MPC

ReliaSoft MPC is an MSG-3 compliant maintenance program creator for the aircraft/ aerospace industry.

Features

- Assists MSG-3 working groups to perform Systems and Powerplant Analysis, Structural Analysis and/or Zonal-L/HIRF Analysis in accordance with the MSG-3: Operator/Manufacturer Scheduled Maintenance Development guidelines.

- Supports the analysis process, provides flexible data management capabilities and offers automated report generation in adequate templates that have been accepted for submission to the aircraft industry maintenance review board.

Benefits

- Guides analysts through the implementation process of the MSG-3 logic

- Provides centralised data storage that allows multiple users to cooperate on the analysis and makes it easy to reuse relevant information from prior analyses

- Generates automated reports exclusively designed for the aircraft/ aerospace industry

- Integrates with other ReliaSoft products to enhance your analysis results

ReliaSoft

MPC Software Highlights

MSG-3 Systems and Powerplant Analysis

- Predefined systems and subsystems
- Based on ATA iSpec 2200
- Identify Maintenance Significant Items (MSIs)
- Functional Failure Analysis (F-F-E-C)
- Failure Effect Categorisation (FEC)
  - Evident Safety
  - Evident Operational
  - Evident Economic
  - Hidden Safety
  - Hidden Non-Safety
- Maintenance task selection
  - Lubrication (LUB)
  - Servicing (SVC)
  - Operational Check (OPC)
  - Visual Check (VCK)
  - General Visual Inspection (GVI)
  - Detailed Inspection (DET)
  - Special Detailed Inspection (SDI)
  - Scheduled Structural Health Monitoring (S-SHM)
  - Functional Check (FNC)
  - Restoration (RST)
  - Discard (DIS)
- Check MSI Analysis (highlights potential discrepancies in the application of MSG-3 logic)

Description & Operation (D&O) documents

- Attached to the analysis
- Integrated into report output

MSG-3 Structural Analysis

- Predefined Structures and Sub-Structures
  - Based on ATA iSpec 2200
- Identify Structural Significant Items (SSIs)
- Configurable Rating Systems
  - Environmental Deterioration Analysis
  - Accidental Damage Analysis
  - Fatigue Damage Analysis
- Structural Analysis Tasks
  - General Visual Inspection (GVI)
  - Detailed Inspection (DET)
  - Special Detailed Inspection (SDI)
  - Scheduled Structural Health Monitoring (S-SHM)

MSG-3 Zonal-L/HIRF Analysis

- Predefined Major Zones
- Based on ATA iSpec 2200
- Logic for selecting the appropriate analysis
- Configurable Rating Systems
  - Standard Zonal Analysis
  - Enhanced Zonal Analysis
  - L/HIRF Analysis
- Zonal Analysis Tasks
  - General Visual Inspection (GVI)
  - Transfer "zonal candidate" tasks from other analyses
- Identify L/HIRF significant items (LHSIs) based on MSG3 Revision 2015 Vol 1 and Vol 2

Automated report generation

- Microsoft Word® or Microsoft Excel®
- Easy to modify, print, PDF and distribute
- Choice of predefined templates for MSI reports (Standard, Dassault and Sukhoi)
- Customisable report templates

Facilitating team effort

- Management of "Working Group Stamps"
- Option to store notes and status updates
- Option to flag portions of the analysis
- Link or attach other related files

Data management

- Import from Excel
- Cut/copy/paste or drag and drop
- Browse and import from existing analyses
- Find and reuse existing text descriptions

Reliability program integration

- Import data from Systems and Powerplant Analysis into XFMEA, RCM++

Available services

- Detailed user documentation
- Professional engineering services

For more MPC information visit: https://www.holisticam.com.au/reliasoft-mpc/

ReliaSoft