Engine Structural Integrity & DASR
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Propulsion System Integrity Guide

**DASA Intranet Page**

**DASA Internet Page**
Initial Airworthiness

**CRITICAL PART LIFING POLICY**
- Classify and identify critical parts
- Establish critical part life limits and critical inspections
- Establish usage monitoring algorithms, equations, requirements etc...
- Establish usage monitoring fill in factors, damage factors, accrual factors, conversion factors etc...

Continuing Airworthiness

**USAGE MONITORING SYSTEM**
- Tracking of critical part life consumptions
- Preventing life limit exceedances
- Verified and Validated for ADF specific use
- Routinely Checked accuracy and completeness

**USAGE ASSESSMENT (MISSION ANALYSIS)**
- Assure applicability of critical part lives, inspections and UM requirements for ADF CRE
- Assessments performed routinely throughout the life of type

**OCCURRENCE REPORTING**
- Accurate collection, investigation and analysis of data
- Timely notification and action
- Robust trend management

**CRITICAL PART OPERATIONS OUTSIDE THE TYPE DESIGN**
- Ensure any excursions outside the type design are approved by the Authority
- Ensure the risk is understood and accepted by the operators

**CONDITION MONITORING**
- Comply with OEM mandated CM requirements
- Ensure CM program supports requirements of DASR reliability programme
Critical Part Lifing Policy

• Classify and identify critical parts

• Establish critical part Life limits and critical inspections

• Establish usage monitoring fill in factors, damage factors, accrual factors, conversion factors etc…

• Establish usage monitoring algorithms, equations, requirements etc….
Usage Monitoring System

• Tracking of critical part life consumptions

• Preventing life limit exceedances

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Mission Analysis

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Occurrence Reporting

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Critical Part Operations Outside the Type Design

- Ensure any excursions outside the type design are approved by the Authority
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Condition Monitoring

• Comply with OEM mandated CM requirements

• Ensure CM program supports requirements of DASR reliability programme
Questions?