Operator

Course ID
A0271

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

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 Critera

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

All Ranks and Grades,CIV

Special Instructions

N/A

Security Clearance

NATO SECRET (NS)

Pre-Course Study Material

- Course A0271 pre-study guide (available at https://jadl.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 ID A0602).

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 A0271 pre-study guide (see JADL website for more info.)

This course serves as a prerequisite course for course ID A0277.

Prerequisite Course

A0602 Maritime FAS Pre-study (ADL)

NATO MCCIS Site Administrator

Course ID
A0273

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

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 Critera

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

All Ranks and Grades,CIV

Special Instructions

N/A

Security Clearance

NATO SECRET (NS)

Pre-Course Study Material

- Course A0273 pre-study guide (available at https://jadl.act.nato.int/). Login credentials are required and can be requested from a military address to JADL.
- ADL 014 MCCIS Administrator pre-study (course ID A0603).

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

A0603 MCCIS Pre-study (ADL)

NATO MCCIS Waterspace Management

Course ID
A0275

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 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.
- Plan and plot submarine tracks.
- Plan and plot submarine areas.
- Perform Interference checking IAW ATP-18.
- Create Submarine operations related formatted messages.
- Query WSM database and produce SUBDAY presentations.

Qualification

NATO Certified WSM/PMI Operator

Student Critera

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

All Ranks and Grades,CIV

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

A0602 Maritime FAS Pre-study (ADL)

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 Critera

The student must:
- Be 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 ID A0271) or equivalent.

Language Proficiency

In accordance with STANAG 6001: English SLP 3232

Rank/Grade

All Ranks and Grades,CIV

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

A0270 NATO MCCIS Orientation & User
A0271 NATO MCCIS RMP Operator

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 students will perform a practical and theory exercise at the end of the course.

Qualification

NATO CIS Security (INFOSEC) Staff Officer

Student Critera

The student must:
- 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

All Ranks and Grades,CIV

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 NATO C4ISR Orientation for Officers and NCOs (course ID A0101).

Prerequisite Course

N/A

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:
- Instruct the main OPT functionalities.
- Explain the purpose of TOPFAS and OPT in particular.
- Prepare the TOPFAS OPT training environment.
- Explain how TOPFAS supports the operations planning process.

Qualification

HQ Trainer for TOPFAS OPT for User

Student Critera

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

All ranks and grades

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 a TOPFAS OPT for User (course ID A0265) Graduate.
- Be a TOPFAS for Advanced User-Functional Manager (course ID A0288) Graduate.
- Possess instructor capabilities and presentation skills.

Prerequisite Course

A0265 TOPFAS OPT for User
A0288 TOPFAS for Advanced User-Functional Manager

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.

Learning Objectives

Upon completion the course, the qualified student will be able to:
- Instruct the main SAT functionalities.
- Explain the purpose of TOPFAS and SAT in particular.
- Prepare the TOPFAS SAT training environment.
- Explain how TOPFAS supports the operations planning process.

Qualification

HQ Trainer for TOPFAS SAT for User

Student Critera

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

All ranks and grades

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 TOPFAS SAT for User (course ID A0266) Graduate.
- Possess instructor capabilities and presentation skills.
- 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 1,2, 4).

The student should:
- Have in-depth knowledge on System Analysis (Analyst-SAT).

Prerequisite Course

A0266 TOPFAS SAT for User

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:
- Instruct the main CAT functionalities.
- Explain the purpose of TOPFAS and CAT in particular.
- Prepare the TOPFAS CAT training environment.
- Explain how TOPFAS supports the operations planning process.

Qualification

HQ Trainer for TOPFAS CAT for User

Student Critera

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

All ranks and grades

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 CAT Practitioner/User Training Course Graduate (course ID A0267).
- Possess instructor capabilities and presentation skills.
- Have working knowledge of Microsoft Windows and the common Microsoft Office applications (Word, PowerPoint and Excel).

The student should:
- Have in-depth knowledge on Operations assessment (Assessor-CAT).

Prerequisite Course

A0267 TOPFAS CAT for User

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: 6	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 (course ID A0285). This advanced course builds upon the User course for any of the TOPFAS tools, either OPT (course ID A0265) or SAT (course ID A0266) or CAT (course ID A0267).

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 Critera

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

All ranks and grades

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 (course ID A0265) or SAT (course ID A0266) or CAT (course ID A0267) User/practitioner.
- 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

A0265 TOPFAS OPT for User
OR
A0266 TOPFAS SAT for User
OR
A0267 TOPFAS CAT for User

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 Critera

The student must meet the stated background knowledge prerequisites.

Language Proficiency

In accordance with STANAG 6001: English SLP 2222

Rank/Grade

All Ranks and Grades,CIV

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

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 Critera

The student must meet the stated background knowledge prerequisites.

Language Proficiency

In accordance with STANAG 6001: English SLP 2222

Rank/Grade

All Ranks and Grades,CIV

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 ID A0300) or possess equivalent knowledge.

Prerequisite Course

A0300 Geo Basics Level 1

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 Critera

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

All Ranks and Grades,CIV

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 ID A0301) or possess equivalent knowledge.

Prerequisite Course

A0301 Geo Basics Level 2

Core GIS Servers

Course ID
A0310

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

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 Critera

The student must meet the stated background knowledge prerequisites

Language Proficiency

In accordance with STANAG 6001: English SLP 2222

Rank/Grade

All Ranks and Grades,CIV

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

LC2IS End User (JADL ID 358)

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 Critera

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

All Ranks and Grades,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.

Prerequisite Course

N/A

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 Critera

The student must:
- Be assigned to a NATO or National HQ, fielded with LC2IS.
- Have completed the LC2IS End User Course (course ID A0450) or equivalent course.

Language Proficiency

In accordance with STANAG 6001: English SLP 3232

Rank/Grade

All Ranks and Grades,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, MS SharePoint.
- Successful completion of course ID A0450 LC2IS End User.

Prerequisite Course

A0450 LC2IS End User

AIFS Pre-study (JADL ID 106)

Course ID
A0600

Remote Participation available: no	On Demand onsite delivery available: no	Location: Self-paced Online
Minimum Class Size: N/A	Maximum Class Size: N/A	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 AID 0161.

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.

Qualification

Certificate of Attendance

Student Critera

N/A

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

Desirable:
- Working experiences as operator in a Communication Centre / Message Relay Centre / Ship Message Operation Centre or similar environment.

Prerequisite Course

N/A

SATCOM Basic (JADL ID 048)

Course ID
A0601

Remote Participation available: no	On Demand onsite delivery available: no	Location: Self-paced Online
Minimum Class Size: N/A	Maximum Class Size: N/A	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 Critera

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 IDs: A0032, A0040, A0042, A0043, A0045, A0051 and A0903.

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

Maritime FAS Pre-study (JADL ID 013)

Course ID
A0602

Remote Participation available: no	On Demand onsite delivery available: no	Location: Self-paced Online
Minimum Class Size: N/A	Maximum Class Size: N/A	Course Length (working days): 1

Purpose of Course

The purpose of the course is to provide the basic knowledge about MARITIME Functional Services.

Learning Objectives

Upon completion the course, the qualified student will be have knowledge about:
- MCCIS.
- NATO RMP/COP.
- MCCIS Workspace Manager CDE.
- Formatted Messages.
- Acronyms.

Qualification

Certificate of Attendance

Student Critera

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: NATO MCCIS Orientation & User (course ID A0270), RMP Operator (course ID A0271) and WS Management (course ID A0275).

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

MCCIS Pre-study (JADL ID 014)

Course ID
A0603

Remote Participation available: no	On Demand onsite delivery available: no	Location: Self-paced Online
Minimum Class Size: N/A	Maximum Class Size: N/A	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.

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.

Qualification

Certificate of Attendance

Student Critera

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 (course ID A0273) and MCCIS RMP Supervisor (course ID A0277).

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

Digital Communication (JADL ID 113)

Course ID
A0606

Remote Participation available: no	On Demand onsite delivery available: no	Location: Self-paced Online
Minimum Class Size: N/A	Maximum Class Size: N/A	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.

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.

Qualification

Certificate of Attendance

Student Critera

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

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

Public Key Infrastructure Pre-study (JADL ID 114)

Course ID
A0607

Remote Participation available: no	On Demand onsite delivery available: no	Location: Self-paced Online
Minimum Class Size: N/A	Maximum Class Size: N/A	Course Length (working days): 1

Purpose of Course

The purpose of the course is to provide an overview of the Public Key Infrastructure.

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 Critera

N/A

Language Proficiency

In accordance with STANAG 6001: English SLP 3232

Rank/Grade

All Ranks and Grades,CIV

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

N/A

MCCIS Advanced (JADL ID 031)

Course ID
A0609

Remote Participation available: no	On Demand onsite delivery available: no	Location: Self-paced Online
Minimum Class Size: N/A	Maximum Class Size: N/A	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.

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 Critera

The student must be assigned to course IDs A0273, A0275 and A0277.

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

DCIS Network Engineering Pre-study (JADL ID 366)

Course ID
A0612

Remote Participation available: no	On Demand onsite delivery available: no	Location: Self-paced Online
Minimum Class Size: N/A	Maximum Class Size: N/A	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 course ID A0915.
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 course ID A0915.

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.

Qualification

Certificate of Attendance

Student Critera

The student must:
- Be eligible to access the NATO Joint Advanced Distance Learning (JADL).
- Be assigned to attend course ID A0915 in the near future.

