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MINISTRY OF DEFENCE

Defence Information Reference Model (DIRM)

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Deputy Head Policy and Standards
MoD CIO

 UK Unclassified

Figure 1 - The make-up of military capability

MINISTRY OF DEFENCE

Current Situation

- 1000s of ‘applications’ in use by MOD
- Applications can be expensive to buy, integrate, host and maintain: MoD spends a large amount of money per year on ICT
- Most of the applications fulfil a single narrow business requirement: Low potential for re-use
- The functions of the application aren’t described consistently: Low Potential for re-use
- Most of the data is locked inside these applications and is not shared: Many duplicated and often conflicting data sets. Low potential for re-use
- Defence ICT Strategy: rationalise and standardise its application portfolio. Re-use existing applications

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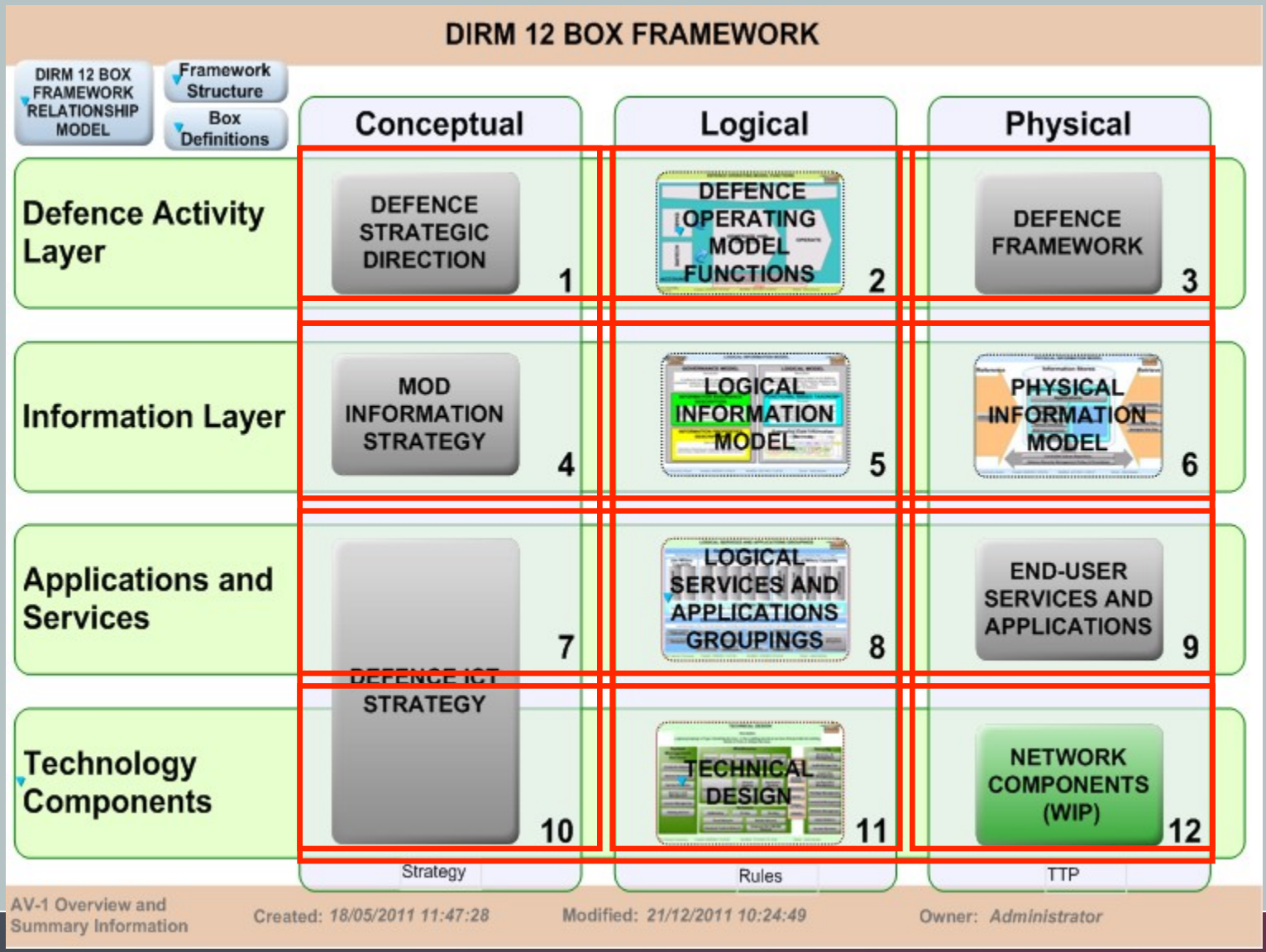
What is the DIRM?

