



Australian Government
Department of Defence
Capability Acquisition and
Sustainment Group

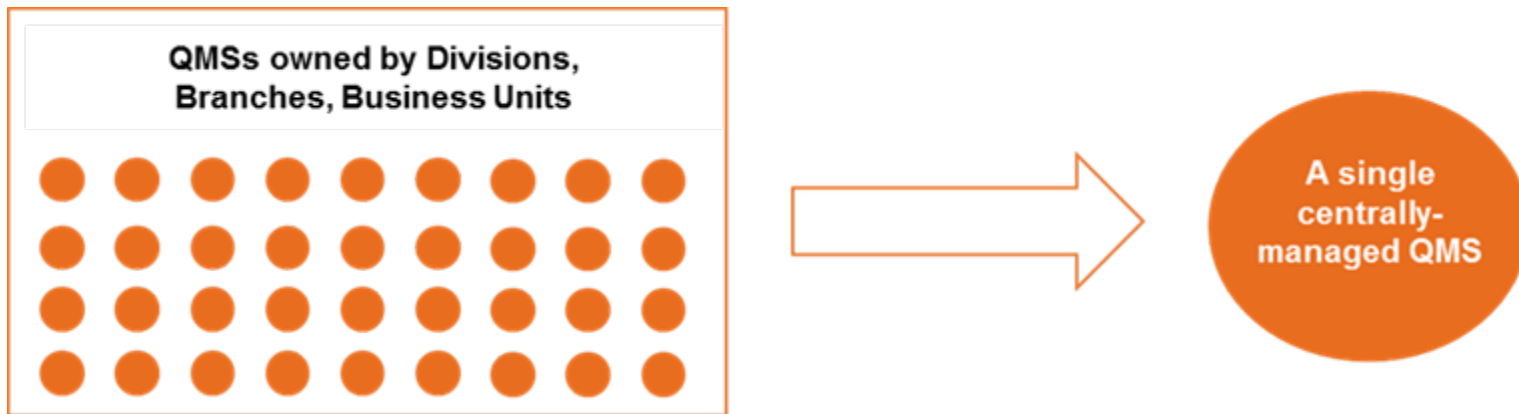
DASR Pt21 and 1QMS Implementation Program

GPCAPT Kevin Durant
CASG DSR-Aero
SDE Symposium
4 – 6 May 2016



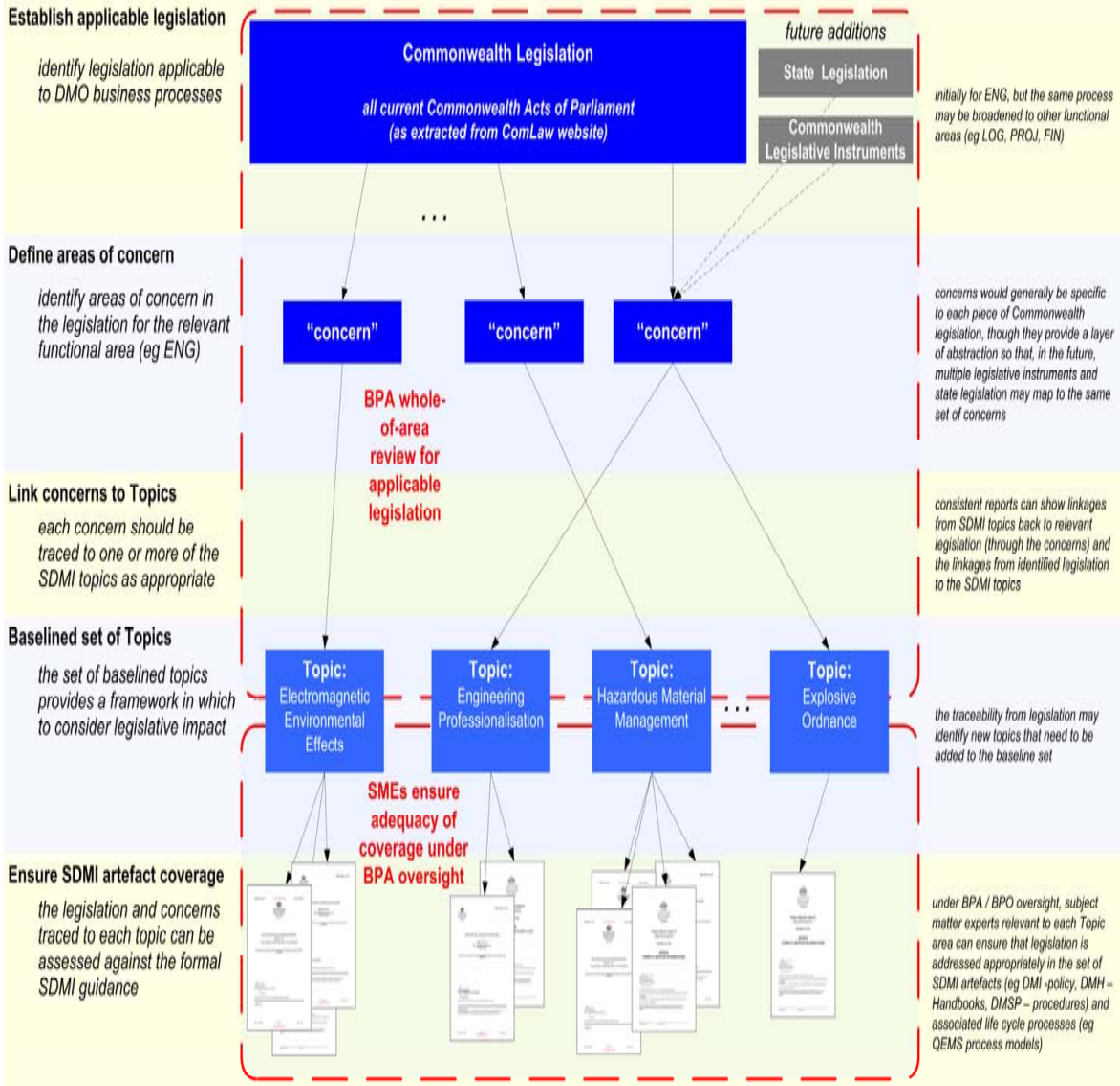
- ASD started 1QMS
- FPR has reinforced the need
- DASR transition would have been easier with an established 1QMS