Language Proficiency

In accordance with STANAG 6001: English SLP 3232

Rank/Grade

All Ranks and Grades,CIV

Special Instructions

The course is conducted on the NATO JADL under course number 130 via https://jadl.act.nato.int/

Security Clearance

NATO UNCLASSIFIED (NU)

Pre-Course Study Material

N/A

Background

- Have passed course ID A0236 or the NCI Academy 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.

Prerequisite Course

A0236 NATO Networking Infrastructure (CCNA R&S)

Dragonfly Familiarization (JADL ID 361)

Course ID
A0613

Remote Participation available: no	On Demand onsite delivery available: no	Location: Self-paced Online
Minimum Class Size: N/A	Maximum Class Size: N/A	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 Critera

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

All Ranks and Grades,CIV

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

Cisco On-Line CCNA Module 1. - Introduction to Networks (ITN)

Course ID
A0650

Remote Participation available: yes	On Demand onsite delivery available: no	Location: Remote only
Minimum Class Size: 10	Maximum Class Size: 15	Course Length (working days): 20

Purpose of Course

Students achieve a basic understanding of how networks operate and how to build simple local area networks (LAN), perform basic configurations for routers and switches, and implement Internet Protocol (IP).
Introduction to Networks (ITN) covers the architecture, structure, functions and components of the Internet and other computer networks.

The Course is intended to provide the CCNA v7 Module 1 (Introduction to Networks -ITN) curriculum in a time period of 4 weeks.

The course is delivered as self-study online course. 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.

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 NCI Academy. 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.

Learning Objectives

By the end of the course, students will be able to:
- Configure switches and end devices to provide access to local and remote network resources.
- Explain how physical and data link layer protocols support the operation of Ethernet in a switched network.
- Configure routers to enable end-to-end connectivity between remote devices.
- Create IPv4 and IPv6 addressing schemes and verify network connectivity between devices.
- Explain how the upper layers of the OSI model support network applications.
- Configure a small network with security best practices.
- Troubleshoot connectivity in a small network.

Qualification

Upon completion of the course, students will be qualified to attend:
- NCI Academy VOIP Foundation (course ID A0095)
- NCI Academy Call Manager and Voice over Secure IP (course ID A0097) (CCNA in full recommended)
- NATO Networking Infrastructure – CCNA (course ID A0236)

Student Critera

N/A

Language Proficiency

In accordance with STANAG 6001: English SLP 3232

Rank/Grade

All Ranks and Grades,CIV

Special Instructions

The course is remotely tutored by a Cisco Certified Academy Instructor.

A Computer with Internet connectivity and with the following minimum prerequisites is required to install and run latest version of Web Browser (Edge, Mozilla, Chrome or Opera), latest Cisco Packet Tracer, Java and Adobe Flash:

- CPU: Intel i3 or equivalent.
- OS: Microsoft Windows 7, 8 or 10 or Ubuntu 12.04 LTS or higher.
- RAM: 512 MB Free.
- Storage: 250 MB of free disk space (No tutorials).
- Screen resolution: 800 x 600 or higher.
- Macromedia Flash Player.
- Language fonts supporting Unicode encoding (if viewing in languages other than English).
- Latest video card drivers and operating system updates.

Security Clearance

NATO UNCLASSIFIED (NU)

Pre-Course Study Material

N/A

Background

- Basic knowledge of TCP/IP is highly recommended. Students with no previous knowledge of networking may find this course very demanding.
- In addition, course ID A0650 is designed for students with basic PC skills and foundational math and problem solving skills.

Prerequisite Course

N/A

CISCO Cybersecurity Fundamentals

Course ID
A0740

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

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

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 Critera

N/A

Language Proficiency

In accordance with STANAG 6001: English SLP 3232

Rank/Grade

OR3, OR4, OR5, OR6, OR7, OR8, OR9, OF1, OF2, OF3, Civilian Equivalent

Special Instructions

N/A

Security Clearance

NATO UNCLASSIFIED (NU)

Pre-Course Study Material

N/A

Background

N/A

Prerequisite Course

N/A

CISCO Cyber Security Operations

Course ID
A0741

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

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.

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 Critera

N/A

Language Proficiency

In accordance with STANAG 6001: English SLP 3232

Rank/Grade

OR3, OR4, OR5, OR6, OR7, OR8, OR9, OF1, OF2, OF3, Civilian Equivalent

Special Instructions

N/A

Security Clearance

NATO UNCLASSIFIED (NU)

Pre-Course Study Material

N/A

Background

N/A

Prerequisite Course

N/A

Cyber-Intelligence and Situational Awareness

Course ID
A0758

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 a solid understanding of cyberspace, the available intelligence information within it and how to apply effective methodologies and techniques to further organisational objectives.

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.

Qualification

Cyber Intell Analyst

Student Critera

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, OR7, OR8, OR9, OF2, OF3, 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

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.

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.

Qualification

Critical Infrastructure and Systems Cybersecurity Advisor

Student Critera

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, OF3, OF4, OF5, 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

- 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

Digital Leadership and Team Management

Course ID
A0765

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

In general, the aim is to develop the following skills and knowledge:
- A strategic approach to change and leadership.
- To develop a collaborative working environment at a macro-level.
- To develop collaborative abilities, attributes and attitudes at a team management as well as at an individual level.
- 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 Critera

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, OF3, OF4, OF5, 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

CALI IS Administrator

Course ID
A0901

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 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 be considered after the pre-requisites.

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 fit within this structure.
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.

Qualification

CALI IS Administrator

Student Critera

The student must have:
1. Successfully completed course ID A0961.
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

All Ranks and Grades,CIV

Special Instructions

N/A

Security Clearance

NATO SECRET (NS)

Pre-Course Study Material

N/A

Background

- Successfully completed course ID A0961.
- Networking Basics.

Prerequisite Course

A0961 NATO Deployable IS Administrator

CALI ComS Operator

Course ID
A0902

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

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 ID A0901), and the Transmission Services element (course ID A0903) to support Crew Training.
Training is conducted on LINC-E training systems. Operators of CGS, ACP or IMCD should follow-up the course with on the job training on their respective systems.

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 Critera

Students 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. Meet the Background Knowledge Prerequisites for this course.

Language Proficiency

In accordance with STANAG 6001: English SLP 3232

Rank/Grade

All Ranks and Grades,CIV

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

A0095 NATO Voice over IP Foundation
A0236 NATO Networking Infrastructure (CCNA R&S)
A0650 Cisco On-Line CCNA Module 1. - Introduction to Networks (ITN)

NATO CALI X-Band Deployable Satellite Ground Terminal (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 the knowledge and skills to operate and perform limited preventive maintenance on the Deployable Satellite Ground Terminal (DSGT) as integrated with the CALI systems. 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.
- Integrate the DSGT system with the main CALI Systems and perform basic link quality tests.

Qualification

NATO CALI DSGT Operator

Student Critera

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 Basic (course ID A0601) at https://jadl.act.nato.int/ There will be an Exam on arrival and 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

All Ranks and Grades,CIV

Special Instructions

Course to be scheduled in parallel with the CALI IS Administrator (course ID A0901) and CALI Comms Operator (course ID A0902) modules.

Security Clearance

NATO SECRET (NS)

Pre-Course Study Material

Student has to complete the SATCOM Basic (course ID A0601) at https://jadl.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

A0601 SATCOM Basic (ADL)

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: 3	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 be 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 Critera

The student must have:
1. Successfully completed course IDA0961.
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

All Ranks and Grades,CIV

Special Instructions

N/A

Security Clearance

NATO SECRET (NS)

Pre-Course Study Material

N/A

Background

- Successfully completed the course ID A0961.
- Networking Basics.

Prerequisite Course

A0961 NATO Deployable IS Administrator

NRF DCIS (Dragonfly) ComS Operator

Course ID
A0912

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 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. 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 to support Crew Training.

Learning Objectives

Based on DCIS ComS Foundation Training and introduction to the System received during the Physical Deployment Training, given the prerequisites 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 NRF DCIS (Dragonfly) IS System and Service Desk (course ID A0910) to support Crew Training.

Qualification

NRF DCIS (Dragonfly) ComS Operator

Student Critera

Students 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. Meet the Background Knowledge Prerequisites for this course.

Language Proficiency

In accordance with STANAG 6001: English SLP 3232

Rank/Grade

All Ranks and Grades,CIV

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

A0095 NATO Voice over IP Foundation
A0236 NATO Networking Infrastructure (CCNA R&S)

NATO DCIS ComS Engineering

Course ID
A0915

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 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 Critera

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

All Ranks and Grades,CIV

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.

Security Clearance

NATO SECRET (NS)

Pre-Course Study Material

Course ID A0612 DCIS Network Engineering (JADL course ID 130, via www.jadl.act.nato.int).

Background

Essential Pre-requisites:
- Successful completion of pre-requisite courses.
- Be assigned to a DCIS environment.
- 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

A0236 NATO Networking Infrastructure (CCNA R&S)
A0612 DCIS Network Engineering Pre-study (ADL)
A0902 CALI ComS Operator
A0912 NRF DCIS (Dragonfly) ComS Operator

Mini PoP Operator

Course ID
A0916

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

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.

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 Critera

Students 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. Meet the Background Knowledge Prerequisites for this course.

Language Proficiency

In accordance with STANAG 6001: English SLP 3232

Rank/Grade

All Ranks and Grades,CIV

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

It is required that the students have networking knowledge: course ID A0236 or course ID A0650 or equivalent.

It is highly desirable that students have:
- IS knowledge: course ID A0961 or relevant experience.
- Voice over IP knowledge: course ID A0095 or relevant experience

It is desirable that students have SATCOM knowledge: course ID A0051 or course ID A0903 or relevant experience.

