

AIR WARFARE DESTROYER
ALLIANCE

Testing at the Speed of Need

An Australian Perspective

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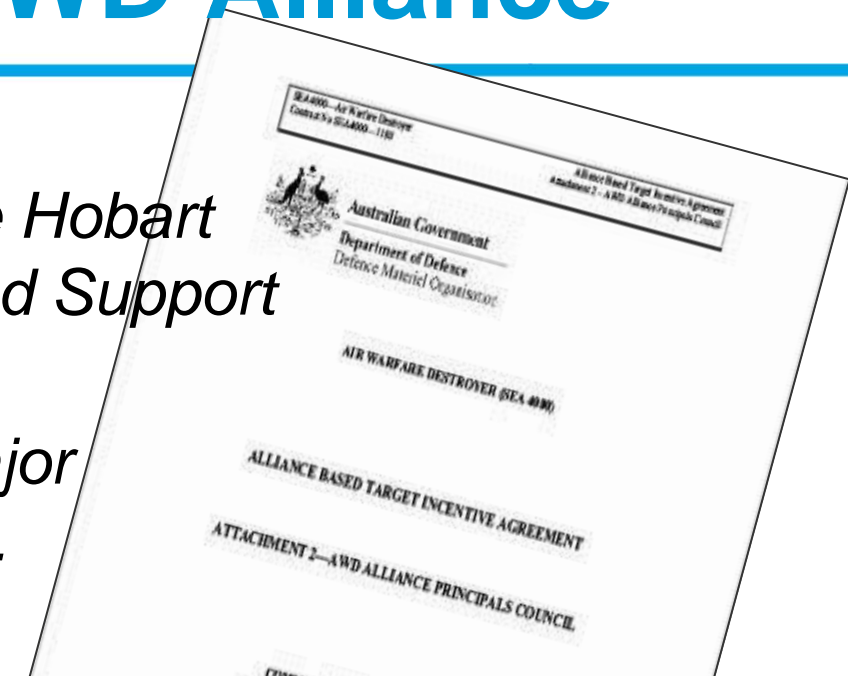


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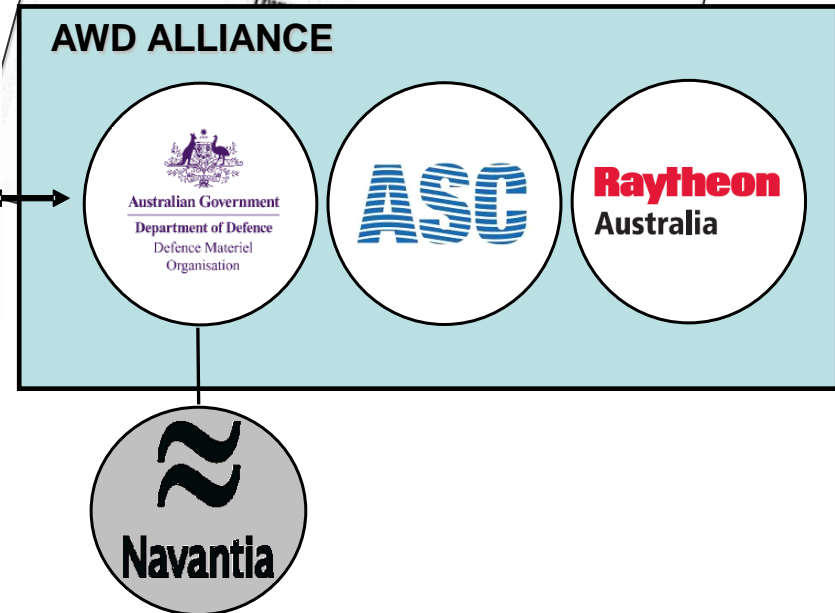
“To deliver an Air Warfare Destroyer capability to enable the Royal Australian Navy to achieve sea control, in conjunction with other ADF or coalition maritime, land and air forces.”



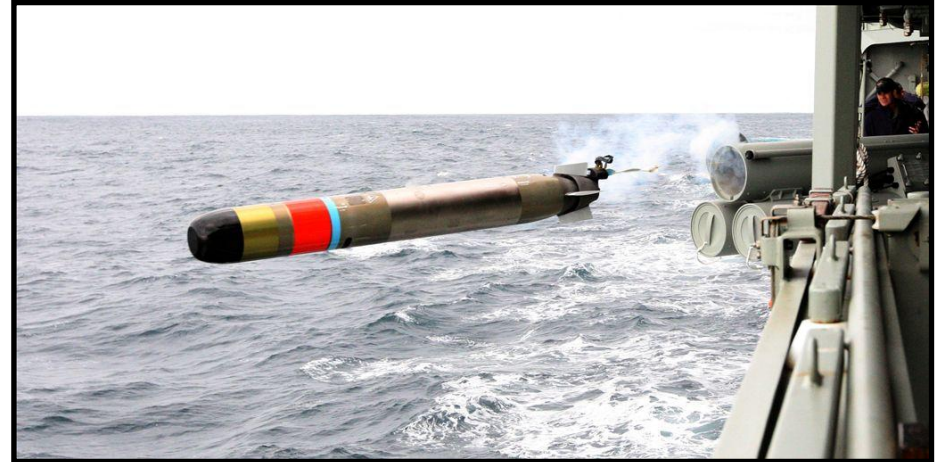
- *Purpose, design, construction, certification and delivery of three Hobart Class Air Warfare Destroyers and Support System elements.*
- *DMO sought improvement in major procurement program outcomes.*
- *Customer embedded within organisation allows better understanding and decision making.*
- *Brings together best of industry expertise in business systems, technical and product know how to create an 'organisation' to execute.*



