

UNCLASSIFIED



Australian Government  
Department of Defence  
Defence Aviation Safety Authority

# What Is Going On

WGCDR Hood & SQNLDR Hearne



# Scope

## Strategic Outlook and Context

- Joint Directive 24/2016
- Defence Aviation Safety Assurance Manual
- DASA Business Plan
- RAM Capability

## Update since last Symposium

- New members to ESI
- DASR (current and look forward)
- TAD to AD's, include Volcanic Ash Update to AC
- WDA (current and look forward)
- Advertisement PROP SYS ENG and Masters

## Questions

## Joint Directive 24/2016 *Defence Aviation Safety Framework*

---

- ‘Defence shall implement a credible and defensible aviation safety framework that... shall include appropriate flexibility provisions to support... operational imperatives.’ [1]
- ‘the Defence Aviation safety framework shall be aligned, where appropriate, with... ICAO principles and... EMAR.’ [2]
- Framework implemented through the Defence Aviation Safety Program (DASP) [3]

[1] Para 4.

[2] Para 5.

[3] Para's 12-15.



# *Defence Aviation Safety Assurance Manual (DASAM)*

---

- Defence Aviation Safety Assurance Manual (29 Sep 16 release):
  - Replaces DASP Manual (AAP7001.048) [1]
    - This implies it is a parent to the DASR (AAP8000.011)
  - ‘provides the policies and procedures to support implementation of the Defence Aviation Safety Framework.’ [2]

[1] Cancellation statement, page 2.

[2] DASAM Purpose statement, page 1.

# *DASA Business Plan 2018-2022*

---

- **Draft – final review cycle now**
- Signatories: DG DASA, Director DDAAFS, Director ACPA
- Purpose: [1]
  - provides DASA Commanders intent
  - outlines key activities, tasks and reporting requirements
  - describes DASA business model and the integrated business management system
- Commanders intent: ‘The DASA will enhance and promote the safety of military aviation.’ [2]
- Key activities and tasks (not exhaustive): [3]
  - Implementation of DASR
  - Establish agreement between CASA and Defence
  - Targeted MAA recognition

[1] Para 2.

[2] Para 13.

[3] Para 19.

## *RAM Capability*

---

- DASA investigating better ways to integrate the CASG RAM capability within DASA (possibly DAVENG)
  - Will address related DASR
  - Improve DASAs statistical analysis capability
- Long term aspiration: have an independent reliability capability, acknowledging that Defence aviation is not large enough to duplicate CASG functions

# New Members

OIC ESI		<p>SQNLDR Samantha Hearne</p> <p>Section Manager, UAVs, PROPSYSENG Course and Condition Monitoring</p> <p>(03) 9622 2721  <a href="mailto:samantha.hearne@defence.gov.au">samantha.hearne@defence.gov.au</a></p>
DASA-ESI1A		<p>FLTLT Rashmin Gunaratne</p> <p>F-35A Lightning II, F/A-18 Hornet &amp; Super Hornet, Chinook, Black Hawk, Seahawk and MH-60R</p> <p>(03) 9622 2718  <a href="mailto:rashmin.gunaratne@defence.gov.au">rashmin.gunaratne@defence.gov.au</a></p>
DASA-ESI1B		<p>FLTLT Belinda Pavlovic</p> <p>C-17A Globemaster III, KC-30A MRTT, BBJ SPA, Challenger SPA, PC-9, PTS and King-Air</p> <p>(03) 9282 7561  <a href="mailto:belinda.pavlovic@defence.gov.au">belinda.pavlovic@defence.gov.au</a></p>
DASA-ESI1C		<p>Mr Alvin Ng</p> <p>AP-3C Orion, C-130J Super Hercules, C-27J Spartan, Kiowa, Squirrel, B429 (RMI2) and EC-135</p> <p>(03) 9282 3069  <a href="mailto:alvin.ng1@defence.gov.au">alvin.ng1@defence.gov.au</a></p>
DASA-ESI1D		<p>Mr Adam Thomas</p> <p>LIF Hawk, MRH 90 Taipan, ARH Tiger, E-7A Wedgetail, P-8A Poseidon, Sabre and CT-4</p> <p>(03) 9282 3652  <a href="mailto:adam.thomas4@defence.gov.au">adam.thomas4@defence.gov.au</a></p>
ESI1Q		<p>Mr. Chris Keryk</p> <p>Engineering as required across all ADF platforms</p> <p>(03) 9282 3204  <a href="mailto:christopher.keryk@defence.gov.au">christopher.keryk@defence.gov.au</a></p>



# DASR

---

- Propulsion System vs Engine
- Propulsion System Critical Parts Definition
- Hazardous Propulsion Effects
- Unsafe Condition Assessments
- ESIMP or PSIMP
- ESI Manager
- ESI Working Groups