- The DIRM is a ‘map’; a reference that describes how Defence uses, interacts and manipulates data and information.
- It allows information products, services and applications to be described in a manner that allows re-use.
- It provides a governance framework upon which responsibility, policy and strategy can be found and referenced to Information requirements and capabilities.
- It provides a way in which requirements can be described, that leads to a clear articulation of what exists or what is needed.

Benefits of the DIRM

- Driving Efficiency
  - Provides a framework within which applications and information can be re-used, reducing application costs, training, information costs and storage.
- Operational
  - Enables improved IX through greater visibility of defence information and better interoperability
  - Speed of delivery of systems through re-use rather than creation of new
- Cross government
  - Ties into ICT strategy, cross-government and NATO work
- Procurement
  - Ensures Information DLOD is adequately considered
- Clear federation of information ownership

Defence Information Reference Model



LOGICAL INFORMATION MODEL

GOVERNANCE MODEL

Description

A method for describe the assurance levels and properties/ attributes of information in a simplistic form to be used in governance activities.

INFORMATION ASSURANCE DESCRIPTION

Description

Information Assurance is the set of rules that constrain the Information Service to ensure that information is processed in accordance to policy.

INFORMATION PROPERTIES DESCRIPTION

Description

Information Properties are variables which help define the service levels required for a particular Information Service.

LOGICAL MODEL

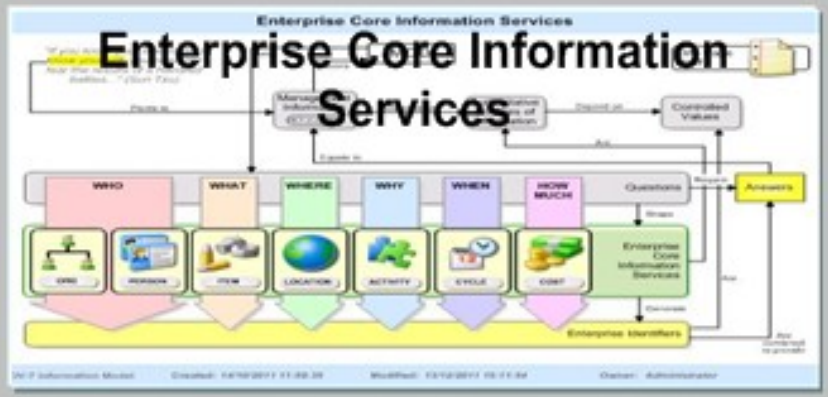
Description

A functional based taxonomy based on the Defence Taxonomy together, with the Enterprise Identifiers that define the "Who", "What", "Why", "When", "Where" and "How Much" for Defence.

FUNCTIONAL BASED TAXONOMY

Description

A high-level description of the types of information or data required to fulfil a Defence activity, defined using key words from the Defence Taxonomy (i.e. boxes and towers coloured grey, which are links to the Controlled Values Repository). The DIRM additionally groups the information into Defence functional areas, i.e. the towers, and generic information, which is pan-Defence.



DV-7 Information Model Created: 26/04/2011 14:59:13 Modified: 31/01/2012 14:33:23 Owner: Administrator

LOGICAL SERVICES AND APPLICATIONS GROUPINGS

DIRM 12 BOX FRAMEWORK

Defence Services and Applications

Services that provide an ability to create, modify, share or store information to effect, and are unique to a Defence functional area (i.e. a Tower).

Use Military Capability

- Command and Control
- ISTAR

Management of the Organisation

- Logistics
- Finance
- Personnel
- Commercial
- Legal

Provision of Military Capability

- Simulation and Evaluation
- Training and Education
- Safety Environment and Fire
- Acquisition
- Infrastructure

Common Services

Services that provide an ability to create, modify, share or store information, which are provided by a single Defence functional area but are consumed pan-Defence.

Common End-User Services and Applications

Logical groupings of Type 1 Core User Sevices; i.e delivering core user Information Services that are information and data agnostic; e.g. messaging or publishing.

Content Creation Applications	Messaging	Chat	Desktop VTC	Collaborative Editing	Video	Applications Management
Corporate Records Managment	Web Browsing	Shared Calendar	Whiteboard	Search	Dedicated VTC	
	Web Publishing	Shared Work Environment	Directory	Documentation Collaboration	Voice	

SOV-1 Service Taxonomy Created: 16/05/2011 14:37:20 Modified: 01/02/2012 16:28:05 Owner: Administrator

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Requirements Capture Summary

- Following the DIRM through from box 2 to 8 captures in a set fashion:
  - The Business process being supported
  - The Information elements required and their pattern
  - Logical service/application types to support these element

- This provides a detailed and standardised view of the information DLOD for a project