Course Description

The NATO Architecture Framework (NAF) provides guidance for developing and describing Enterprise Architectures. The architecture description can cover many aspects, including capability, operational, system, technical, performance, services provided, and evolution over time.

The MEGA Suite for NAF brings more than 20 years of enterprise architecture modeling and process optimization expertise to serve the needs of large system architecture descriptions.

Expected benefits

- Apply MEGA’s methodology for managing NAF architecture projects, with focus on analysis and design of Resources Architectures and Service Orientations.
- Use NATO System Views (NSV) to describe the systems and interconnections between systems which support NATO processes.
- Use NATO Technical Views (NTV) to use and define standards.
- Use NATO Program Views (NPV) to plan programs and projects to realize the systems expected by the architecture.
- Leverage on NATO Service Views to establish a service oriented style for system design.
- Understand, through concrete examples and a series of exercises, the value added by the MEGA Suite repository, including integrated modeling rules, document generation, and analysis reports.

Course Content

Introduction to the NAF
- Understanding Enterprise Architecture
- Understanding Frameworks
- NAF Views and Products

Introduction to the MEGA NAF Toolset
- MEGA for NAF Overview
- The Start Page and Navigation Tree
- Main MEGA Concepts and Approaches
Identifying Functional Architecture Needs

- Review of NAF All Views
- Review of NAF Capability views
- Review of NAF Operational Views

NAF System Views

- NSV-1: System interface description
- NSV-2a: System Port Specification
- NSV-2b: System Port connectivity descriptions
- NSV-2c: System Connectivity Clusters
- NSV-2d: Systems communications quality requirements description
- NSV-3: Resource Interaction Matrix
- NSV-4: System Functionality description
- NSV-5: System function to operational activity traceability matrix
- NSV-6: Systems data exchange matrix
- NSV-7: System quality requirements description
- NSV-8: System configuration management
- NSV-9: Technology and skills forecast
- NSV-10a: Resource constraints specification
- NSV-10b: Resource State Transition Description
- SV-10c: Resource Event-Trace Description
- NSV-11a: Logical data model

- NSV-11b: Physical data model
- NSV-12: Service Provision

NAF Service Oriented Views

- NSOV-1: Service Taxonomy
- NSOV-2: Service Definitions
- NSOV-3: Capability to service mapping
- NSOV-4: Service constraints, state model and interaction specification
- NSOV-5: Service functionality
- NSOV-6: Service Composition

Providing a global view of requirements and solutions

- Review of NAF Technical Views
- Review of NAF Program Views

Producing Documentation

- NAF Website
- Document Outputs

Mastering the Repository

- Organizing the enterprise repository
- Sharing and distributing models
- Running queries
- Working as a team

Seminar organization

Over 3 days, this training course alternates theoretical presentations on Enterprise Architecture for NAF with the production of a real case scenario to enable a better understanding of the method and tool. This course is delivered by an experienced MEGA Consultant, who is knowledgeable in proper modelling techniques and an expert in the use of MEGA for NAF.