# AD and AC's

Australian Government  
Department of Defence

Department of Defence > DASA > Home

**Information**

- Home
- About Us
- DASA Home
- Directorate of Aviation Regulation
- Directorate of Aviation Compliance
- Directorate of Aviation Certification
- Directorate of Aviation Engineering
- Directorate of Airworthiness Coordination and Policy Agency
- Directorate of Defence Aviation and Air Force Safety
- Defence Aviation Safety Regulation
- About DASR
- Defence Aviation Safety Regulation
- DASR Forms
- DASR Templates
- DASR FAQs
- Organisation Approvals Under DASR
- Notice of Proposed Amendment
- Promotion and Education
- Technical & Operational Airworthiness Regulation
- Directives and Circulars**
- Defence Aviation Authority Directives
- Advisory Circulars
- Airworthiness Directives

**The Defence Av**

In accordance with Joint Direc  
Aviation Safety Authority (DAS  
objective is primarily achieved  
supports compliance with sta  
risks. The DASA comprises it  
DASP on behalf of the Defenc

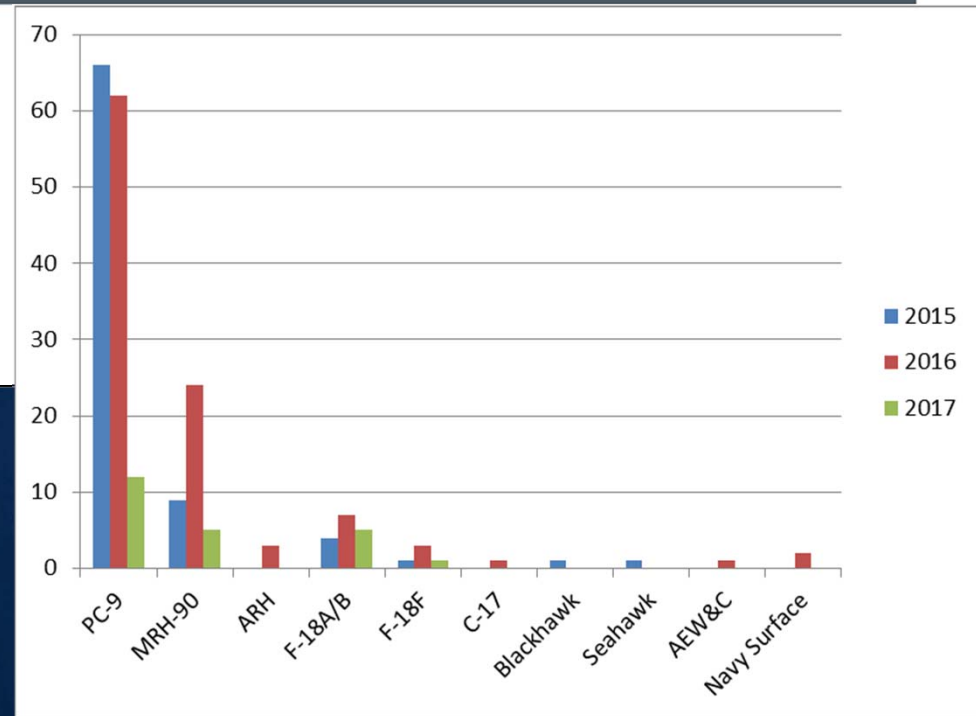
TAD	Title	AD
04/2015	Approved Life Reduction for T55-GA-714A Critical Components Due to IRSS Fitment	A15F 2017-XXX
07/2013	Arriel 1B Cycle Counting Algorithm and Retrospective Relife	N22 2017-XXX
12/2012	T56 Turbine Vane Case Distortion Risk Analysis	A9 2017-XXX
11/2012	T56 Turbine Wheel Manufacturing Flaw Risk Treatment Risk Analysis	A9 2017-XXX
02/2012	Volcanic Ash Operations	TBA

<http://www.defence.gov.au/DASP/DASR-Regulations/AwDirectives.asp>



# WDA

- ADF WDA lab running efficiently
- FST PC-9 Screen Tool Validated



- Chasing long term in-situ solution



# Advertisements

---

## **Propulsion System Engineering Course (PROP SYS ENG)**

- 3 days, Amberley
- Free for Defence
- Next course approximately Sept 17
- Questions to OIC ESI ([samantha.hearne@defence.gov.au](mailto:samantha.hearne@defence.gov.au))

## **Aircraft Structural Integrity Symposium**

- 3 days, DSTG
- Free for all attendees
- Approximately Sept 2018
- Questions to DD ASI ([ravinder.singh@defence.gov.au](mailto:ravinder.singh@defence.gov.au))

## **Helo Structural Engineering Familiarisation Course**

- 3 days, Location TBA
- Nov 2017
- Questions to OIC HSI ([mehdi.moussaoui@defence.gov.au](mailto:mehdi.moussaoui@defence.gov.au))

## **Thermal Power Masters**

- 12 months, Cranfield University UK
- Next EOI due to be released approximately March 19
- Member chosen by DP-AF
- Questions to ESI 1A ([rashmin.gunaratne@defence.gov.au](mailto:rashmin.gunaratne@defence.gov.au))



---

# Questions?