



Australian Government

Department of Defence

Defence Aviation Safety Program

Senior Design Engineers Symposium 2016

“DASR – The Future of Airworthiness”

Terminology TAREG Vs DASR



May 2016

Defence Aviation Safety Program

Assumption

- SDE Symposium attendees have a Basic level of DASR awareness/understanding
 - Participated in DASR awareness training or similar



Defence Aviation Safety Regulation (DASR)

[Basic Regulation](#)

Implementing Regulations (IR)

Initial
Airworthiness

[DASR 21](#)
(Aircraft Design,
Production and
Certification)

Continuing
Airworthiness

[DASR M](#)
(Continuing Aw
Management)

[DASR 145](#)
(Requirements for
Maintenance
Organisations)

[DASR 66](#)
(Military Aircraft
Maintenance Licensing)

[DASR 147](#)
(Aircraft Maintenance
Training Organisations)

Operations
Personnel

[DASR OP.Gen](#)

[DASR Aircrew](#)

[DASR RPA](#)
(Remotely Piloted A/C)

[DASR AvSS](#)
(Aviation Support Sys)

[DASR MED](#)
(Medical)

[DASR FSTD](#)
(Flight Simulation
Training Devices)

Air
Operations

[DASR AO.Gen](#)

[DASR ARO](#)
(Authority Req for AO)

[DASR ORO](#)
(Org Req for AO)

[DASR NDR](#)
(Non-Defence Reg A/C)

[DASR SPA](#)
(Specific Approvals)

[DASR SPO](#)
(Special Operations)

[DASR UAS](#)
(Unmanned A/C
System)

[DASR FTE](#)
(Flight Test)

[DASR ACD](#)
(Air Cargo Delivery)

Air Navigation
Services

[DASR ANS.Gen](#)

[DASR ATM](#)
(Air Traffic Mgmt)

[DASR CNS](#)
(incl NAVAIDS)

[DASR AWR](#)
(Air Weapons Range)

[DASR MET](#)
(Meteorology)

[DASR AIS](#)
(Aeronautical
Information Services)

[DASR ABM](#)
(Air Battle Mgmt)

[DASR TAC](#)
(Terminal Attack
Control)

Standard
Rules of the Air

[DASR SRoA.Gen](#)

[DASR RoA](#)

Aerodromes

[DASR ADR.Gen](#)

[DASR RFA](#)
(Authority Req for
Aerodromes)

[DASR OFA](#)
(Operational Req for
Aerodromes)

[DASR DFA](#)
(Design Req for
Aerodromes)

[DASR SAF](#)
(Ship Aviation Facilities)

[DASR RFF](#)
(Rescue/Firefighting)

Aviation Safety
Management Systems

[DASR SMS](#)
(Safety Management
Systems)

Extant (TAREG) Vs DASR Lexicon[^]

Authority

Current	DASR	DASR explanation
Defence AA	Defence AA	Defence AA
ACPA, DGTA-ADF, DDAAFS	DASA	The Defence Aviation Safety Agency (DASA) comprises the three existing aviation safety organisations
DASP	DASP	DASP
MILAVREG, OAREG, TAREG	DASR	Defence Aviation Safety Regulations (DASR)
DASM	DASMS Manual	Not regulatory manual, corporate solution for Defence

[^] Note: Explanation/background of lexicon is provided in DASR awareness modules 1 – 5



Extant (TAREG) Vs DASR Lexicon[^]

Current	DASR	DASR explanation
Airworthiness Definition	<i>Retained as tenet (non regulatory)</i>	Current definition retained as tenet for aviation safety
Technical Airworthiness	Airworthiness	Global definition only technical
Operational Airworthiness	Air Operations	Safe Air Operations
Airworthiness Board	Independent Board of Review	-048 already uses Independent Board of Review
OAA	Command Aviation Authority	Command Authority not an aviation safety appointment
OAR	Nil	DCAF retains administrative command of DASA
TAA/TAR	Nil	NMAA (part of DASA)
OAAR	MAO	Accountable Manager (AM) for Military Air Operator (Flying Command only) and AM for CAMO*
OAAR(Acq)	Nil	MAO or delegate

[^] Note: Explanation/background of lexicon is provided in DASR awareness modules 1 – 5



Extant (TAREG) Vs DASR Lexicon[^]

Current	DASR	DASR explanation
FEGCDR	MAO	Military Air Operator (MAO)
<i>DLC (non regulatory)</i>	CAM	Continuing Airworthiness Manager (CAM) (DASR M)*
FTAA	Refer explanation	Air Warfare Centre and AMAFTU will be a DASR 21J Design Org with privilege to issue Military Permits to Fly
DAR (and Design Acceptance)	Refer explanation	Combination of NMAA delegate (MTCH), Head of Design (DASR 21) and CAM
Senior Design Engineer	Head of Design	Head of Design (DASR 21)
Senior Maint Manager	Responsible Manager	Responsible Manager (of DASR 145 maint org)
AEO (Design elements)	DASR 21J MDOA	Military Design Org Approval (DASR 21J)
AMO (Maintenance elements)	DASR 145 AMO	Approved Maintenance Organisation (DASR 145)