Prerequisite Course

A0236 NATO Networking Infrastructure (CCNA R&S)
or
A0650 Cisco On-Line CCNA Module 1. - Introduction to Networks (ITN)

DCIS CES Voice Technician

Course ID
A0932

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 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.
- 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.

All students will undertake a practical and theoretical exam at the end of the course.

Qualification

DCIS CES Video Technician

Student Critera

Students 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. Meet the Background Knowledge Prerequisites for this course.

Language Proficiency

In accordance with STANAG 6001: English SLP 3232

Rank/Grade

All Ranks and Grades,CIV

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 course ID A0095 - VoIP Foundation and course ID A0097 - NATO Call Manager & VoSIP

Prerequisite Course

A0095 NATO Voice over IP Foundation
A0097 NATO Call Manager & Voice over Secure IP (VoSIP)

NATO Deployable IS Administrator

Course ID
A0961

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 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 Critera

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

All Ranks and Grades,CIV

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

NATO CIS Technical Instructor

Course ID
A0970

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

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.

Learning Objectives

Upon completion of the course, the qualified student will be able to:
- Describe NATOs SAT Process.
- Describe the NCI Academy 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.

Qualification

NATO CIS Technical Instructor

Student Critera

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

All Ranks and Grades,CIV

Special Instructions

The candidate must:
- Have been assigned to a NATO Training Facility or National Training Facility as a technical instructor.
- Meet the background knowledge prerequisites for this course.

Security Clearance

NATO UNCLASSIFIED (NU)

Pre-Course Study Material

N/A

Background

N/A

Prerequisite Course

N/A

Methods of CIS Course Development for NATO

Course ID
A0971

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

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.

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.

Qualification

NATO CIS Technical Course Developer

Student Critera

N/A

Language Proficiency

In accordance with STANAG 6001: English SLP 3232

Rank/Grade

All Ranks and Grades,CIV

Special Instructions

- The course requires work to be done outside normal class hours and students are suggested to bring a laptop computer to work on outside normal class hours.
- All students will undertake a final exam at the completion of the course.
- All students will undertake practical exercises to demonstrate the ability to apply the skills that were taught. To make the exercises more realistic, students are requested to bring materials (Unclassified) from their normal duties to be used on the exercises.

Security Clearance

NATO UNCLASSIFIED (NU)

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

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: 3	Maximum Class Size: 6	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 Unix/Linux system with a basic Unix/Linux installation and a set of administrator tools, the product being called NISP on the latest version, and to install, maintain and modify an ICC-Server, the product being called ICC on it's latest version.

Learning Objectives

Students will be able to identify and troubleshoot and fix installation problems.

1. Server Configuration
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.
c. Troubleshoot network configurations and work with the VI Editor to modify system files.

4. Intermediate Knowledge
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 Knowledge
a. Mount external file systems, decide on permission issues, modify and edit the respective configuration files.
b. Apply the crontab routines, use the SSH tools and ability to perform remote logins to maintain clients and servers.

6. 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.

7. 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.

8. 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.

9. 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.

Qualification

Combined NISP ICC System Administrator (CNIC)

Student Critera

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

Windows ICC System Administrator (WICC)

Course ID
A1001

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 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
Students perform the installation of Oracle database and ICC on a Windows Server platform.

2. DB Admin Tool and Demo Database Management
a. Students perform the installation of the Demo Database and familiarize themselves with the DB Admin Tool.
b. Students learn to create, copy, modify, delete Databases with the DB Admin Tool COSI License Installation and Troubleshooting.
c. 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 installation, ICC Databases
Students familiarize themselves with the file locations and editing features of the ICC application.

Qualification

Windows ICC System Administrator

Student Critera

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

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

Qualification

ACCS System Manager

Student Critera

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

N/A

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

Qualification

ACCS Security Officer

Student Critera

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 priorities.

Security Clearance

NATO UNCLASSIFIED (NU)

Pre-Course Study Material

N/A

Background

Basic Unix.

Prerequisite Course

N/A

ACCS Communication Manager

Course ID
A1004

Remote Participation available: no	On Demand onsite delivery available: yes	Location: MTT
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

Qualification

ACCS Communication Manager

Student Critera

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 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

NISP System Administrator

Course ID
A1006

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 aim of the course is to enable personnel with little or no experience to install, maintain and modify a Unix/Linux System with a basic Unix/Linux installation and a set of administrator tools, the product being called NISP at the latest approved version.

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.
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.
b. First Aid when Things go wrong.
c. Mail Server Setup in NISP.
d. Backup of NISP.
e. Backup of other files.
f. Creation of a Flash Archive of the system.
g. Restore the backups according to SIP and SAM.

7. 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.

8. SSH
Execute commands of SSH and learn about the advantages of this security tool.

Qualification

NISP System Administrator.

Student Critera

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

JTS/FAST System Administrator

Course ID
A1007

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 aim of the course is to enable personnel with little or o experience to install, maintain and modify a JTS/FAST application on a Linux or SOLARIS operating system, the product being called JTS/FAST at the latest approved version. 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
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
a. Settings for users.
b. Site Wide Settings.

4. Installation of JTS upgrade
a. Installation JTS version locally.
b. Installation of JTS in a Mixed configuration
c. Installation of JTS in a Shared configuration

5. Installation of FAST
a. Installation of FAST.
b. Upgrading to FAST.
c. Settings of FAST.

6. Overview of JTS/FAST tools (Alertserver, MIMI, WISI)

Qualification

JTS/FAST System Administrator (JTS)

Student Critera

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 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

ACCS-ICC Interface Administration

Course ID
A1008

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 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
Student s 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 comprove 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 Critera

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

ASIM System Administrator

Course ID
A1010

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): 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 Critera

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

MASE - MICE CONSOLE MIGRATION (MMC)

Course ID
A1011

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 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, Strobes).
- 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.
- 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 Critera

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

NIRIS SYSTEM ADMINISTRATOR

Course ID
A1012

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 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 Critera

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

AirC2IS User

Course ID
A1013

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 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 OPFORTBMDCOA.
- 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 Critera

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

AirC2IS System Administrator

Course ID
A1014

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

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 Critera

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

Integrated Training Capability (ITC) Technical Control Officer (TCO)

Course ID
A1015

Remote Participation available: yes	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

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 Critera

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

All Ranks and Grades,CIV

Special Instructions

N/A

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

A1000 Combined NISP ICC System Administrator (CNIC)
A1001 Windows ICC System Administrator (WICC)

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.

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.

Qualification

ACCS Database Manager

Student Critera

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

N/A

Security Clearance

NATO RESTRICTED (NR)

Pre-Course Study Material

N/A

Background

- UNIX.
- Knowledge of RDBMS and Oracle desirable.

Prerequisite Course

N/A

NIRIS SYSTEM ADMINISTRATOR UPDATE (NIR-UP)

Course ID
A1028

Remote Participation available: no	On Demand onsite delivery available: yes	Location: MTT
Minimum Class Size: 3	Maximum Class Size: 6	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 Critera

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

A1012 NIRIS SYSTEM ADMINISTRATOR (NIR)

SHAPE IM Foundation

Course ID
A2501

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 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 Critera

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

All Ranks and Grades,CIV

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

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.

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 Critera

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

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

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.

Learning Objectives

- Understand the SharePoint structure and how to use the sub-sites.
- Set up a Network Place using Windows 10.
- 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.

Qualification

MS-SharePoint User

Student Critera

- 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

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

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 Critera

- 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

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

MS-Windows 10 User

Course ID
A2522

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 Windows 10 Operating System in a good and efficient way.
This course is specifically tailored to the NATO environment.

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.

Qualification

MS-Windows 10 User

Student Critera

- 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

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.

Prerequisite Course

N/A

SHAPE CIS Coordinators

Course ID
A2525

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): 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.

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.

Qualification

SHAPE CIS Coordinator/POC

Student Critera

- 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

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

MS-Excel 2016 User

Course ID
A2528

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 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 Critera

- 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

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

MS-Excel 2016 Advanced User

Course ID
A2529

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 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 Critera

- 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

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-Excel 2016 User training subjects.

Prerequisite Course

N/A

MS-PowerPoint 2016 User

Course ID
A2530

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 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.

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.

Qualification

MS-PowerPoint User

Student Critera

- 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

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

MS-PowerPoint 2016 Advanced User

Course ID
A2531

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 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 Critera

- 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

MS-Outlook 2016 User

Course ID
A2532

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 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 Critera

- 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

MS-Outlook 2016 Advanced User

Course ID
A2533

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 MS-Outlook 2016 application using more advanced features.
This course is specifically tailored to the NATO environment.

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).

Qualification

MS-Outlook Advanced User

Student Critera

- 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

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-Outlook 2016 User training subjects.

Prerequisite Course

N/A

MS-Word 2016 User

Course ID
A2534

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 Word 2016 application for creating documents in a more productive, professional and efficient way.
This course is specifically tailored to the NATO environment.

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/Overtype 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.

Qualification

MS-Word User

Student Critera

- 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

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

MS-Word 2016 Advanced User

Course ID
A2535

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 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 Critera

- 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

Tasker Tracker + (TT+)

Course ID
A2536

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, 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.

Learning Objectives

- 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.

Qualification

Tasker Tracker User

Student Critera

- Course attendees are all SHAPE Staff members who are involved with the Tasker Tracker procedures.
- 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

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

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: 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 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.
- 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.

