

DASR: The Good, the Bad and the Ugly..

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Prescriptive & Performance based environment



Prescriptive based environment

Regulations as administrative controls

❖ Rigid regulatory framework

➤ Inspections

➤ Audits

✓ *Regulatory compliance*

Performance based environment

Regulations as safety risk controls

❖ Dynamic regulatory framework

➤ Data based identification

➤ Prioritization of safety risks

✓ *Effective safety performance*

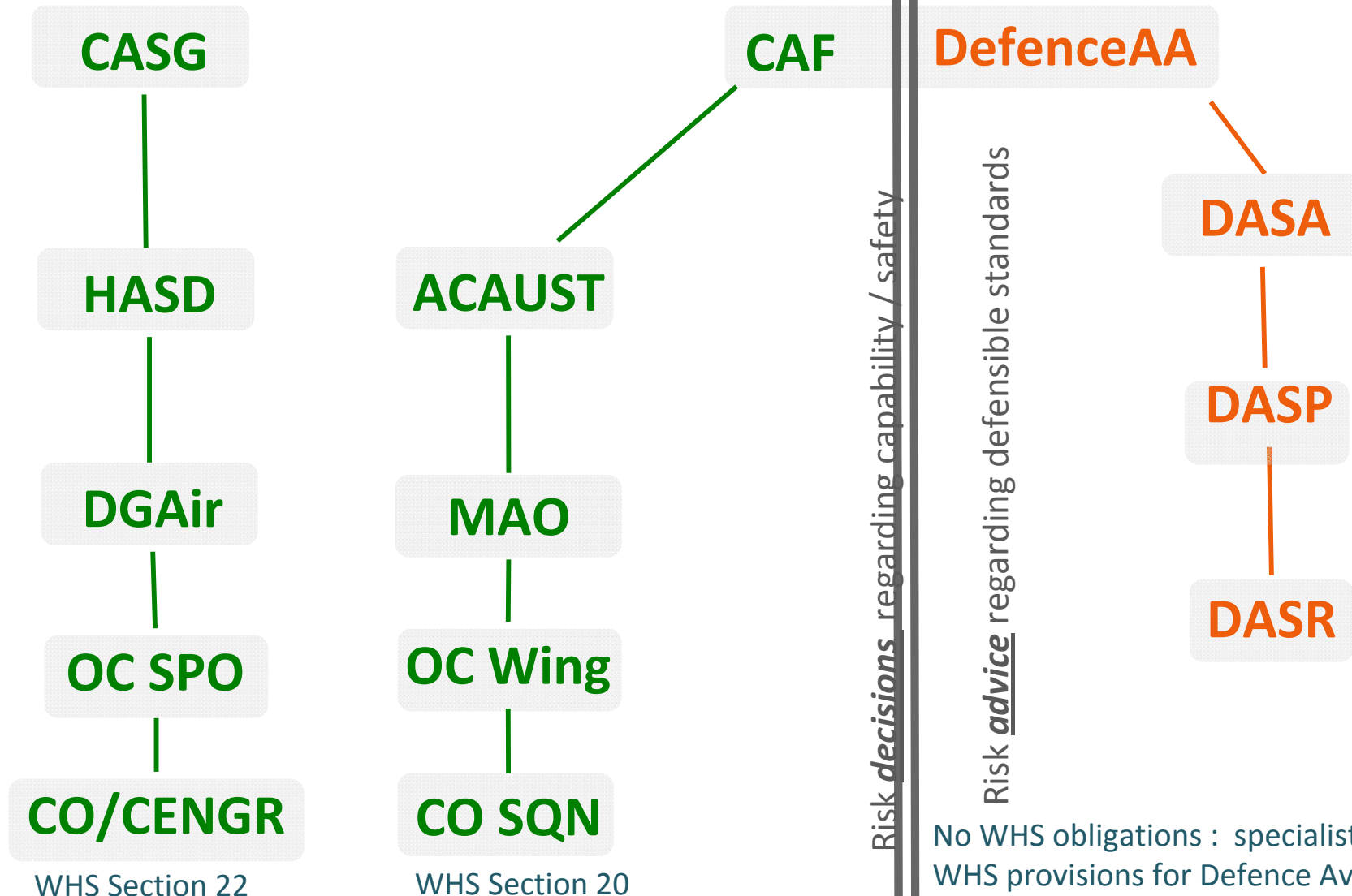
Integrated Safety Management: The Key to Effective Safety-Based Performance



