Air Warfare Centre

Our transition to DASR

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Air Warfare Centre – A brief History

- Briefed by CAF Mar 2015
- Key initiative under Jericho
- IOC realised Jan 2016
- FOC scheduled for 2020
- Has grown out of AOSG – but it is a substantially different organisation to AOSG
  - This is not a re-badge
Air Warfare Centre – Core Roles

• Integration
  – Drive collaboration across AWC, Air Force, Tri-Service, Coalition and Industry partners based on the problem needs

• Innovation
  – Identify opportunities for, and create environment to, deliver innovative solutions across AWC, Air Force, Tri-Service, Coalition and Industry partners based on the problem needs

• Information
  – Capture, Standardise, Leverage and Disseminate Information
Integrated Project Teams (IPT): Multi-discipline teams formed by SMEs drawn from AWC, RAAF and broader ADO as required. Coordinated by IMS.
What do we do for you now?

• Provide “approved designs”
• AWE SQN (TED AEO)
  – Stores Clearance
  – Instrumentation and flight test modifications
• JEWOSU (JEWOSU AEO)
  – MDFs / EW threat libraries
• AIS-AF (TED AEO)
  – AI – digital and paper based
What do we do for you now?

• We produce “quality” product
  – Evidenced by design approval
• We provide specific advice within our area of specialisation
• We contribute to whole of platform design change assessment
  – We (ARDU) assess platform compliance with airworthiness standards – but this is within scope of OA Reg 4 flight test, and not under our AEO.
What don’t we do for you?
(what our present AEOs don’t do for you)

• We don’t assess broader platform design changes
  – Those aligned with activity
  – Those triggered by our activity
• We don’t approve broader whole of platform complimentary changes
• We don’t assess the long term installation of our design activity on the platform
  – Driven by SOI, CRE
  – Management strategies tailored to suit context
Example – Stores Clearance
What do we do for you under DASR?

- Design supplier
- Do not perform “design approval”
  - Do not need to be a DASR21J organisation (current thinking)
- We develop designs to the point of performing CVE review
What do we do for you under DASR?

• Focus on demonstrating design compliance
• Don’t perform CVE review in our own right
  – Can exercise CVE review under delegation identified in your MDOE

• Same outcome achieved as under TAMM
Some minor changes

• Existing JEWSOU and AIS Products
  – MDFs / EW threat libraries
  – Aeronautical Information (Nav Data Updates)
• Not required to be subject to “design approval”
• AWC can release direct to FEG/CAMO for incorporation
• AI will have limited “Authority” oversight
What about flight test?

• Authorisation of Flight Test
  – Current intent unaffected
  – DASR Permit to Fly supports FT outside of Type Certification basis
  – Permit to Fly will be issued by suitable delegate

• Mechanism TBD
  – Delegation from Authority to suitable person
  – Privilege to appropriate DASR21J
What about flight test?

- AWC continue to provide instrumentation design in support of flight test
  - (under Permit to Fly) Part 21J design approval of aircraft level design change not required (can’t be done)
- For enduring instrumentation
  - AWC provide quality design
  - Platform DASR21J completes CVE review and design approval
Example - Instrumentation
AWC transition

• Moving to a DASR “like” organisation
• Centralising EMS ownership
  – AWC HQ CENGR (head of design)
  – AWC HQ Office of Airworthiness
  – AWC HQ Head of Independent System Monitoring (also AWC QM)
• Working under single EMP
AWC transition

• Will maintain ISO9001 accreditation
  – Demonstrate a quality organisation

• Encourage identification of AWC pers within platform MDOE to conduct CVE review
Other challenges

- We also operate aircraft
  - 3xPC-9 dedicated to AWC

- Working through how we satisfy DASR M CAM obligations
Questions