Qualification

EDMS User

Student Critera

- 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

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

EDMS - Functional Administrator

Course ID
A2538

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): 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 Critera

- Course attendees are those Staff members who are appointed to be the EDMS Functional Admins.
- 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

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

TT+ - Functional Administrator

Course ID
A2539

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): 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 Critera

- Course attendees are Staff members who are who are appointed to be the TT+ Functional Admins.
- 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

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

PRINCE2 Foundation & Practitioner Certification Exam Preparation

Course ID
A3000

Remote Participation available: yes	On Demand onsite delivery available: yes	Location: Mons (BEL), Oeiras (PRT)
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.

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 Critera

N/A

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

- 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 Development, is recommended.

Prerequisite Course

N/A

MSP Practitioner Certification Exam Prep

Course ID
A3001

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

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.

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 Critera

N/A

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

Managing Successful Programmes 2011 EditionPre-Course Study Guide.

Background

Some previous training or experience of working in a change programme or project environment would be an advantage and is highly recommended.

Prerequisite Course

N/A

Project Management Professional (PMP) Exam Prep

Course ID
A3002

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 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 Critera

N/A

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

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

ITIL 4 Foundation Certification Training

Course ID
A3003

Remote Participation available: yes	On Demand onsite delivery available: yes	Location: Mons (BEL), Oeiras (PRT)
Minimum Class Size: 8	Maximum Class Size: 12	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 Critera

N/A

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

- ITIL 4 Foundation Handbook.
- Learning Tree Pre-Course Study Guide.

Background

N/A

Prerequisite Course

N/A

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.

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 Critera

N/A

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

- Key Element Guide ITIL Service Strategy
- Pre-Course Study Guide

Background

You must hold the ITIL Foundation Certificate.

Prerequisite Course

N/A

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.

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 Critera

N/A

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

- Key Element Guide ITIL Service Design
- Pre-Course Study Guide

Background

You must hold the ITIL Foundation Certificate.

Prerequisite Course

N/A

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.

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 Critera

N/A

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

- Key Element Guide ITIL Service Transition
- Pre-Course Study Guide

Background

You must hold the ITIL Foundation Certificate.

Prerequisite Course

N/A

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.

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 Critera

N/A

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

- Key Element Guide ITIL Service Operation
- Pre-Course Study Guide

Background

You must hold the ITIL Foundation Certificate.

Prerequisite Course

N/A

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.

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 Critera

N/A

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

- Key Element Guide ITIL Continual Service Improvement
- Pre-Course Study Guide

Background

You must hold the ITIL Foundation Certificate.

Prerequisite Course

N/A

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.

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 Critera

N/A

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

- Operational Support and Analysis ITIL Intermediate Capability Handbook
- Pre-Course Study Guide

Background

You must hold the ITIL Foundation Certificate.

Prerequisite Course

N/A

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.

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 Critera

N/A

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

- Service Offerings and Agreements ITIL 2011 Intermediate Capability Handbook
- Pre-Course Study Guide

Background

You must hold the ITIL Foundation Certificate.

Prerequisite Course

N/A

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.

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 Critera

N/A

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

- Release, Control and Validation ITIL Intermediate Capability Handbook
- Pre-Course Study Guide

Background

You must hold the ITIL Foundation Certificate.

Prerequisite Course

N/A

COBIT 5 Foundation

Course ID
A3014

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

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.

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 Critera

N/A

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

- 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 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

Microsoft Project Introduction

Course ID
A3019

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

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.

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 Critera

N/A

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

Basic knowledge of Project Management concepts.

Prerequisite Course

N/A

Administering Windows Server 2012

Course ID
A3022

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

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 Critera

N/A

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

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

Deploying VMware vSphere

Course ID
A3024

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): 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.

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 Critera

N/A

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

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

N/A

Certified Ethical Hacker (CEH) Certification Exam Preparation

Course ID
A3025

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 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.

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 Critera

N/A

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

A minimum of two years of security related experience as well as a strong practical working knowledge of TCP/IP is suggested.

Prerequisite Course

N/A

Vulnerability Assessment Training: Protecting Your Organisation

Course ID
A3027

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): 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.

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 Critera

N/A

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

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; a working knowledge of TCP/IP is also helpful.

Prerequisite Course

N/A

Project Management Training: Skills for Success

Course ID
A3028

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): 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.

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 Critera

N/A

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

Influence Skills Training: Getting Results without Direct Authority

Course ID
A3030

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): 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.

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 Critera

N/A

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

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 dramatic results.

Prerequisite Course

N/A

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.

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 Critera

N/A

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

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.

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 Critera

N/A

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

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

N/A

McAfee VirusScan and ePolicy Administrator

Course ID
A3039

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): 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.

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 Critera

N/A

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

Automating Administration with PowerShell

Course ID
A3041

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

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 Critera

N/A

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

Advanced Automated Administration with PowerShell

Course ID
A3042

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

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.

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 Critera

N/A

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

Agile Project Management Training for Practitioner & Foundation Certification

Course ID
A3043

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

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 Critera

N/A

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

- 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

Introduction to SQL Language

Course ID
A3045

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

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.

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 Critera

N/A

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

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 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

Network Configuration and Troubleshooting

Course ID
A3046

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): 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.

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 Critera

N/A

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

A solid networking foundation is assumed.

Prerequisite Course

N/A

Defending the Perimeter from Cyber Attacks

Course ID
A3048

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): 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.

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 Critera

N/A

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

It is recommended that attendees have basic security knowledge at the level of Course ID A3029: Introduction to System and Network Security. A working knowledge of TCP/IP and client server architecture is beneficial.

Prerequisite Course

N/A

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.

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 Critera

N/A

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

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

N/A

Planning and Administering SharePoint 2016

Course ID
A3064

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 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 Critera

N/A

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

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

Advanced Solutions of Microsoft Exchange Server 2013

Course ID
A3065

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 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.

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.

Qualification

Certificate of Attendance

Student Critera

N/A

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

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.

Prerequisite Course

N/A

Administering Microsoft SQL Server 2014 Databases

Course ID
A3067

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 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 Critera

N/A

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

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

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.

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 Critera

N/A

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

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

N/A

VMware vSphere: Install, Configure, Manage (V6.7)

Course ID
A3079

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

VMware vSphere: Install, Configure, Manage (V6.7) is a five day course providing intensive hands-on training that focuses on installing, configuring and managing VMware vSphere 6.7, which includes VMware ESXi 6.7 and VMware vCenter Server 6.7. 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.

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 Critera

N/A

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

Preparing for TOGAF Certification

Course ID
A3080

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): 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.

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 Critera

N/A

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

While familiarity with TOGAF 9 is beneficial, the course has no official prerequisites, and provides attendees with the level of detail needed to pass the exam.

Prerequisite Course

N/A

CA Spectrum r10.1: Foundations 200

Course ID
A3082

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 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 Critera

- System Administrators
- Network Administrators
- Implementation Consultants

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

- Working knowledge of networking.
- Familiarity with Simple Network Management Protocol (SNMP).

Prerequisite Course

N/A

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.

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 Critera

N/A

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

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).

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 Critera

N/A

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

McAfee Data Loss Prevention Endpoint Administration (11.0)

Course ID
A3088

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): 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 Critera

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

All Ranks and Grades,CIV

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

Lean Six Sigma: Yellow Belt

Course ID
A3090

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

The Lean Six Sigma Yellow Belt training is designed to provide delegates with a good understanding of the basic Lean Six Sigma methods and prepare them not only to participate as contributors to Lean Six Sigma projects, but also to start to address simple improvements in their own working area. Yellow Belts are not experts in the methodology, but understand the activities, deliverables and key concepts of Team problem-solving. This course will be delivered by a commercial provider selected by the NCI Agency.

Learning Objectives

At the end of this course you will be able to:
- Understand the key principles of Lean Six Sigma.
- Identify improvement opportunities in your organisation (projects).
- Understand and use the Define, Measure, Analyse, Improve, Control (DMAIC) model and key activities.
- Use the basic tools and techniques.
- Understand the role of Yellow Belts in Lean Six Sigma projects.
- Be able to run small improvements in their day-to-day work processes.

Qualification

Certificate of Attendance

Student Critera

N/A

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

Management of Risk: Foundation & Practitioner

Course ID
A3092

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

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.

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 help 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 Critera

N/A

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

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 Critera

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

All Ranks and Grades,CIV

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

Lean Six Sigma: Green Belt

Course ID
A3096

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

Lean Six Sigma is a pragmatic approach that emphasises the importance of focusing on delivering what the customer wants by utilising the skills and knowledge of the employees.

Improvement projects aim to reduce the cost of poor quality, increase process capability, minimise process cycle time and remove waste to deliver what the customer wants, ultimately resulting in increased customer satisfaction.

Lean Six Sigma Green Belt Practitioner provides the skills necessary to successfully complete DMAIC projects, including basic knowledge of planning, team problem-solving methods and improvement strategies.

This course will be delivered by a commercial provider selected by the NCI Agency.

Learning Objectives

At the end of this course you will be able to:
- Understand problem solving and process improvement methods.
- Plan and manage a real Lean Six Sigma DMAIC project.
- Identify the elements of Cost of Poor quality and waste in a process.
- Structure a measurement system and identify the appropriate metrics to support quantitative process improvement efforts.
- Understand root cause analysis and value analysis methods Understand Process Improvement strategies.
- Communicate with key stakeholders and drive change in the organisation.
- Use many of the common process improvement tools.