Foreign Military
Sales (FMS)



“The Government has decided that MOTS and COTS solutions to Defence’s capability requirements will be the benchmark.” DCP 2009



Definition of off-the-shelf:

- hardware or software that already exists, is in service with one or more customers for an equivalent purpose and requires no, or minimal, change.

By choosing a COTS/MOTS or FMS acquisition strategy with design & foreign acceptance maturity, the:

- complexity,***
- risk and***
- cost of T&E***

will be reduced.

True, but.....

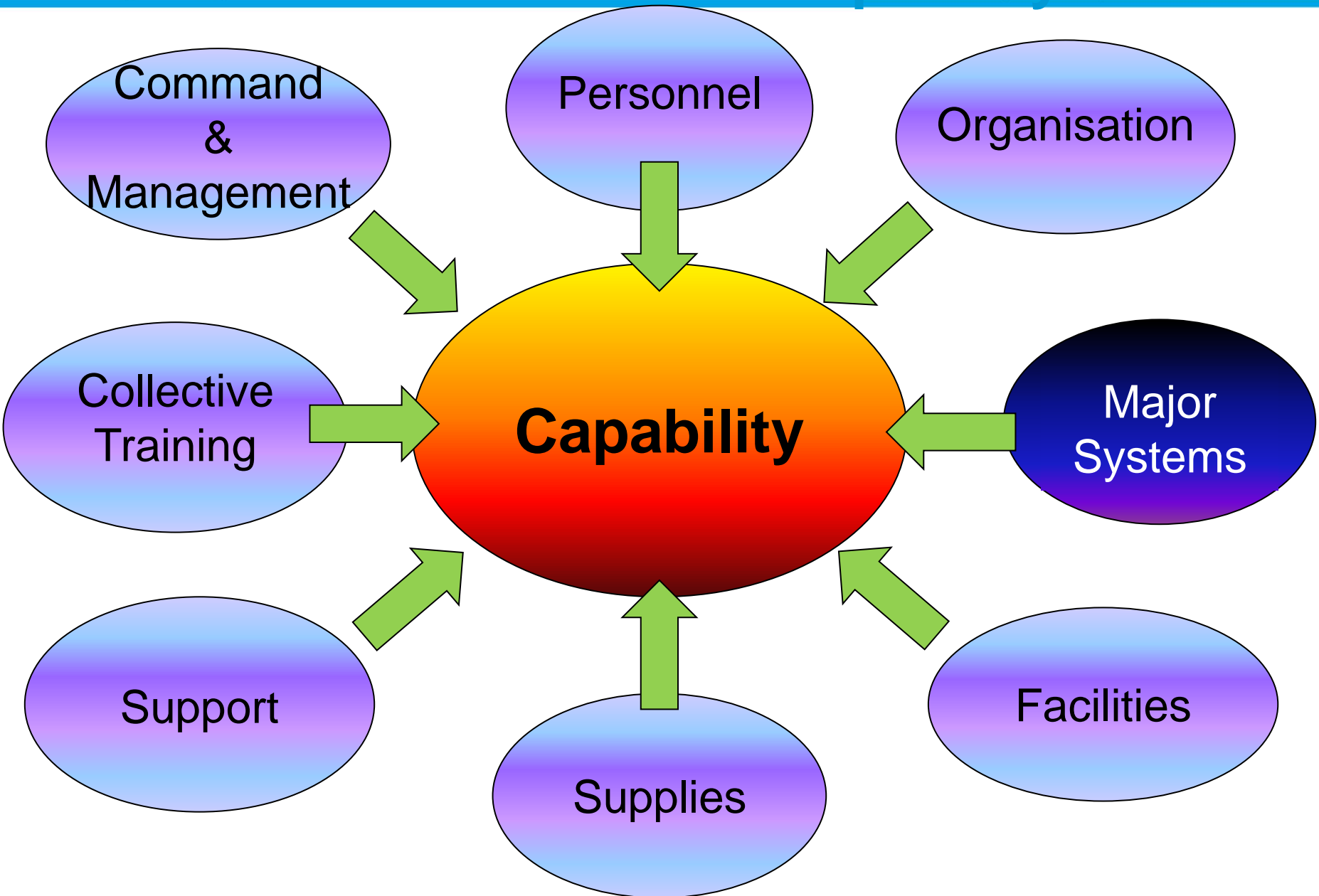
COTS/MOTS brings its own technical & operational risks:

- *Availability of Valid test documentation &/or samples to support Australian design acceptance & operational release.*

Every COTS/MOTS system:

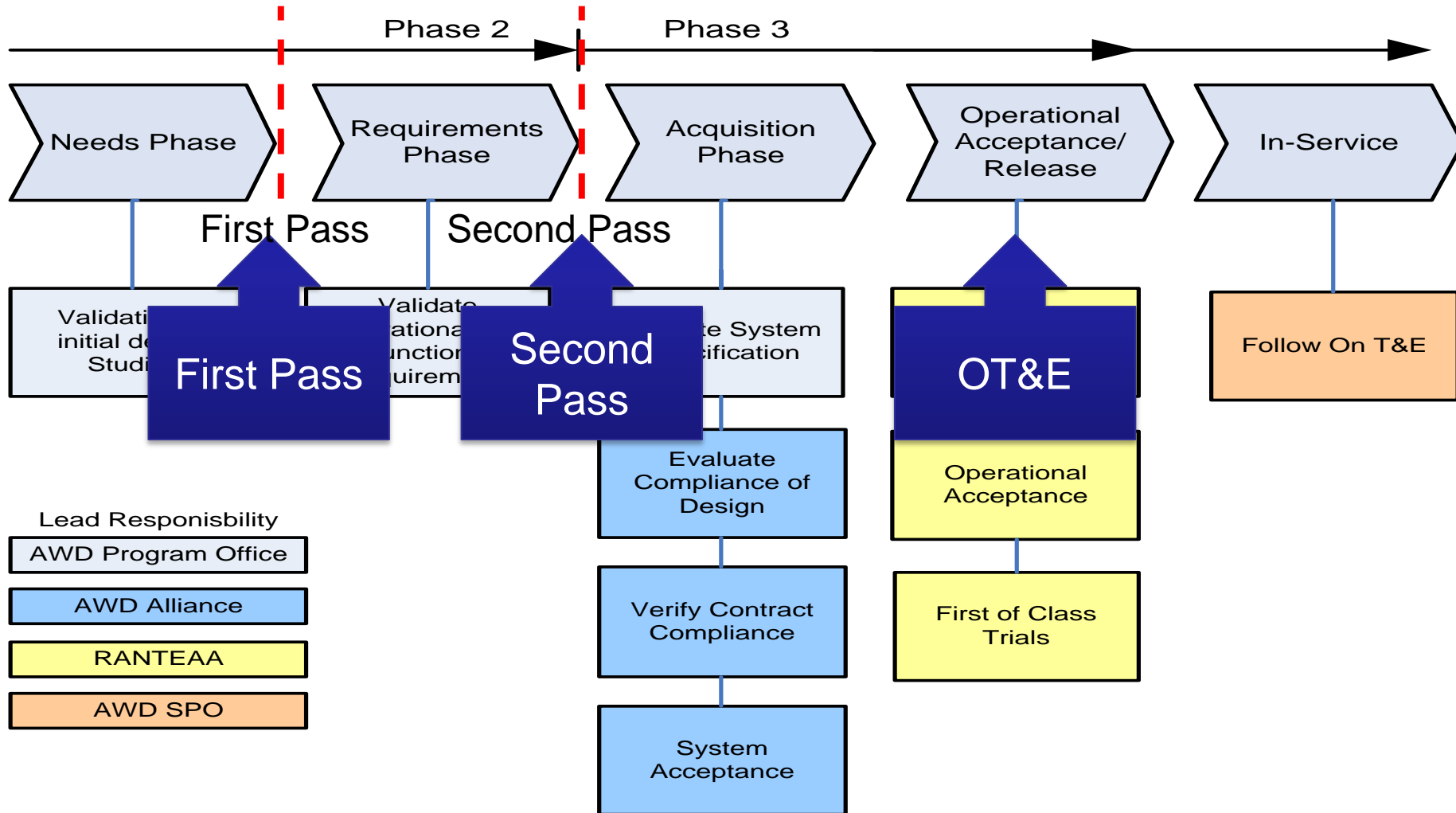
- *Has residual safety risks accepted by the foreign certifying authority,*
- *has important work-arounds in the operating procedures developed during foreign T&E,*
- *has tactical strengths & weaknesses determined during the foreign OT&E,*
- *Is subject to continuous configuration change from date of acceptance through spiral development on production line & changes for customers,*
- *Still requires the foreign COTS/MOTS to be integrated with the non-materiel Australian FIC,*
- *Still requires to work operationally with & in support of other ADF weapon systems in a NCW environment*

Australian Fundamental Inputs to Capability





AWD TEST Phases



Test Planning is therefore critical to enable the government to make the right decisions at the right time.

Test Concept Document

- One of three Capability Definition Documents
- Presented to Government at 1st & 2nd Pass
- Describes testing to be conducted during **all** phases of Project
- But, particularly *Acceptance into Service*, and
- Must include all of the FIC



AIR WARFARE DESTROYER
SEA 4000

TEST CONCEPT DOCUMENT

Version 6.0
October 2012



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Questions?