Clear safety accountabilities under Legislation / Common Law

Command must ensure that hazards/risk reduced SFARP

DefenceAA assures Defence aviation safety

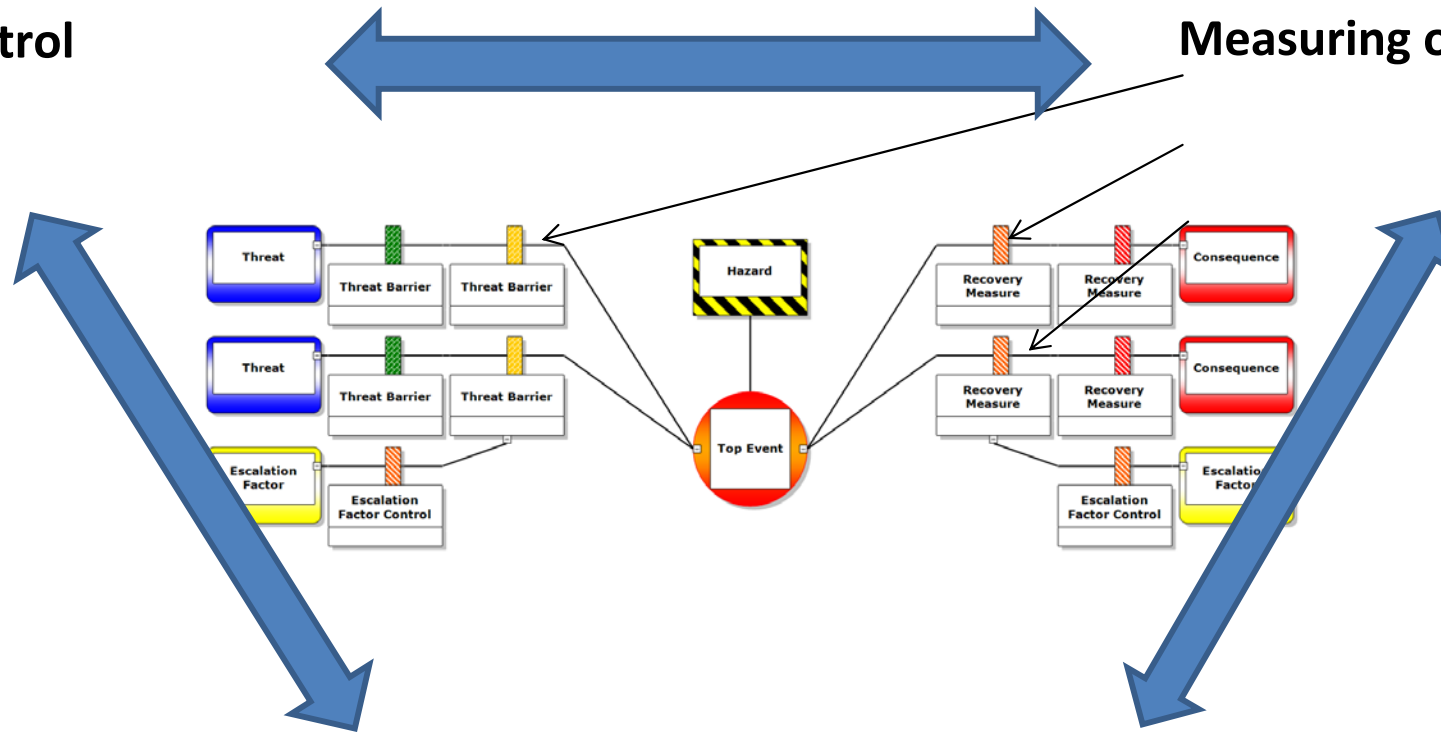


* Air Force example only

BowTie Hazard Analysis – the Heart of the ISMS

**1. Risk Assessment and
Control**

**2. Safety Performance
Monitoring &
Measuring of Controls**



**3. Management Review &
Continuous improvement**

2 Maintenance Support Services

2.1 Foreign Object Debris (FOD)

- 2.1.1 Tools unintentionally left in aircraft
- 2.1.2 General FOD unintentionally left in aircraft

2.3 Incorrect Maintenance Task Execution

- 2.3.1 Incorrect/unserviceable GSE used
- 2.3.2 Incorrect installation/ repair/service performed on aircraft or aeronautical product.

2.5 Human Factors in Maintenance

- Alcohol & drugs
- fatigue
- pressure
- distraction
- etc.