Qualification

Certificate of Attendance

Student Critera

This course includes a refresher of the content encountered in the Yellow Belt course. It is therefore recommended that delegates who have attended the Yellow Belt course gain several months of practical experience before returning to complete this course.

N.B. It is not a requirement to attend the Yellow Belt training before you attend the Green Belt course

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

Virtualization Technologies Introduction

Course ID
A3097

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): 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.

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

Certificat of Attendance

Student Critera

N/A

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

Security Essentials Bootcamp Style Self Study Online

Course ID
A3098

Remote Participation available: no	On Demand onsite delivery available: no	Location: Self-paced Online
Minimum Class Size: N/A	Maximum Class Size: N/A	Course Length (working days): 6

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.

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 Critera

N/A

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

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. This course will be delivered by a commercial provider selected by the NCI Agency.

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.

Qualification

This course prepares you to take the Windows 10 exam

Student Critera

Candidates for this exam are IT professionals who perform installation, configuration, 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

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

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. This course will be delivered by a commercial provider selected by the NCI Agency.

Learning Objectives

Understand Network Infrastructures; Network Hardware; Protocols and Services; Understand Security Layers; Operating System Security; Network Security and Security Software

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

Qualification

Certificate of Attendance

Student Critera

N/A

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

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

This is NATO Modularised Microsoft Training for Deployment composed of 6 tailored modules :
Module 1: Implementing operating system deployment by using the MDT
This module describes the components of the MDT, and how you can configure an operating system deployment strategy by using the MDT.
Module 2: Installing and configuring domain controllers
This module describes features of AD DS and how to install domain controllers (DCs). It also covers the considerations for deploying DCs.
Module 3: Managing objects in AD DS
This module describes how to use various techniques to manage objects in AD DS. This includes creating and configuring user, group, and computer objects.
Module 4: Implementing DHCP
This module explains how to plan and implement DHCP to support the IPv4 infrastructure.
Module 5: Implementing DNS
This module explains how to install and configure DNS within the organization's network.
Module 6: Implementing File and Print Services
This module discusses how to provide file and print resources with Windows Server 2012. It describes how to secure files and folders, how to protect previous versions of files and folders by using shadow copies, and how to give workers remote access to corporate files by implementing the new Work Folders role service. It also describes new network printing features that help manage the network printing environment.
This course will be delivered by a commercial provider selected by the NCI Agency.

Learning Objectives

Students will learn how to :
- 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 Critera

N/A

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

Implementing an Advanced Server Infrastructure

Course ID
A3109

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

This five-day official Microsoft Advanced Server Infrastructure 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 a commercial provider selected by Agency.

Learning Objectives

Students will learn how to :
- 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 virtualization administration solution by using System Centre 2012.
- Plan and implement a server monitoring strategy using the Windows Server 2012 tools and using Microsoft System Center 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 PKI deployment and certificate management solution.
- Plan and implement 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 Critera

- 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 and of course ID A3108 Managing MDT client deployments in a Microsoft Windows Server Environment.

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

Firewall: Optimizing Firewall Threat Prevention

Course ID
A3111

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): 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.

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 Critera

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

All Ranks and Grades,CIV

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 (course ID A3114) or have equivalent experience. Students must have a basic familiarity with networking concepts including routing, switching, and IP addressing.

Prerequisite Course

N/A

Troubleshooting Active Directory Services with Windows Server Training

Course ID
A3112

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 official Microsoft course provides hands-on instruction and practice administering Active Directory technologies in Windows Server 2012 and Windows Server 2012 R2. You will learn the skills you need to better manage and protect data access and information, simplify deployment and management of your identity infrastructure, and provide more secure access to data. This course will be provided by commercial provider selected by NCI Agency.

Learning Objectives

- Understand available solutions for identity management and be able to address scenarios with appropriate solutions.
- Deploy and administer AD DS in Windows Server 2012.
- Secure AD DS deployment.
- Implement AD DS sites, configure and manage replication.
- Implement and manage Group Policy.
- Manage user settings with Group Policy.
- Implement certification authority (CA) hierarchy with AD CS and how to manage CAs.
- Implement, deploy and manage certificates.
- Implement and manage AD RMS.
- Implement and administer AD FS.
- Secure and provision data access using technologies such as Dynamic Access Control, Work Folders and Workplace Join.
- Monitor, troubleshoot and establish business continuity for AD DS services.
- Implement Windows Azure Active Directory.
- Implement and administer Active Directory Lightweight Directory Services (AD LDS).

Qualification

Certificate of Attendance

Student Critera

This is an intermediate-level training course which requires some knowledge of and experience with Active Directory Domain Services.

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

- Experience working with Active Directory Domain Services (AD DS).
- Experience working in a Windows Server Infrastructure enterprise environment.
- Experience working with and troubleshooting core networking infrastructure technologies such as name resolution, IP Addressing, Domain Name System (DNS) and Dynamic Host Configuration Protocol (DHCP).
- Experience working with Hyper-V and Server Virtualisation concepts.
- An awareness and understanding of general security best practises.
- Experience working hands on with Windows client operating systems such as Windows Vista, Windows 7 or Windows 8.

Prerequisite Course

N/A

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 a commercial provider selected by the Agency.

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 Critera

N/A

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

Working knowledge of networking to the level of:
- 9 to 12 months of experience in IT networking.
- CompTIA Network+ or equivalent certification.

Prerequisite Course

N/A

Firewall Essentials: Configuration and Management

Course ID
A3114

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 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.
This course will be delivered by a commercial provider selected by the NCI Agency.

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 Critera

N/A

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

- 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

Panorama 8.1: Manage Firewalls at Scale e-learning

Course ID
A3115

Remote Participation available: no	On Demand onsite delivery available: no	Location: Self-paced Online
Minimum Class Size: N/A	Maximum Class Size: N/A	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 Critera

Students must complete either the e-Learning A3116 Firewall Essentials: Configuration and Management (EDU-110) or instructor-led training A3114 Firewall Essentials: Configuration and Management (EDU-210) version of the training, 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

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

Firewall 8.1. Essentials: Configuration and Management e-learning

Course ID
A3116

Remote Participation available: no	On Demand onsite delivery available: no	Location: Self-paced Online
Minimum Class Size: N/A	Maximum Class Size: N/A	Course Length (working days): 1

Purpose of Course

Firewall Essentials EDU-110 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.
This course will be delivered by a commercial provider selected by the NCI Agency.

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.

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 Critera

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

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

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

The Palo Alto Networks Firewall 9.0 Essentials: Configuration and Management (EDU-210) 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 da-ta-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 student's 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

Certificate of Attendance and PCNSA certification

Student Critera

Security Administrators, Security Operations Specialists, Security Analysts, Security Engineers, and Security Architects.

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

Students must complete course ID A3114 Firewall Essentials: Configuration and Management, and be familiar with Palo Alto Networks next-generation firewall management and basic networking concepts, including routing and IP addressing.

Prerequisite Course

N/A

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

The Palo Alto Networks Firewall 9.0: Troubleshooting course is three days of instructor-led training that will help you:
- 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.

Learning Objectives

Successful completion of this three-day, instructor-led course should enhance the participant's 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.

Qualification

Certificate of Attendance and PCNSA certification

Student Critera

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

All Ranks and Grades,CIV

Special Instructions

N/A

Security Clearance

NATO UNCLASSIFIED (NU)

Pre-Course Study Material

N/A

Background

Participants must complete course ID A3114 Firewall Essentials: Configuration and Management. Participants must have 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

Administering the Web Server (IIS) Roles of Windows Server

Course ID
A3121

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 IIS course is intended to help provide pre-requisite skills supporting a broad range of Internet web applications, security, and knowledge to help support other products that use IIS such as Exchange and SharePoint. In keeping with that goal, this course will not focus on any particular web application or development practise. This course will be delivered by a commercial provider selected by the NCI Agency.

Learning Objectives

In this course students will learn how to :
- Install IIS.
- Configure the default web site.
- Configure and manage application pools.
- Create additional web sites.
- Configure web sites and application support.
- Secure web sites and applications.
- Secure web site data transmission.
- Manage certificates in the Centralised Certificate Store.
- Configure remote administration.
- Implement FTP.
- Monitor IIS.
- Backup and restore IIS.
- Build load-balanced web farms.

Qualification

Certificate of Attendance

Student Critera

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

All Ranks and Grades,CIV

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:
- Experience with Windows networking technologies and implementation.
- Experience with Windows Server administration, maintenance, and troubleshooting.
- Experience with Windows Client administration, maintenance, and troubleshooting.

Prerequisite Course

N/A

PostgreSQL Administration

Course ID
A3123

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 course aims to provide the delegate with the knowledge to be able to install, administer, maintain, backup, recover and tune a PostgreSQL database.

Learning Objectives

By the end of this training students will learn how to :
- Install PostgreSQL.
- Create a database.
- Manage roles and privileges.
- Manage schemas.
- Transaction handling and concurrency.
- Examine statistics and system tables.
- Manage table spaces.
- Understand error reporting and logging.
- Carry out periodic maintenance with Autovacuum.
- Backup and recover databases.
- Create indexes to improve table access.
- Optimize queries and indexes.
- Configure settings for increased performance.
- Populate a new database efficiently.

Qualification

Certificate of Attendance

Student Critera

This PostgreSQL Administration course is designed for professional database administrators who need to gain an understanding of the features and functionality that can be used to manage PostgreSQL 10 and 11 databases. This course is also suitable for users of PostgreSQL 9 databases.

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

Students should have knowledge in Linux and SQL for PostgreSQL.