- Improving consistency, efficiency and effectiveness of procedures
- Legislative compliance
- Rationalise 36 existing QMS into a single centrally-managed system



1QMS has two key deliverables:

1. Standardised set of 'best of breed' policies and procedures
2. Single QMS that has clear accountabilities and automated workflows



Current Status:

99 Commonwealth Acts assessed as relevant

- Traced to 108 concerns
- Trace to engineering topics in SDMI in work
- Estimated completion by Jul 16
- Some areas need to include State legislation
 - e.g. environmental legislation

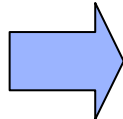
- Topics in Phase 1 derived from an alignment of initial ASD grouping of unit documents to the MEC topics.
- ENG01 - Configuration management
- ENG02 - Engineering planning
- ENG03 - System safety engineering
- ENG04 - Requirements engineering
- ENG05 - Technical data management
- ENG06 - Design approval, acceptance and materiel system certification
- ENG07 - Management of common resources
- ENG08&09 - Maintenance Planning Control & Management
- ENG10 - Electromagnetic environment effects
- ENG11 - Management of aircraft and engine structural integrity
- ENG12 - RAM engineering
- ENG13 - Software engineering
- ENG14 - Materiel system verification and validation
- ENG15 - In-service technical reviews and investigations.
- ENG16 - Technical publications management

1QMS Standard Defence Materiel Instructions Model

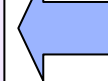
CASG Materiel Engineering BPO/BPA

Defence Doctrine
ADDP4.5

DEFLOGMAN
Vol 10
Materiel Engineering
and Maintenance

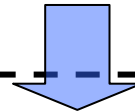


1QMS
SDMI Tier 1 and 2
(DMI, DMH, DMSP)



**Legislation and
External Regulations**

Technical Regulation
TRAMM-L, TAMM (DASR), NTRM



CASG Business Unit (SPO, Project)

Unit Level Plans
Engineering Management Plan

Subordinate Plans (eg CMP, SSMP)

EMS Artefacts and Records
(eg audit record, EA register)

Materiel System Technical Data
(eg design records, maintenance procedures,
maintenance records, operating procedures)

Endorsed 'Local
Implementation Aids' if not
suitable for Tier 1 Annex or
Tier 2 DMSP
(eg templates, forms)