2.7 Explosive Ordnance

- 2.7.1 Ejection seat maintenance
- 2.7.2 Other aircraft EO maintenance
- 2.7.3 Weapons handling

2.2 Incorrect Maintenance Task Management

- 2.2.1 Errors in maintenance planning
- 2.2.2 Incorrect authorisation of personnel
- 2.2.3 Errors with maintenance documentation
- 2.2.4 Inadvertent incorrect release from maintenance

2.4 Incorrect Determination of Serviceability

- Undetected latent defects
- Incorrect fault isolation/diagnostics
- Inadequate NDT
- Incorrect CFU
- Test using uncalibrated tools

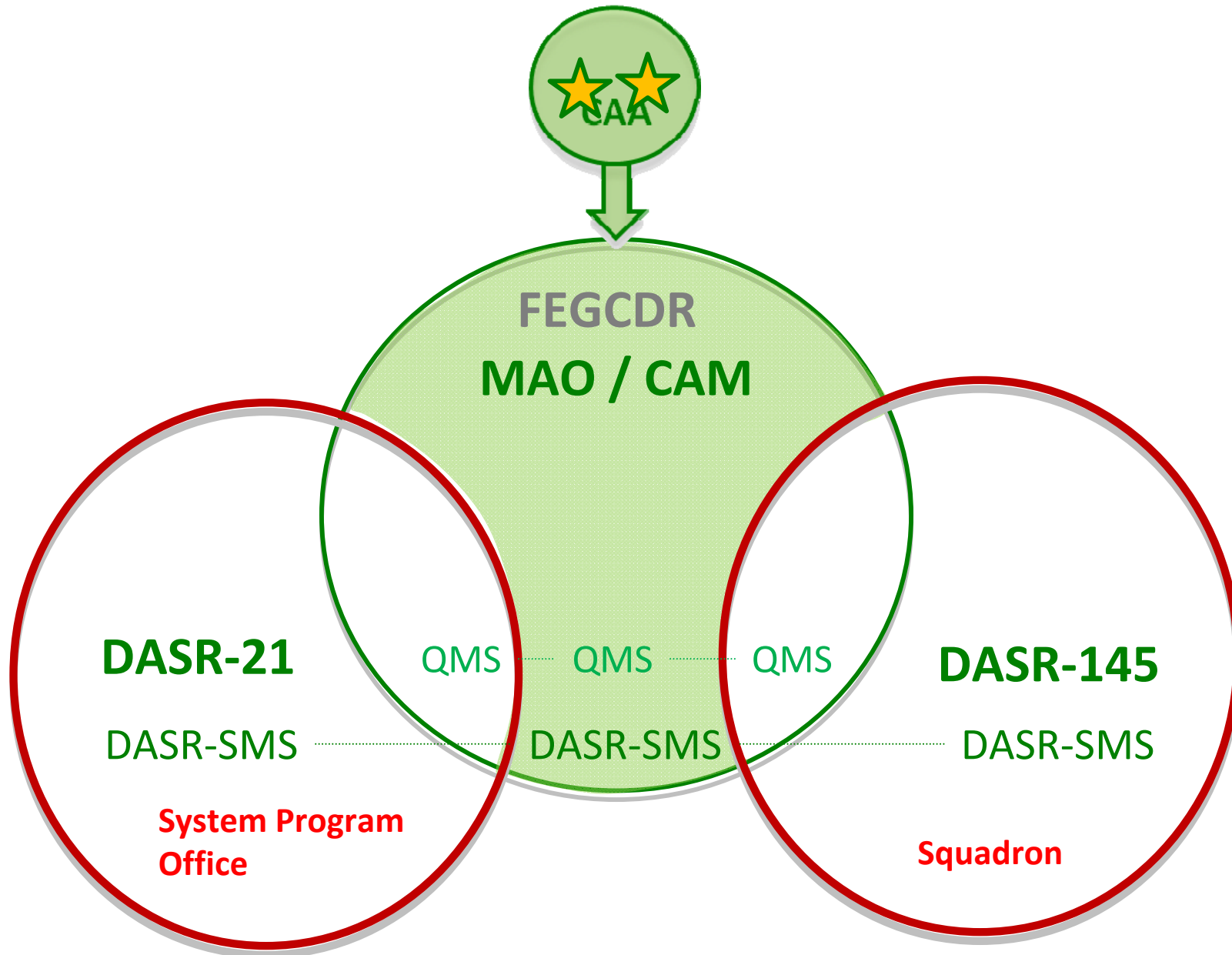
2.6 Aircraft Safety in Maintenance

- 2.6.1 Escape of compressed gas
- 2.6.2 Uncontrolled operation of flight controls, undercarriage, RAT, speedbrake
- 2.6.3 Exposed aircraft electrical power
- 2.6.4 Unstable aircraft during jacking

Aircraft Sustainment Processes – Achieving “Best of Breed”



CAMO is Master: We're Waiting for you!



A Challenging Transition – But a Worthwhile One