Prerequisite Course

N/A

Microsoft Windows PowerShell for Administrators

Course ID
A3124

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): 4

Purpose of Course

This course provides students with the knowledge and skills to leverage Microsoft Windows PowerShell v2 to administer their Windows environment. Both the command line environment and the scripting capabilities inherent in Microsoft's automation engine are addressed during this hands-on course.

Learning Objectives

In this course students will learn how to:
- Install and configure PowerShell V2 on various Windows operating systems.
- Navigate the command line interface as well as the integrated scripting environment.
- Leverage cmdlets to accomplish daily management tasks.
- Format information returned by PowerShell V2 in a variety of styles.
Create PowerShell V2 scripts to automate routine tasks.
- Manage multiple systems concurrently though PowerShell V2 remoting.
- Understand the security capabilities within PowerShell V2 and how to Manage them.

- Enhance the management of other Microsoft products by using the skills and general knowledge covered in this course.

Qualification

Certificate of Attendance

Student Critera

This course is intended for systems administrators responsible for managing Windows platforms who are interested in automating administrative tasks.

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

Before attending this course, students must have:
- Experience managing Windows operating systems.
- Familiarity with Windows Server 2008, Windows Server 2008 R2, or Windows 7.
- Scripting experience is recommended but not required.

Prerequisite Course

N/A

SANS Securing Windows and PowerShell Automation

Course ID
A3125

Remote Participation available: yes	On Demand onsite delivery available: no	Location: Remote only
Minimum Class Size: N/A	Maximum Class Size: N/A	Course Length (working days): 6

Purpose of Course

You will leave this course ready to start writing your own PowerShell scripts to help secure your Windows environment. In this course you will learn not just Windows and Active Directory security, but how to manage security using PowerShell.

Learning Objectives

By the end of this course students will learn how to:
- Write PowerShell scripts for Windows and Active Directory security automation.
- Safely run PowerShell scripts on thousands of hosts over the network.
- Defend against PowerShell malware such as ransomware.
- Harden Windows Server and Windows 10 against skilled attackers.

Qualification

Certificate of Attendance

Student Critera

- Anyone who wants to learn PowerShell automation.
- "Ops" personnel in SecOps/DevOps.
- Blue Team players who were terrified by SEC504.
- Windows endpoint and server administrators.
- Anyone implementing the CIS Critical Security Controls.
- Anyone implementing the MITRE ATT&CK mitigations.

Language Proficiency

In accordance with STANAG 6001: English SLP 3232

Rank/Grade

All Ranks and Grades,CIV

Special Instructions

SANS offers access to their account for 4 months and that is a period in which students should finish module.

Security Clearance

NATO UNCLASSIFIED (NU)

Pre-Course Study Material

N/A

Background

- A general familiarity with Windows Server and Active Directory concepts is presumed, but you do not have to be an expert.
- You should be comfortable opening a command shell and running scripts with arguments.
- Prior PowerShell scripting experience is not required. We will learn the essentials of PowerShell coding together.

Prerequisite Course

N/A

SANS Advanced Security Essentials - Enterprise Defender

Course ID
A3126

Remote Participation available: yes	On Demand onsite delivery available: no	Location: Remote only
Minimum Class Size: N/A	Maximum Class Size: N/A	Course Length (working days): 6

Purpose of Course

Effective cybersecurity is more important than ever as attacks become stealthier, have a greater financial impact, and cause broad reputational damage. SEC501: Advanced Security Essentials - Enterprise Defender builds on a solid foundation of core policies and practices to enable security teams to defend their enterprise. This course will be delivered by commercial provider selected by the Agency.

Learning Objectives

By the end of this course students will learn how to:
- How to build a comprehensive security program focused on preventing, detecting, and responding to attacks.
- Core components of building a defensible network infrastructure and how to properly secure routers, switches, and network infrastructure.
- Methods to detect advanced attacks on systems that are currently compromised
- Formal methods for performing a penetration test to find weaknesses in an organization's security apparatus.
- How to respond to an incident using the six-step process of incident response: Preparation, Identification, Containment, Eradication, Recovery, and Lessons Learned.
- Approaches to analyzing malware, ranging from fully automated analysis to static properties analysis, behavioral analysis, and code analysis.

Qualification

GIAC Certified Enterprise Defender (GCED)

Student Critera

- Incident responders and penetration testers.
- Security Operations Center engineers and analysts.
- Network Security professionals.
- Anyone who seeks technical in-depth knowledge about implementing comprehensive Security solutions.

Language Proficiency

In accordance with STANAG 6001: English SLP 3232

Rank/Grade

All Ranks and Grades,CIV

Special Instructions

SANS offers access to their account for 4 months and that is a period in which students should finish module.

Security Clearance

NATO UNCLASSIFIED (NU)

Pre-Course Study Material

N/A

Background

While not required, it is recommended that students take SANS's SEC401: Security Essentials course or have the skills taught in that class. This includes a detailed understanding of networks, protocols, and operating systems.

Prerequisite Course

N/A

ITIL 4 Specialist: High Velocity IT Training

Course ID
A3127

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

The course prepares you for the ITIL 4 Specialist: High Velocity IT exam, one of five exams needed to achieve ITIL 4 Managing Professional (MP) Certification.

Learning Objectives

- Understand the ways in which digital organisations and digital operating models function in high velocity environments.
- Understand the digital product lifecycle in terms of the ITIL Operating Model.
- Understand the importance of the ITIL guiding principles and the other fundamental concepts for delivering high-velocity IT.
- Learn about the high-velocity IT objectives including valuable investments, fast development, resilient operations, value co-creation and assured conformance.
- Focus on rapid delivery of products & services to obtain maximum value.
- Apply working practises such as Agile and Lean, and technical practises and technologies such as The Cloud, Automation, and Automatic Testing.

This course will be delivered by a commercial provider selected by the Agency.

Qualification

Certificate of Attendance

Student Critera

ITIL Specialist High Velocity IT is aimed at IT managers and practitioners involved in digital services or working in digital transformation projects, working within or towards high velocity environments.

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

Must hold the ITIL v3 or ITIL 4 Foundation Certificate.

Prerequisite Course

N/A

ITIL 4 Specialist: Drive Stakeholder Value Training

Course ID
A3128

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

The course prepares you for the ITIL 4 Specialist: Drive Stakeholder Value exam, one of five exams needed to achieve ITIL 4 Managing Professional (MP) Certification. Individuals can expect to walk away with the tools required to drive user engagement and boost internal and external stakeholder satisfaction.

Learning Objectives

- Understand of all types of engagement and interactions between a service provider and their customers, users, suppliers and partners, including key CX, UX and journey mapping concepts.
- Apply practical and technical knowledge about how to run successful, modern, IT-enabled services, teams and workflows.

Qualification

Certificate of Attendance

Student Critera

ITIL Specialist Drive Stakeholder Value is aimed at practitioners who are responsible for managing and integrating stakeholders, focus on the customer journey and experience, and/or are responsible for fostering relationships with partners and suppliers. All modules have ITIL 4 Foundation as a pre-requisite.

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

Must hold the ITIL v3 or ITIL 4 Foundation Certificate.

Prerequisite Course

N/A

ITIL 4 Strategist: Direct, Plan and Improve Training

Course ID
A3129

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

The course prepares you for the ITIL 4 Strategist: Direct, Plan & Improve exam, a crossover exam that fulfils a core requirement of both the ITIL 4 Managing Professional (MP) and Strategic Leader (SL) certifications. This course will be delivered by commercial provider selected by the Agency.

Learning Objectives

- Apply the key concepts of Direct, Plan and Improve.
- Understand the scope of what is to be directed and/or planned, and know how to use key principles and methods of direction and planning.
- Understand the role of governance, risk and control know how to integrate the principles and methods into the service value system.
- Understand and know how to use the key principles and methods of continual improvement for all types of improvements.
- Understand and know how to use the key principles and methods of Communication and Organisational Change Management to direction, planning and improvement.
- Understand and know how to use the key principles and methods of measurement and reporting in direction, planning and improvement.
- Understand and know how to direct, plan and improve value streams and practises.

Qualification

Certificate of Attendance

Student Critera

ITIL 4 Strategist Direct Plan and Improve is aimed at managers of all levels involved in shaping direction and strategy or developing a continually improving team. It will cover both practical and strategic elements.

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

Must hold the ITIL v3 or ITIL 4 Foundation Certificate.

Prerequisite Course

N/A

ITIL 4 Specialist: Create, Deliver and Support Training

Course ID
A3130

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

This ITIL 4 Specialist: Create, Deliver, and Support (DPI) course covers the 'core' service management activities and the 'creation' of services. It focuses on the integration of different value streams and activities to create, deliver and support IT-enabled products and services while also covering supporting practises, methods and tools and an understanding of service quality and improvement methods. This course will be delivered by a commercial provider selected by the NCI Agency. The course prepares you for the ITIL 4 Specialist: Create, Deliver, and Support exam, one of five exams needed to achieve ITIL 4 Managing Professional (MP) Certification.
This course will be delivered by a commercial provider selected by the Agency.

Learning Objectives

- Plan and build a service value stream to create, deliver and support service.
- Identify how relevant ITIL practises contribute to creation, delivery and support across the SVS and value streams.
- Create, deliver and support services.

Qualification

Certificate of Attendance

Student Critera

ITIL 4 Specialist Create, Deliver and Support is aimed at ITSM practitioners managing the operation of IT-enabled & digital products and services, and those responsible for the end-to-end delivery. Accredited training for the ITIL Managing Professional modules is mandatory to enable full understanding of the core material. All modules have ITIL 4 Foundation as a pre-requisite.

