

UNCLASSIFIED



Australian Government
Department of Defence
Defence Aviation Safety Authority

A Healthy CARS & Fewer CARs

ESI1Q – Christopher Keryk

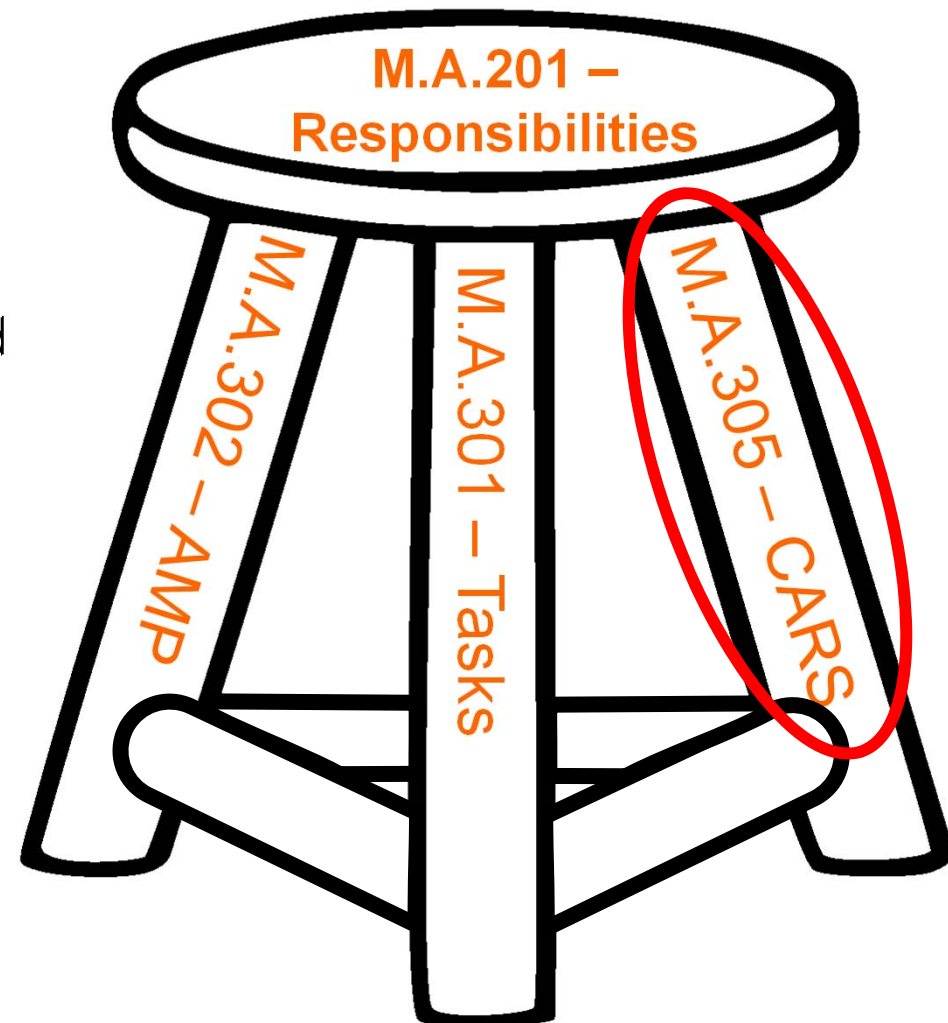


Presentation Overview

- DASR Requirements
- Continuing Airworthiness Record Systems (CARS)
- Impacts of Issues
- CARS Related Findings
- Root Causes of Findings
- Treatments
- Responding to an Issue
- Questions

DASR Requirements

- Critical components
- Containment not possible
- FAR 33.70 – Engine Life Limited Parts
- CAMO Responsibility

