

JSP 602 Instruction:	1040	Applicability:	Applications, Data/Information, Infrastructure, Integration, Network/Communications, Security.
Configuration Identity:	Issue: 03.00 Reviewed: 2008-07-24	Epoch Applicability:	2005 – 2012

JSP 602: 1040 - MODAF System of Systems Architecture Modelling

Outline

Description: This leaflet explains the policy for the use of MOD Architecture Framework (MODAF) to manage Communications & Information Systems (CIS) interdependencies across defence acquisition. All equipment programmes or IS enabled business change programmes shall provide information to the architecting authorities relevant to the CIS content of their systems and contribution to the NEC System of Systems (SoS) models. This leaflet only applies to CIS architecting and shall not constrain programmes' wider use of modelling or architecting; MODAF or otherwise.

Reasons for Implementation: This policy also supports the delivery of MOD's NEC CIS Interoperability Assurance policy. DEC CCII, supported by the SEIG, will define across acquisition the operational and system of system boundaries so that the coherence of both requirement and solution can be assured.

The Enterprise Architecture policy (Reference A) states that this requirement will be achieved through taking a coherent approach to the provision of information about the enterprise and its constituents. An enterprise can be described as comprising people, processes, systems, organisations and their interrelationships. Architecting is the process of depicting the enterprise. Architecting in Defence will be undertaken in a structured manner. MODAF provides the means to deliver a consistent and coherent approach to architecting.

Policy

This instruction mandates the use of MODAF across defence acquisition as directed by MOD's NEC CIS Assurance Strategy (Reference B) and further explained within the DGInfo IX Enterprise Architecture policy (Reference A).

It supports the MOD's NEC SoS Architect (Reference C) and is intended to support Version 2 of the Defence Industrial Strategy. DEC CCII is the Core DEC supporting the Joint Requirements Coordinator for Interoperability (CM(IS)). In this he is assisted by the NEC Architect (Note 1) (hosted within the Systems Engineering and Integration Group (SEIG – Note 2)), to define interdependencies and constraints so that coherent interoperability requirements can be specified and assured. To achieve this mandate, all equipment programme(s) or IS enabled business change programme(s) with CIS interdependencies (regardless of stage in CADMID/T cycle) will work with the MOD's NEC Architect in the following manner:

Strategic
<p>1040.01: MODAF Views</p> <p>1040.01.01 All projects and programmes need to define their problem space, the services they consume and provide and all their dependencies, in order to inform and support their decision processes, and business cases. Within the MOD, all projects and programmes with a CIS content are mandated to use MODAF, its information structure and views, to support this need, and develop programme architectures, using a common structure and language. These architectures should be maintained, and kept up to date throughout the entire CADMID(T) cycle, to reflect the changes in the programmes. Each programme shall make their architecture available to the appropriate domain architect and the SEIG, who will validate the programmes interoperability requirements.</p> <p>1040.01.02 MODAF comprises seven viewpoints:</p> <ul style="list-style-type: none"> AV - All Views OV - Operational Views SV - System Views StV - Strategic Views SOV - Service-Oriented Views AcV - Acquisition Views TV - Technical Standards Views <p>In consultation with the NEC Architect, programmes should utilise those views, within the viewpoints, that best support their business need, whilst providing sufficient information to allow the interoperability assurance function to be undertaken.</p>

Deployed
As for Strategic domain.

Tactical
As for Strategic domain.

Remote
As for Strategic domain.

Responsibility for Implementing the Policy

CM(IS) is responsible for implementing the policy, supported by DEC(CCII), with SEIG support.

Procedure

All defence acquisition programmes with cross-project CIS interdependencies are to nominate a single point of contact to engage with the SEIG to agree MODAF SoS modelling plans and the programme of deliverables to meet the NEC element of Assurance plans. It should be noted that at the time of producing this leaflet that the exact roles and remit of the KSA and the C4ISR Architect are still undergoing clarification and a new leaflet will be released when roles and remits have been clarified.

Relevant Links:

Reference A: [DGInfo-6-5 IX Enterprise Architecture - Enterprise Architecture Policy dated 23 Nov 06.](#) (www)

Reference B: [NEC CIS Integration Assurance Strategy. D/VCDS/25/1\(10/349\) dated 26 May 05 \(DMB \(05\) 26 May '05\).](#)

Reference C: [DG S&E Paper: "Implementing Systems Engineering in Defence" Issue 2 dated 19th March 2008.](#)

[AOF guidance on CIS Interoperability \(RLI only\).](#)

[The Interoperability for CIS Intranet Homepage \(RLI only\).](#)

[MODAF technical documentation website \(WWW\)](#)

- NOTES:
- 1 . Roles and exact remits are still undergoing exact clarification at the time of release of this document.
 2. The Strategy names the Integration Authority; now part of the SEIG.
 3. The SEIG can provide Projects with additional guidance on MODAF, tools and its Architectural Services;

A glossary of terms and abbreviations used within this document is available [here](#).

Instructions on how to read a JSP602 leaflet are available [here](#).

Compliance

Stage	Compliance Requirements
Initial Gate/DP1	The programme has nominated a single point of contact to engage with the SEIG, has agreed architectural and assurance plans, and are delivering against the plan. Note engagement should commence before Foundation Review.
Main Gate/DP2	As above
Release Authority/DP5	Any programme with a CIS element will be required to demonstrate that it is fit for 'Service Release' onto any live Departmental network; Service Release is conducted on behalf DG ISS by the Service Release Authority (SRA). Engagement should commence prior to the Initial Gate so that the has early sight of programmes seeking release

You can contact the JSP600 HelpDesk on +44 (0)117 91 34034, or via email at desia-jsp600-help@mod.uk