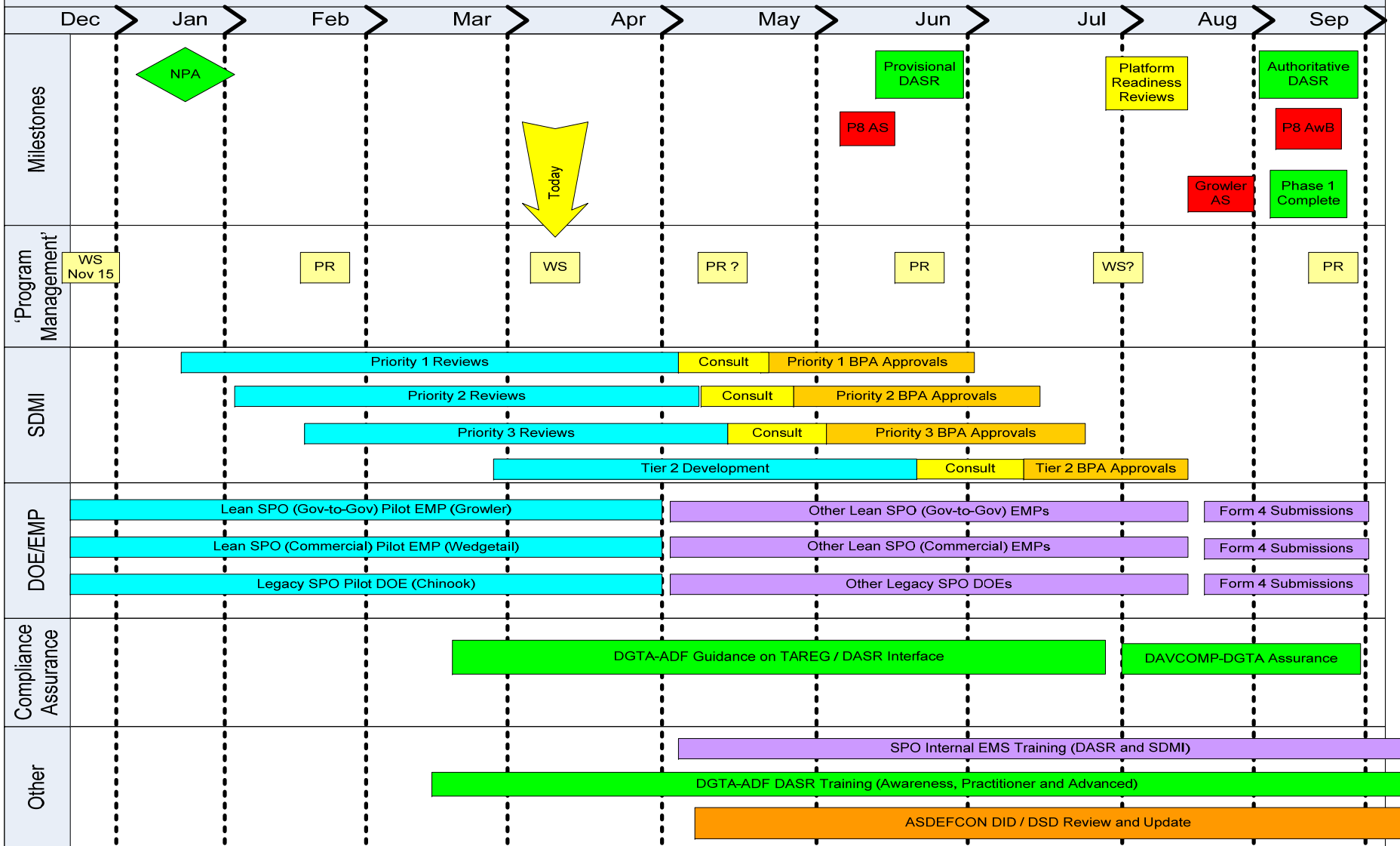
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use

DASR/1QMS alignment - History

- Jun 2015 – 1QMS Aerospace CENGR Conference
 - Alignment between DASR and 1QMS programs discussed
- Sep/Oct 2015:
 - Decision: DASR/1QMS alignment and implementation of Phase 1 by 30 Sep 2016
 - DSR-Aero directed to coordinate DASR/1QMS implementation
 - 1QMS DEPSEC CASG Implementation Directives for Batch 3&4 released aligned to 30 Sep 2016

'Program Plan' Review and Validation

Plan of Activities to Implement DASR and 1QMS



DASR Pt21/1QMS Challenges

- Phase 1 v Phase 2
- Clarity & articulation of SPO delivered Pt21J, MTCH & CAMO functions
- Coordination across platform
- Procedural development
 - Tier 1 v Tier 2 v Plans v Local Manual
- Prioritisation & Resources
 - SPO CENGRs
 - Program Management



QUESTIONS???

