



# Air Warfare Centre

*Our transition to DASR*

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**WGCDR Matt Kennedy**  
**AWC SOLOGENG**



# 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

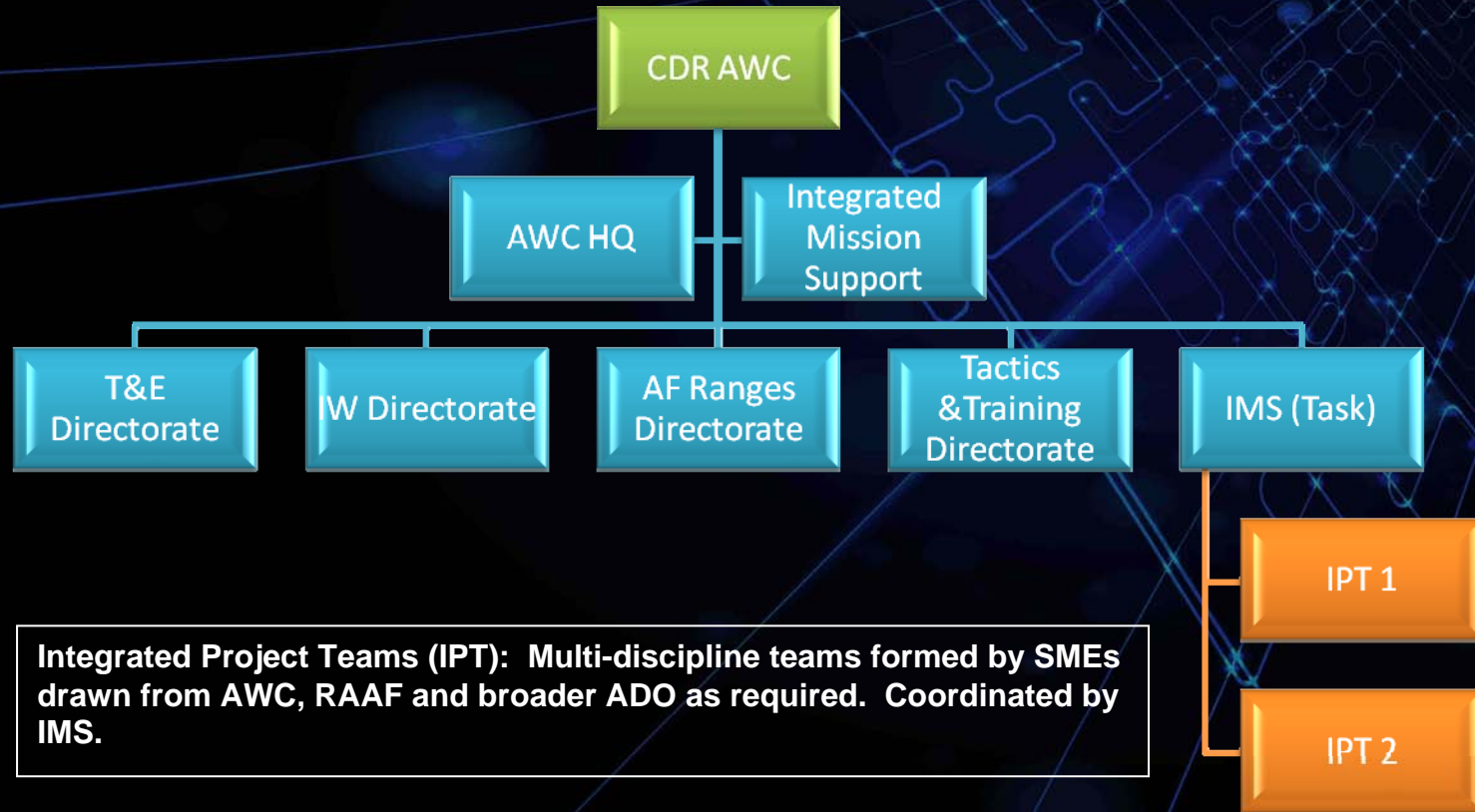


# Air Warfare Centre – Core Roles

- **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



# AWC Overview



# HQ Air Warfare Centre

Oversight and Governance



## Integrated Mission Support

Coordination of AWC tasking / Operational Analysis



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# 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



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# 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



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# Example - Stores Clearance



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# 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



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# 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



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# Questions



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