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

Must hold the ITIL v3 or ITIL 4 Foundation Certificate.

Prerequisite Course

N/A

ITIL 4 Managing Professional (MP) Transition Module

Course ID
A3131

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 Managing Professional (MP) Transition module is designed to allow ITIL v3 candidates with 17 credits to easily transition across to ITIL 4. On successfully passing the exam you will gain the designation of ITIL 4 Managing Professional via this course and related exam.
In addition to fully preparing you for this exam, this 5-day ITIL 4 transition module will teach you how to create, deliver and support services and drive stakeholder value. This course will be delivered by commercial provider selected by the Agency.

Learning Objectives

By the end of this training students will learn how to :
- Understand the key concepts of service management.
- Understand how the ITIL guiding principles can help an organisation adopt and adapt service management.
- Understand the four dimensions of service management.
- Understand the purpose and components of the ITIL service value system.
- Understand the activities of the service value chain, and how they interconnect.
- Describe the interconnected nature of the service value chain and how this supports value streams.

Qualification

Certificate of Attendance

Student Critera

This course is intended for candidates who have a strong knowledge of ITIL v3 with either ITIL 3 Expert level certification or a minimum of 17 ITIL v3 credits.

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

To take the transition module, all candidates must be at ITIL 3 Expert level or have a minimum of 17 v3 credits. It is therefore aimed at candidates who have a strong knowledge of ITIL v3.

Prerequisite Course

N/A

McAfee ePolicy Orchestrator Administration (5.9)

Course ID
A3132

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): 4

Purpose of Course

The 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 using McAfee ePolicy Orchestrator (McAfee ePO) software. 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 training is going to be delivered by a commercial provider selected by the Agency.

Learning Objectives

By the end of this course students will learn how to :
- Describe the security connected model, McAfee ePO software features and functionality, and solution components and architecture.
- Identify deployment considerations, describe deployment scenarios and solutions, identify McAfee ePO platform requirements, and discuss database sizing considerations.
- Identify installation requirements, recommendations, and best practices, distinguish between a new installation and a recovery installation, identify and distinguish between the different deployment options for a new installation, install McAfee ePO software, perform post-installation tasks, and identify configuration tools for the initial setup of the McAfee ePO software environment.
- Configure settings for personal settings, users, and permission sets, create a custom permission set, create users and assign permission sets, verify rights and access granted with permission sets, configure McAfee ePO software and Microsoft Active Directory user accounts, and configure user autocreation.
- Provide an overview of the McAfee ePO System Tree, use different methods for creating the System Tree, describe the various methods of organizing the System Tree, and create Permission Sets to let user accounts manage the System Tree.
- Learn the difference between tags without criteria (applied manually) and criteria-based tags (applied automatically and on-demand), how to use the New Tag Builder to create tags quickly, how to edit, delete and move tags between tag groups, and how to enable permissions for other administrative users.
- Learn how to dynamically sort your machines into your McAfee ePO System Tree using a combination of system criteria, dynamically move machines into their appropriate group in your System Tree, and how to verify IP Integrity to ensure IP address sorting criteria does not overlap between different groups.
- Define the McAfee Agent, explain its purpose and key characteristics and functions, and navigate the McAfee Agent interface.
- View and interpret detailed information about your managed elements, customize your view, and view and customize System Monitors.
- Define the McAfee Agent, explain its purpose and key characteristics and functions, and navigate the McAfee Agent interface.
- View and interpret detailed information about your managed elements, customize your view, and view and customize System Monitors.

Qualification

Certificate of Attendance

Student Critera

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

All Ranks and Grades,CIV

Special Instructions

N/A

Security Clearance

NATO UNCLASSIFIED (NU)

Pre-Course Study Material

N/A

Background

- Working knowledge of Microsoft Windows and system administration, network technologies.
- Basic understanding of computer security concepts.

Prerequisite Course

N/A

McAfee Endpoint Security 10.x Administration

Course ID
A3133

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): 4

Purpose of Course

McAfee Endpoint Security 10.x Administration course provides an in-depth introduction to the tasks crucial to set up and administer McAfee Endpoint Security. McAfee Endpoint Security combines the multiple modules—Threat Prevention, Firewall, Web Control, and Adaptive Threat Protection—to help you take immediate action against potentially dangerous applications, downloads, websites, and files. This course combines lectures and practical lab exercises, with significant time allocated for hands-on interaction with the McAfee Endpoint Security user interface, as well as detailed instructions for the integration of this solution.

Learning Objectives

By the end of this course students will learn how to :
- Describe the McAfee Endpoint Security solution, including key features, benefits, and enhancements within this latest release.
- Plan a McAfee Endpoint Security deployment, including business requirements, platform hardware, operating systems, and components included with the product.
- Log into the McAfee ePO server, and navigate through the interfaces to identify page controls, page types, and features.
- Obtain the required software components and perform the necessary procedures to add the software components to the McAfee ePO server and deploy the endpoint clients.
- Use the Endpoint Migration Assistant to migrate policies and settings from legacy McAfee products to McAfee Endpoint Security, both manually and automatically.
- Use the Endpoint Upgrade Assistant perform upgrades from legacy McAfee products to McAfee Endpoint Security.
- Deploy the endpoint clients and verify the success of the deployment.
- Open the McAfee Endpoint Security client and navigate the user interface to view and understand the default configurations and settings.
- Become familiar with McAfee information and support resources and feedback mechanisms.
- Describe the security connected model, McAfee ePO software features and functionality, and solution components and architecture.

Qualification

Certificate of Attendance

Student Critera

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

All Ranks and Grades,CIV

Special Instructions

N/A

Security Clearance

NATO UNCLASSIFIED (NU)

Pre-Course Study Material

N/A

Background

- Working knowledge of Microsoft Windows and system administration, network technologies.
- Basic understanding of computer security, command line syntax, malware/anti malware, virus/antivirus, and web technologies.
- Working knowledge of McAffee ePo software.

Prerequisite Course

N/A

Administering Microsoft Exchange Server 2016/2019

Course ID
A3134

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 official Microsoft 5-day instructor-led Administering Microsoft Exchange Server 2016/2019 (20345-1) course teaches IT professionals how to administer and support Exchange Server 2016/2019. Students will learn how to install Exchange Server 2016/2019, and how to configure and manage an Exchange Server environment. The course covers how to manage mail recipients and public folders, including how to perform bulk operations using Exchange Management shell. Students also will learn how to manage client connectivity, message transport and hygiene, how to implement and manage highly available Exchange Server deployments, and how to implement back up and disaster recovery solutions.

Learning Objectives

You will learn:
- How to deploy Exchange Server.
- Plan and configure storage for Exchange Server.
- Create and manage various recipient objects in Exchange Server.
- Perform recipient management and Exchange server management tasks by using Exchange Server cmdlets.
- Deploy Client Access services in Exchange Server.
- Manage high availability in Exchange Server.
- Implement disaster recovery for Exchange Server.
- Configure and manage message transport in Exchange Server.
- Configure message security in Exchange Server.
- Monitor and troubleshoot Exchange Server.
- Configure Exchange Server role-based access control permissions and configure audit logging for both administrators and users.
- Implement and manage integration with Exchange Online.

Qualification

Certificate of Attendance

Student Critera

In addition to their professional experience, students who attend this training should already have the following technical knowledge:
- Minimum of two years of experience administering Windows Server.
- 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 Domain Name System (DNS).
- Understanding of TCP/IP and networking concepts.
- Understanding of security concepts such as authentication and authorisation.
- Understanding of Simple Mail Transfer Protocol (SMTP).
- Working knowledge of public key infrastructure (PKI) technologies, including Active Directory Certificate Services (AD CS).

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

Implementing and Operating Cisco Enterprise Network Core Technologies (ENCOR)

Course ID
A3135

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 Implementing and Operating Cisco Enterprise Network Core Technologies (ENCOR) v1.0 course gives you the knowledge and skills needed to configure, troubleshoot, and manage enterprise wired and wireless networks. You will also learn to implement security principles within an enterprise network and how to overlay network design by using solutions such as SD-Access and SD-WAN. Course content includes 3 days of self-study material.

Learning Objectives

** Data value length exceeds 4000 characters **

Qualification

Certificate of Attendance

Student Critera

- Basic understanding of Enterprise routing and wireless connectivity.
- Basic understanding of Python scripting.

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

Implementing and Administering Cisco Solutions (CCNA)

Course ID
A3136

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 course is designed for anyone seeking CCNA certification. The course also provides foundational knowledge for all support technicians involved in the basic installation, operation, and verification of Cisco networks.

Learning Objectives

The Implementing and Administering Cisco Solutions (CCNA) v1.0 course gives you a broad range of fundamental knowledge for all IT careers. Through a combination of lecture and hands-on labs, you will learn how to install, operate, configure, and verify basic IPv4 and IPv6 networks. The course covers configuring network components such as switches, routers, and wireless LAN controllers; managing network devices; and identifying basic security threats. The course also gives you a foundation in network programmability, automation and software-defined networking.

Qualification

Certificate of Attendance

Student Critera

- Basic computer literacy.
- Basic PC Operating system navigation skills.
- Basic internet usage skills.
- Basic IP Address knowledge.

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

Computer Forensics Bootcamp

Course ID
A3138

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

Learn how to investigate cybercrime! This boot camp goes in-depth into the tools, techniques and processes used by forensics examiners to find and extract evidence from computers.