*Subject to individual FEG structure of Military Air Operator and CAMO

[^] Note: Explanation/background of lexicon is provided in DASR awareness modules 1 – 5



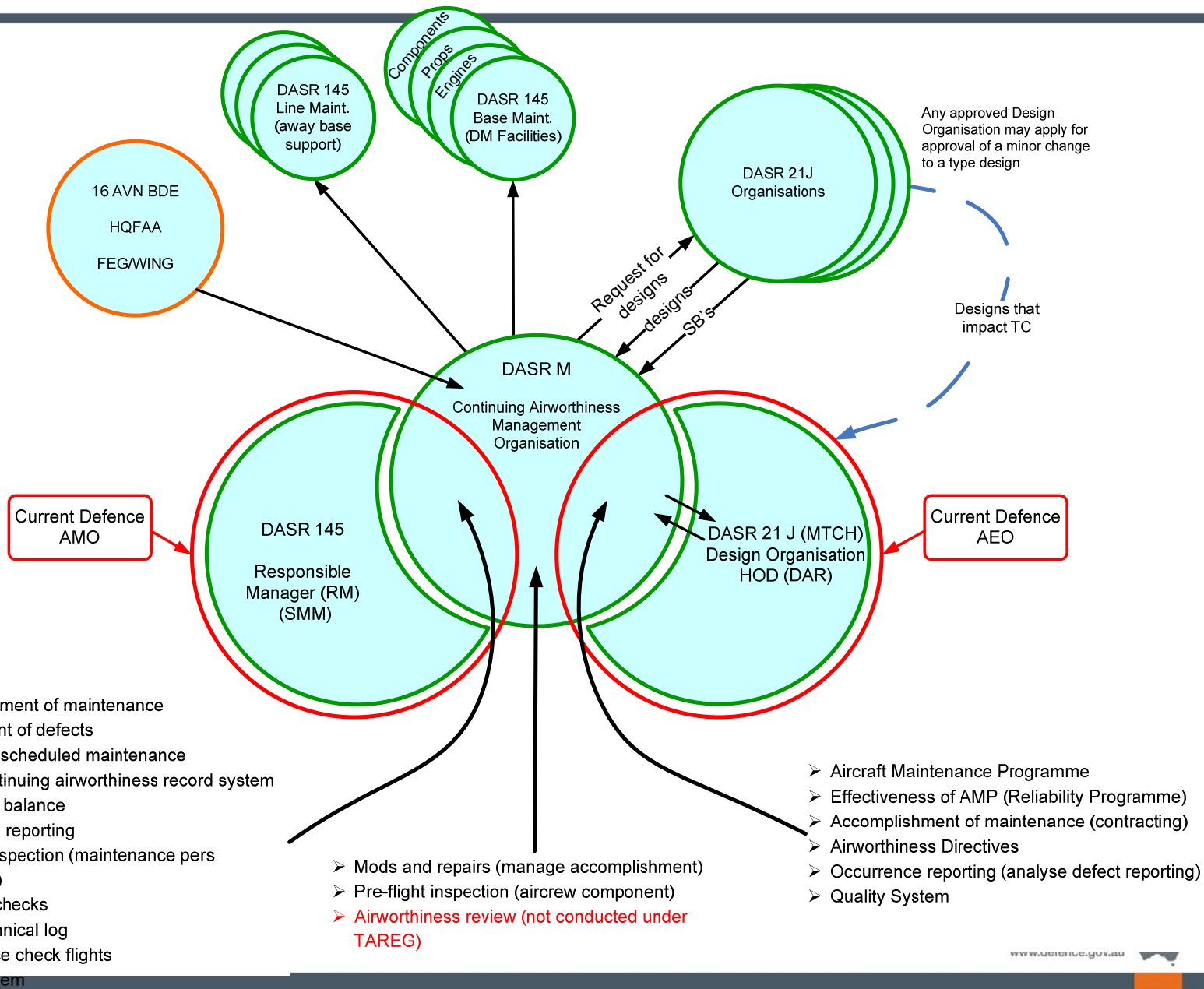
Extant (TAREG) Vs DASR Lexicon[^]

