



Enhanced Airworthiness Program for Airplane Systems

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EAPAS Implementation Plan

The EAPAS is designed to enhance current airworthiness programs at operator facilities, repair stations, and manufacturing plants based on data-driven initiatives developed under the Aging Transport Non-Structural Systems Plan.



Enhancement Categories

The EAPAS implementation plan is organized into six major categories covering design, certification and maintenance of transport airplanes:

- Training
- Maintenance
- Design
- Research and Development
- Wire Reporting
- Information Sharing and Outreach



EAPAS Tasks

- Near-Term
 - Raise awareness about aging system issues
 - Enhancements/changes in training and maintenance programs
 - Tasks to be complete by late 2001
- Longer-Term
 - Institutionalize management of aging systems
 - Changes in inspections and Instructions for Continued Airworthiness
 - Changes to FARs for improvements in certification and maintenance
 - Tasks are planned to be complete by mid-2004



EAPAS Near-Term Actions

- Original equipment manufacturers (OEM) will distribute to operators a “lessons learned” document and including information about contamination.
- The FAA will communicate its EAPAS Implementation Plan to airworthiness authorities, industry, and public.

FAA is in process of sending letter to (over 2,000) OEMs, Operators, Modifiers, and Repair Stations.

On going. EAPAS is being presented through ARSRAC meetings and other technical working groups and meetings.



EAPAS Near-Term Actions

- The FAA will draft an EAPAS Advisory Circular (AC) for aging systems maintenance and training programs.
- AFS will propose the adoption of voluntary changes to operations specifications (OpSpecs) for aging systems maintenance and training programs. Issue handbook information bulletin to explain to principal inspectors (PI) the voluntary OpSpecs and proposed rule changes.

Advisory Circulars are presently in FAA coordination with legal counsel.

To coincide with the release of the draft Advisory Circular.



EAPAS Near-Term Actions

- The FAA will complete a wire systems training program for Engineers, Inspectors and Designees.
- The FAA will issue Notice of Proposed Rule (NPRM) Airworthiness Directives (AD) based on ATSRAC recommendations.
- - 80% of the FAA Systems and Propulsion engineer and 33% of inspectors have received the training.
- By October 2002 all FAA Sys. & Prop. engineers and inspectors will be trained.
- The information also have been added to some of the FAA courses.
- Information provided as Job Aid on internet.
- 23 AD's were identified. All final rules have been published.



EAPAS Near-Term Actions

- The FAA will publish a wire installation drawing policy letter.
- FAA will develop internal guidance and an AC for service difficulty reporting (SDR) rules.
- Review, analyze, and prepare recommendations in response to intrusive inspection conclusions and recommendations.

A memo identifying requirements for aircraft installation wiring has been published. A copy is now posted on the ATSRAC website.

Handbook information bulletin and advisory circular comments are currently being disposed. Release of SDR rule is January 16, 2003.

Review in progress. Final report will be presented to ATSRAC in October 2002.



EAPAS Longer-Term Actions

- Issue a Special Federal Aviation Regulation (SFAR) for development of an Enhanced Zonal Assessment Process (EZAP).
- Propose changes to update parts 91, 121, 125, and 129 of FAR to add aging systems to the maintenance program.
- Develop a Phase II part 121 Advisory Circular (AC) to define an aging systems maintenance and training program.
- Change part 25 of FAR.

A Rulemaking team has been formed. FAA is prepared to begin rulemaking process when ATSRAC reports are formally received.



EAPAS Status

- The EAPAS Near-Term actions are being accomplished.
- A rulemaking team has been formed and the process has been initiated.
- Mechanical Systems Study is underway.
- Small Transport Airplane Systems Study (ATSRAC Working Group #10) is aggressively underway.