Reliability & Aircraft Maintenance Programs (RAMP) Team Brief

SQNLDVR Justin Ryan, RAM Team Lead
Outline

• Who We Are
• What We Do
• How We Can Assist You
The RAMP Team

- Amalgamation of MRD, RAM and AMP
  - 7 in Melbourne
  - 2 in Canberra
  - 2 Vacancies
RAMP Services

• Support DASA wrt Aircraft Maintenance and Reliability Programs

• Conduct RAM analyses to support informed decision making across procurement, logistic and engineering activities

• Assess maintenance task applicability and effectiveness

• Publication-policy sponsorship and working group coordination
  – RAM Man; AAP 7001.038
  – DRWG; RAMP WG

• Practitioner and awareness training
  – DEFRELMAN; MRD Practitioners Course
Assistance Provided – Engine Related

- Review Documentation
- Understanding Content
  - Distributions
  - Terminology
  - Methods utilised
  - Summary
- Validation
  - Calculations e.g. Sample Size
  - Assumptions/Strategy e.g. Data utilised
  - Suggested Recommendations e.g. Maintenance Policy
- Accuracy Improvements
  - Confidence Limits – Upper & Lower
Assistance Looking Forward

• Second Opinion
  – Smart User/Customer
  – Corporate Governance
• Statistical Analysis
• Probabilistic Risk Assessments
• Simulation
• Aircraft Maintenance & Reliability Programs (E/PSIMP)

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