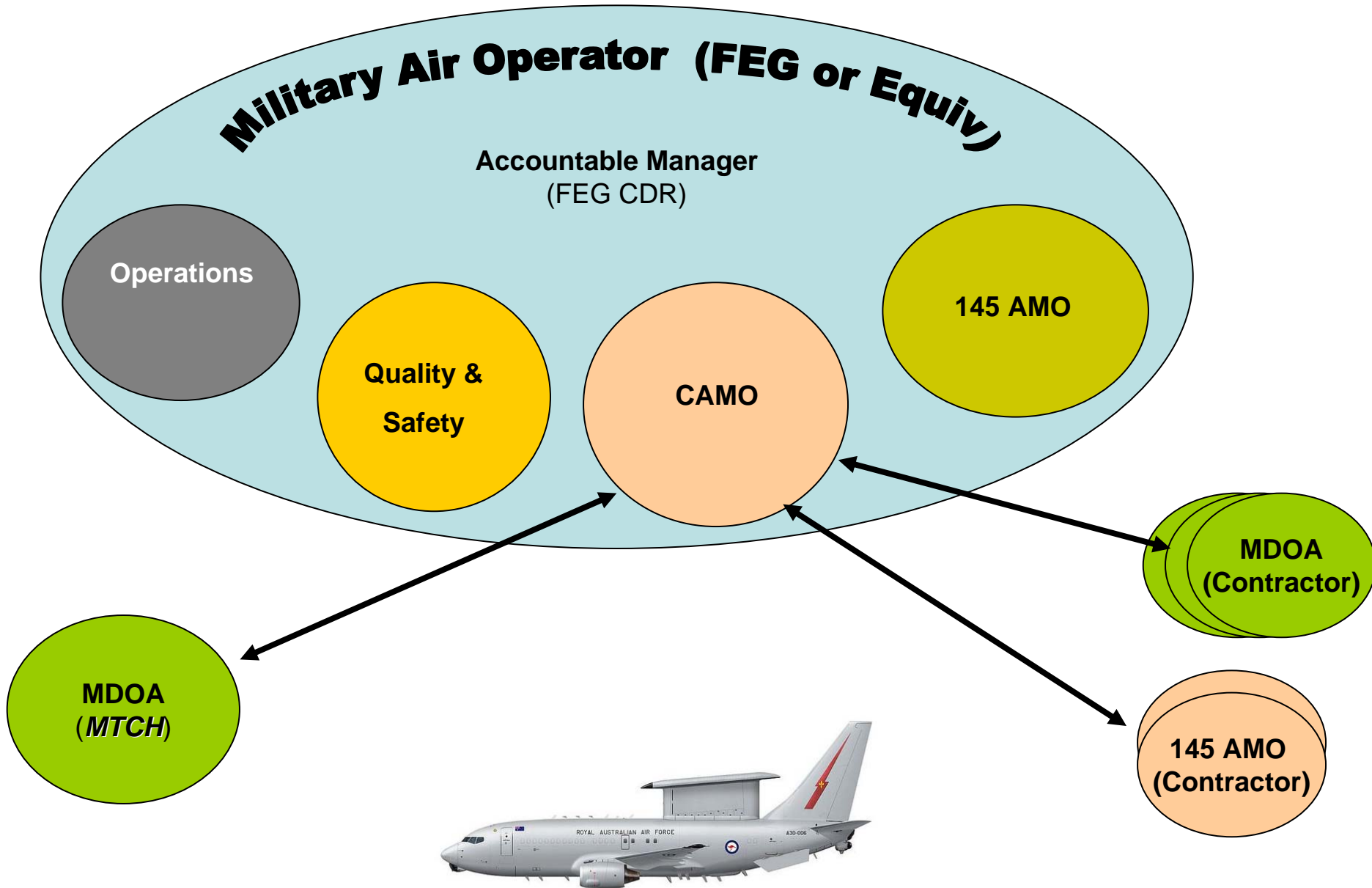
Current	DASR	DASR explanation
AMTC	MTC	Military Type Certificate (MTC) issued by DASA
Service Release	MAO	Issuance of a Military Air Operator Certificate (MAOC)
SFP	MRTC / MAO	Military Restricted Type Certificate (MRTC)
STC	STC	STC
FTP, Minor SFP, AD (authorising flights), UASOP	Permit to Fly	Permit to Fly
TAD	AD (Global Definition)	Airworthiness Directive (Global definition) are technical in nature
AD	Defence AA Directive	

[^] Note: Explanation/background of lexicon is provided in DASR awareness modules 1 – 5



Indicative responsibilities of CAMO, 21J Design and 145 AMO against TAREG AEO and AMO





DASR Release Plan

- **DASR Responsibilities**
 - DGTA-ADF and ACPA responsible for regulation development
 - Transition will be segmented
 - Opportunities for early adopters
- **DASR Release**
 - 29 Jan 16 : Draft regulations released
 - NLT Sep 16 : Provisional* DASR release
 - Jan 17 : Approved DASR to be Promulgated
- **Extant Regulation**
 - Dec 18 : Extant Defence Airworthiness Regulations (MILAVREG, OAREG, TAREG) no longer supported

* Authoritative upon specific National Military Airworthiness Authority approval



DASR Transition Plan

- Sep 16 Commonwealth
 - DASR 21, M and 145* (aligned with CASG 1QMS)
 - * flexibility exists for progressive engagement
- Jan 17 Commercial
 - Transition initiated NLT Jan 17 – Submission of application for Organisational Approval
 - May align to Sep 16
 - Contractual implications may derive mutually agreed schedules that minimise contractual and commercial impost
- Dec 18: All regulated entities to be transitioned
 - Small number of exceptions may be granted upon demonstrably adverse contractual terms



International Military Airworthiness Regulation Conference

Melbourne, Australia. 14-15 November 2016

Presentations from Key Airworthiness Authorities and Industry on the benefits offered by an emerging global convention on military airworthiness regulation.



Website: www.defence.gov.au/DASP/IMARC

Email: DGTA-ADF.IMARC@defence.gov.au

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