Learning Objectives

You will learn how to:
- Understand provisions of IT law.
- Understand complex technical forensics concepts.
- How to apply forensics concepts to forensic investigations.
- Handle evidence (procedures and rules).
- Use a range of computer forensics tools.
- Acquire forensic evidence.
- Locate forensic artifacts in various operating systems.
- Analyze extracted evidence » Properly reporting findings.
- Track an offender on the internet.
- Work with law enforcement.
- Design an incident response strategy.

Qualification

Certified Computer Forensics Examiner (CCFE)

Student Critera

- Law enforcement professionals looking to expand into computer crime investigations.
- Legal professionals.
- IT and information security professionals being tasked with corporate forensics and incident handling.
- Anyone with a desire to learn about computer forensics and develop their skills.

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

Basic computer skills, including the ability or des ire to work outs ide the Windows GUI interface, are necessary.
A+ certification and/or similar training and experience is not required, but recommended.

Prerequisite Course

N/A

CCT200 SATCOM Terminal NATO Mission Iraq (NMI) Operator

Course ID
A4000

Remote Participation available: no	On Demand onsite delivery available: no	Location: Luxembourg (LUX)
Minimum Class Size: 4	Maximum Class Size: 8	Course Length (working days): 3

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 Critera

- Been assigned to a NATO or National Signal Establishment with the role of technician or operator.
- Have met the Background Knowledge Prerequisites.
- Have successfully completed a national military or civilian course on basic electronics.
- 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,CIV

Special Instructions

This course will be delivered in Diekirch, Luxembourg.

Security Clearance

NATO CONFIDENTIAL (NC)

Pre-Course Study Material

N/A

Background

NATO Deployable Satellite Ground Terminal (DSGT) Operator (course ID A0040) or equivalent or higher level (e.g. TSGT - course ID A0043 or UTSGT - course ID A0047) 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 have six months SATCOM experience.

Prerequisite Course

A0040 NATO X-Band DSGT Operator Level 1

MEL/MIL

Course ID
A5002

Remote Participation available: yes	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 Critera

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

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

Training Objective Management Module (TOMM)

Course ID
A5003

Remote Participation available: yes	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

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.

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 roles.
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 Critera

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

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

JEMM Data Administrator

Course ID
A5004

Remote Participation available: yes	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 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.

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.

Qualification

JEMM Data Administrator

Student Critera

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,CIV

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

Joint Exercise Management Module (JEMM) System Administrator

Course ID
A5006

Remote Participation available: yes	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 Critera

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

All Ranks and Grades,CIV

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

JChat M-Link Server Administrator

Course ID
A9005

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): 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 Critera

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

JChat Combined Openfire Server and JChat Client Administrator

Course ID
A9006

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): 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.

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 Critera

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,CIV

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

NATO Land Command and Control Information Services (LC2IS) System Administrator

Course ID
A9007

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): 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 Critera

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

All Ranks and Grades,CIV

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

Functional Area Service for dynamic and time-sensitive Targeting (FAST) User

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 Critera

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,CIV

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

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: 8	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 Critera

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

All Ranks and Grades,CIV

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

A1000 Combined NISP ICC System Administrator (CNIC)
A1001 Windows ICC System Administrator (WICC)
A9010 Integrated Command and Control (ICC) User

Integrated Command and Control (ICC) User

Course ID
A9010

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

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 Critera

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

All Ranks and Grades,CIV

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

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 Weaponeering.
- Demonstrate the use of Combat Assessment within JTS.
- Demonstrate the ability to manage media within JTS.

Qualification

Certificate of attendance: JTS User

Student Critera

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

All Ranks and Grades,CIV

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

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 Critera

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

All Ranks and Grades,CIV

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

J2X Intelligence Systems

Course ID
A9015

Remote Participation available: no	On Demand onsite delivery available: yes	Location: MTT
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 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 Critera

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

All Ranks and Grades,CIV

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

Intelligence Functional Service (INTEL-FS) Basic User

Course ID
A9026

Remote Participation available: no	On Demand onsite delivery available: yes	Location: MTT
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 Critera

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

All Ranks and Grades,CIV

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

Intelligence Functional Service (INTEL-FS) Battle Space Objects (BSO) Management

Course ID
A9027

Remote Participation available: no	On Demand onsite delivery available: yes	Location: MTT
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 Critera

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

All Ranks and Grades,CIV

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

Intelligence Collection Management Tool (ICMT)

Course ID
A9030

Remote Participation available: no	On Demand onsite delivery available: yes	Location: MTT
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 Critera

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

All Ranks and Grades,CIV

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

Intelligence Functional Service (INTEL-FS) Organisational Node Administration (ONA)

Course ID
A9032

Remote Participation available: no	On Demand onsite delivery available: yes	Location: MTT
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 Critera

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

All Ranks and Grades,CIV

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

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: 12	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 Critera

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

All Ranks and Grades,CIV

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

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: 8	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 Critera

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

All Ranks and Grades,CIV

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

JOCWatch Administrator

Course ID
A9035

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): 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 Critera

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

All Ranks and Grades,CIV

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

iGeoSIT End User

Course ID
A9036

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): 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 Critera

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

All Ranks and Grades,CIV

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

iGeoSIT System Administration

Course ID
A9037

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): 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 Critera

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

All Ranks and Grades,CIV

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

Allied Command Europe Open Source System (AOSS)

Course ID
A9039

Remote Participation available: no	On Demand onsite delivery available: yes	Location: MTT
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 Critera

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

All Ranks and Grades,CIV

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

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 Critera

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

All Ranks and Grades,CIV

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

NATO Intelligence Functional Areas Services Training (NIFST)

Course ID
A9044

Remote Participation available: no	On Demand onsite delivery available: yes	Location: MTT
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:
- Course ID A9014 - NATO Use of IBM Analyst-s Notebook User
- Course ID A9026 - INTEL-FS Basic User
- Course ID A9027 - INTEL-FS Battle Space Objects (BSO) Management
- Course ID A9030 - Intelligence Collection Management Tool (ICMT)
- Course ID A9039 - ACO Open Source System (AOSS)

Qualification

There is no formal qualification for the support provided.

Student Critera

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

All Ranks and Grades,CIV

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

Functional Areas Services (FAS) Operational Usage Overview

Course ID
A9045

Remote Participation available: no	On Demand onsite delivery available: yes	Location: MTT
Minimum Class Size: 10	Maximum Class Size: 15	Course Length (working days): 4

Purpose of Course

To provide INT, OPS, LOGS, PLANS, CIS and Training Branch military and civilian personnel at NATO and National organisations Headquarters with a high-level overview of the operational capabilities, processes supported, architecture and interfaces of FAS that are designated for use in operations and exercises. This course is lecture based and does not include any hands-on instruction. Demonstrations of the NATO FAS will be used to showcase the key functionalities and information exchanges.
NATO FAS covered by the course:
- OPS
  - JChat
  - JOCWatch
  - iGeoSIT
  - NCOP
  - ICC
  - FAST
- INT
  - INTEL-FS
  - JTS
- LOGS
  - LOGFAS
- PLANS
  - TOPFAS
- Force Tracking
  - NIRIS

Learning Objectives

Upon completion of the course, the qualified student will be able to:
- Explain the operational background of the NATO FAS covered in the course.
- Describe the operational capabilities of and processes supported by the NATO FAS covered in the course.
- Describe the architecture, deployment, information flows and interconnections between and for the NATO FAS covered in the course.
- Identify the functionality available of the NATO FAS covered in the course.

Qualification

Certificate of Attendance

Student Critera

This course is recommended for NATO/ National/Entity HQ Branch Heads (INT, OPS, LOGS, PLANS, CIS and Training 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

All Ranks and Grades,CIV

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

NATO Common Operational Picture (NCOP) User

Course ID
A9046

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 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 Critera

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

All Ranks and Grades,CIV

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

Intelligence Functional Service (INTEL-FS) Intelligence Request Management

Course ID
A9061

Remote Participation available: no	On Demand onsite delivery available: yes	Location: MTT
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 Critera

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

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

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.

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 Critera

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

N/A

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).

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).

Qualification

Certification of Attendance

Student Critera

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

N/A

Security Clearance

NATO UNCLASSIFIED (NU)

Pre-Course Study Material

N/A

Background

N/A

Prerequisite Course

N/A

eFGMT Functional Manager

Course ID
A9067

Remote Participation available: no	On Demand onsite delivery available: yes	Location: MTT
Minimum Class Size: 4	Maximum Class Size: 8	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.

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.

Qualification

eFGMT Functional Manager

Student Critera

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

All Ranks and Grades,CIV

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 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

A9068 eFGMT Practitioner

eFGMT Practitioner

Course ID
A9068

Remote Participation available: no	On Demand onsite delivery available: yes	Location: MTT
Minimum Class Size: 6	Maximum Class Size: 10	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 Critera

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

All Ranks and Grades,CIV

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

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.

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.

Qualification

Certificate of Attendance

Student Critera

- Course attendees are those Staff members who need to work with the ITSM Toolset as a Manager.
- 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

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

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: 5	Maximum Class Size: 10	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 Critera

- Course attendees are those Staff members who need to work with the ITSM Toolset as a support technician at 1/2/3rd Line levels.
- 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

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: 5	Maximum Class Size: 10	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 Critera

- Course attendees are those Staff members who need to work with the ITSM Toolset as a support technician or Change co-ordinator.
- 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

JTS/FAST Combined User

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 Weaponeering.
- 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 Critera

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

NATO Communications and Information Agency
Agence OTAN d'information et de communication

Headquarters
Boulevard Léopold III
1110 Brussels
Belgium
www.ncia.nato.int