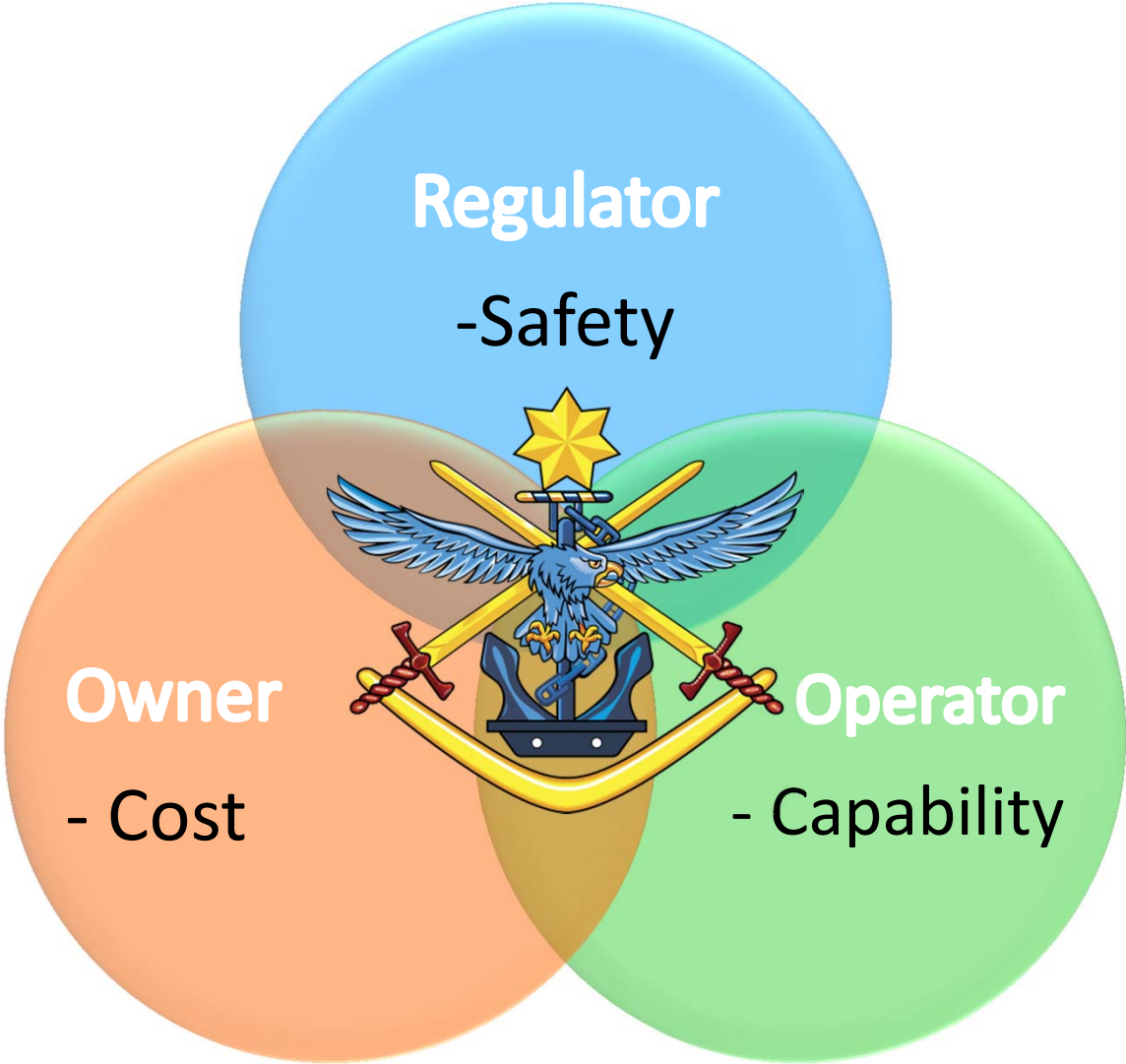


Continuing Airworthiness Record Systems

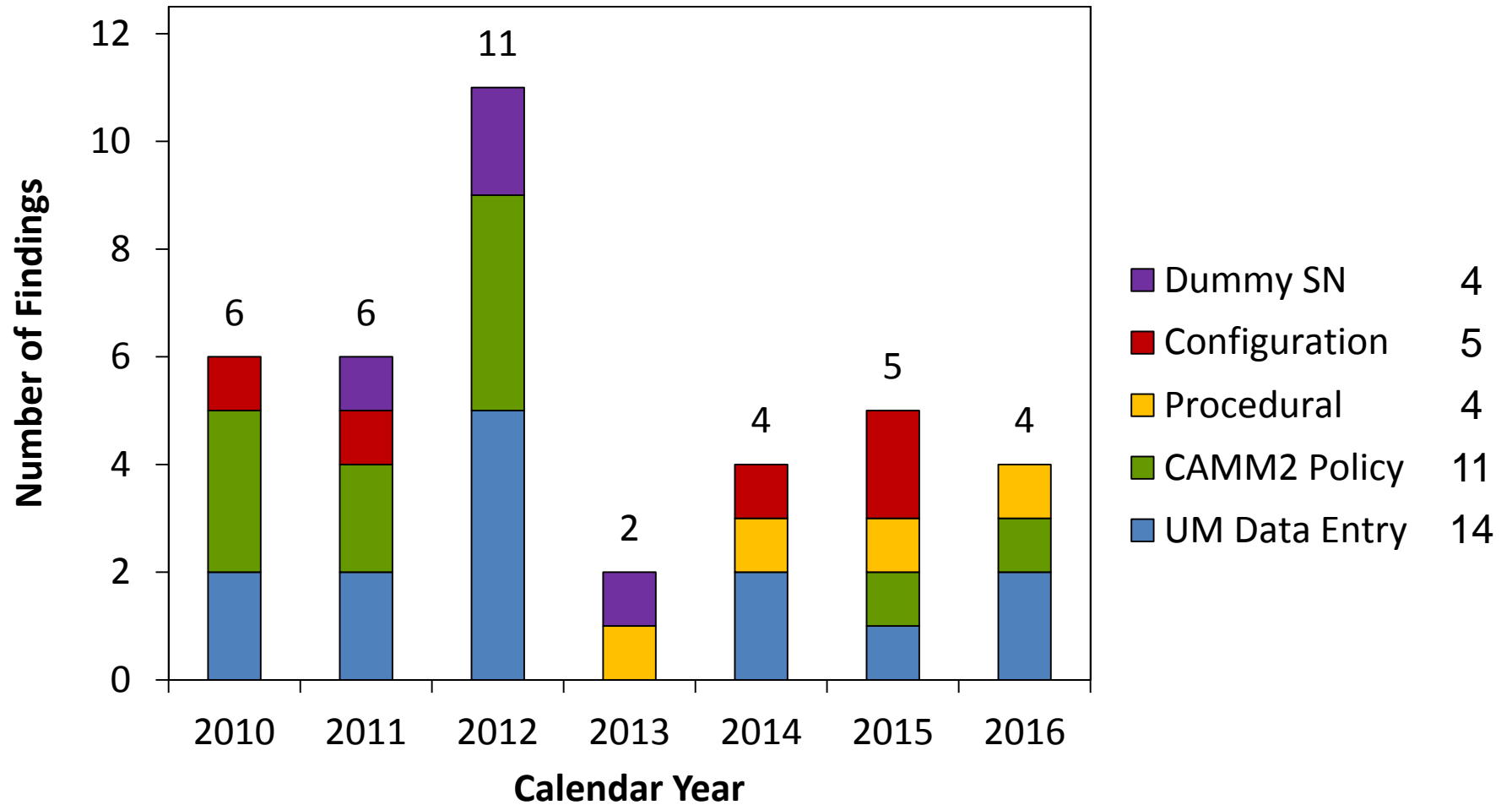
- CAMM2
 - Configuration
 - Usage monitoring
 - Maintenance management
- CAMM2 Redundancy/ Fall back
 - Engine log books
 - OH sheets/tags
 - EE360/ EE500 sheets
- MDSLMS, GLIMS, MMS-Ops, etc.

Tail No.	LCN	ALC	Description	Serial No.	Part No.	WAC	AFHR	APUHR	ECYCLE	ENHR
A34-001	A	0	C-27J SPARTAN	A34-001	G1000001001-001	0000	837.5	738.5		837.5
	A01	0	EQUIP NACELLE	XX035RECR1400002	G1605400001-505	0400	837.5		459	837.5
	A01AA	0	ENGINE BUILD UNIT	XX035RECR1400016	G2607101011-003	0413	837.5		459	837.5
	A01AA00	0	ENGINE ASSY	CAE-560155	23085027	0413	837.5		459	837.5
	A01AA00AJ	0	COMPRESSOR ASSY	XX035RECR1402429	23060060	0413			459	837.5
	A01AA00AJ00	0	1ST STAGE COMPRESS	L388310	23084156	0413			459	837.5
	A01AA00AJ01	0	2ND STAGE COMPRESS	L377023	23084157	0413			459	837.5
	A01AA00AJ02	0	3RD STAGE COMPRESS	L376492	23084158	0413			459	837.5
	A01AA00AJ03	0	4TH STAGE COMPRESS	L375039	23084159	0413			459	837.5
	A01AA00AJ04	0	5TH STAGE COMPRESS	L367382	23084160	0413			459	837.5
	A01AA00AJ05	0	6TH STAGE COMPRESS	L388765	23084161	0413			459	837.5
	A01AA00AJ06	0	7TH STAGE COMPRESS	L379938	23084162	0413	50837.5		459	837.5
	A01AA00AJ07	0	8TH STAGE COMPRESS	L374252	23084163	0413			459	837.5
	A01AA00AJ08	0	9TH STAGE COMPRESS	L377846	23084164	0413	837.5		459	837.5
	A01AA00AJ09	0	10TH STAGE COMPRESS	L387215	23084165	0413	837.5		459	837.5
	A01AA00AJ10	0	11TH STAGE COMPRESS	L375553	23084166	0413	837.5		459	837.5
	A01AA00AJ11	0	12TH STAGE COMPRESS	L379441	23084167	0413	837.5		459	837.5

