Duty Location: **Mons, BEL**

JOB DESCRIPTION
Principal Enterprise Architect (Interoperability)
Service Strategy – Service Engineering and Architecture Branch
Grade: **G20**

This is a position within the NATO Communications and Information Agency (NCI Agency), an organization of the North Atlantic Treaty Organization (NATO).

To strengthen the Alliance through connecting its forces, the NCI Agency delivers secure, coherent, cost effective and interoperable communications and information systems in support of consultation, command & control and enabling intelligence, surveillance and reconnaissance capabilities, for NATO, where and when required. It includes IT support to the Alliances' business processes (to include provision of IT shared services) to the NATO HQ, the Command Structure and NATO Agencies.

The Chief Technology Office (CTO) is enabling the digital transformation of NATO ICT, establishing the Agency's technical vision and IT engineering strategy including management of the research and development of emerging technology

The Architecting and Engineering (A&E) Team is responsible for the definition, design, implementation and continuous improvement of common architecting and service engineering practices throughout the NCI Agency to improve technical coherence and interoperability of C3 capabilities and ICT services for the NATO C&I Enterprise and beyond. In this respect, the Team will define requirements for agency-wide taxonomies / catalogues, standards, guidelines, procedures, templates and tools, for the NCI Agency, and influence / contribute to related activities for the NATO Enterprise, the Alliance and the Federation.

This position is a key enabler for federation architectures and C3 Interoperability. Its main responsibilities are managing the Architecture Programme of Work (PoW) of the Federated Mission Networking (FMN) Initiative, act as the principal advisor to the FMN Management Structure on architecture related issues and leading cultural change for "federation and interoperability by design". The post is embedded within SHAPE / J6 Cyberspace Division / FMN Secretariat.

Duties

Under the direction of the Chief Architecting & Engineering, but largely on own initiative, the incumbent will perform duties such as the following:

- Support the NCI Agency FMN Coordinator by providing advice to Chief Architecting and Engineering, and other Senior Agency managers in the area of Federated Mission Networking.
- Act as principal advisor to the FMN Management Structure on federation architecture products, C3 Interoperability related issues and traceability of requirements.
- Lead the FMN Architecture Coordination Body, ensuring coherence in the architecture PoW of the FMN Working Groups and NATO Digital initiatives.
- Assess impact of the FMN Vision and Spiral Specification Roadmap on the architecture domains, including business, information, application and technology, and derive operational benefits of (planned) interoperability solutions.
- Provide architecture guidance to FMN Secretariat, FMN Working Groups and (Inter-) Working Group Syndicates.
- Support translation of operational requirements to technical interoperability requirements.
- Advise and collaborate on C3 Interoperability and FMN related matters with architects and engineers across FMN Affiliates, the NCI Agency, and Allies (C3B Architecture Capability Team).

- Mentor peers and provide educational/informational sessions to military Staff Officers to improve the interoperability of federated solutions.
- Coordinate FMN and C3 Interoperability matters with other key functions across FMN Affiliates and NCI Agency and with business unit representatives.
- Act as subject matter expert and advisor to FMN management structure and Agency staff on C3 Interoperability and Federation Architecture related matters.
- Oversee production of federation architectures by National and NATO staff across all FMN Working Groups and (Inter-) Working Group Syndicates to ensure traceability from requirements through to the products of the FMN Framework, while also ensuring coherence with NATO agreed Architecture Policies, Directives, Standards and Architecture Reference Data.
- Supports development of FMN Spiral and Baseline architectures and FMN Spiral Specification roadmaps to support the FMN Vision and Alliance C3 Interoperability Objectives.
- Identify and research future trends and developments in the area of C3 Interoperability.
- Identify emerging operational requirements and develop interoperability strategies.
- Deputize for higher grade staff, if required.
- Performs other duties as may be required.

Experience and Education:

- A Master's degree at a nationally recognised/certified University in a related discipline and 5 years post-related experience, or a Bachelor's degree with 8 years post related experience.
- Knowledge and experience with Enterprise Architecture and interoperability concepts, and its application to the federation of enterprises or business collaboration across multiple enterprises.
- Certification in The Open Group TOGAF and ArchiMate modelling language, or equivalent.
- At least 5 years of practical experience in the areas of architecting, planning, designing, requirements and system engineering for military CIS/C4ISR systems or similar complex IT systems.
- Experience of working with a diverse, multi-disciplinary team, and interacting with all levels of a military organization.
- Experience in Interoperability Standardization and design of interoperable solutions.
- Proven experience and ability to apply analytical and systems thinking to complex problems.
- Proven experience and ability to moderate engineering related discussions with multi-disciplinary teams.
- Proven experience and ability to effectively communicate orally and in writing, with good briefing skills.
- Proven experience and ability to apply analytical and systems thinking to complex problems.

Desirable Experience and Education:

- Experience of working in NATO's committees or working groups.
- Working experience in the FMN management structure, or in NATO's committees or working groups.
- Management experience of leading projects requiring an end-to-end Interoperability perspective.
- Knowledge and experience in underlying concepts, best practices and tools of C4ISR systems, software engineering, cyber security and IT service provision.
- Knowledge in testing interoperability of C4ISR services.
- Experience in process analysis, and design techniques, including needs assessment, specification development, planning and gap analysis.
- Knowledge with Military C4ISR systems requirement capture, analysis and specifications.
- Knowledge in ITIL, COBIT, CISSP, or equivalent.
- Experience of working in an international environment comprising both military and civilian elements, and in support of military coalition operations.
- Knowledge of NATO responsibilities and organization, including ACO and ACT.

Language Proficiency:

- A thorough knowledge of one of the two NATO languages, both written and spoken, is essential and some knowledge of the other is desirable.
- NOTE: Most of the work of the NCI Agency is conducted in the English language.

Essential Competencies:

- Deciding and Initiating Action - Takes responsibility for actions, projects and people; takes initiative and works under own direction; initiates and generates activity and introduces changes into work processes; makes quick, clear decisions which may include tough choices or considered risks.
- Adhering to Principles and Values - Upholds ethics and values; demonstrates integrity; promotes and defends equal opportunities, builds diverse teams; encourages organizational and individual responsibility towards the community and the environment.
- Relating and Networking - Easily establishes good relationships with customers and staff; relates well to people at all levels; builds wide and effective networks of contacts; uses humor appropriately to bring warmth to relationships with others.
- Formulating Strategies and Concepts - Works strategically to realize organizational goals; sets and develops strategies; identifies, develops positive and compelling visions of the organization's future potential; takes account of a wide range of issues across, and related to, the organization.
- Achieving Personal Work Goals and Objectives - Accepts and tackles demanding goals with enthusiasm; works hard and puts in longer hours when it is necessary; seeks progression to roles of increased responsibility and influence; identifies own development needs and makes use of developmental or training opportunities.