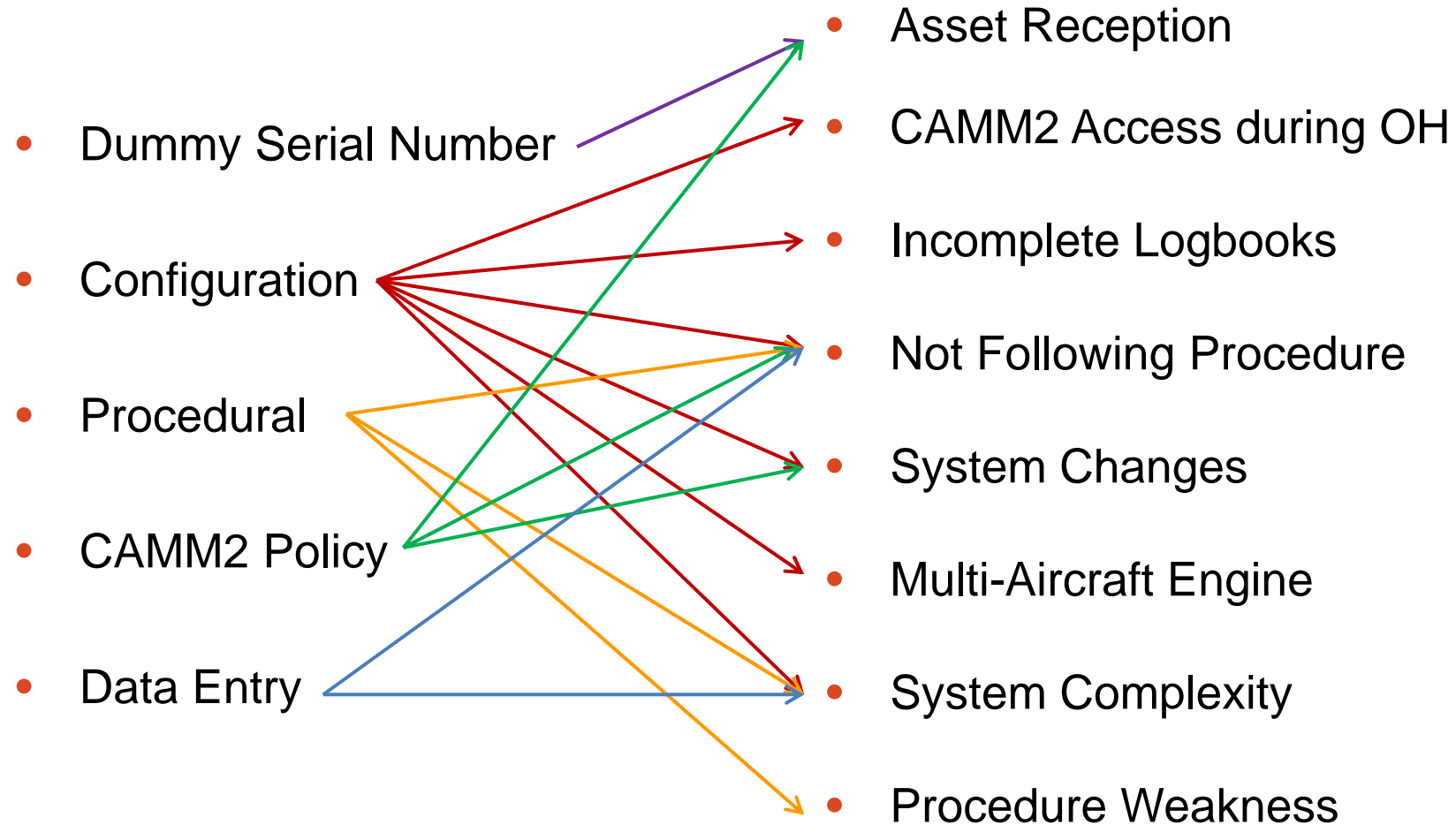
Impacts of Issues



Continuing Airworthiness Record System Related Findings



Root Causes of Findings



Treatments from Experience

- ~~Asset Reception~~
- ~~CAMM2 Access during OH~~
- ~~Incomplete Logbooks~~
- ~~Not Following Procedure~~
- ~~System Changes~~
- ~~Multi-Aircraft Engine~~
- ~~System Complexity~~
- ~~Procedure Weakness~~

- Dual sign off / Review / Audit
- Simplify / clarify responsibilities
- More procedures



Responding to an Issue

- Workshop Hypothetical:
 - Aircraft fleet currently $\frac{3}{4}$ to PWD
 - NDI required on compressor disc
 - ESI manager checks status
 - No inspections in CAMM2 → Uncover configuration issues

Questions?