



ATSRAC Lessons learned

Proposed methodology

- OEM's to review the findings collected during intrusive and non intrusive inspection and identify the top items of concern related to design/installation, maintenance practices deviation
- Design and propose fixes to operators for each identified significant items, associated repair procedure to be introduced in ATA 20
- Define and implement evolution of AIRBUS Technical Design Directives (if required) for future program
- Build-up continuous aging monitoring program for wiring of in-service A/C



ATSRAC *Lessons learned*

AIRBUS preliminary outcome

- **Need for better clamping of cable to avoid contact with structure of P-clips, sagging**
 - ⇒ **Repair solution to be defined by early 2001**
- **New method of cable attachment to be validated for new programs and to be introduced in WDM chapter 20.**
 - ⇒ **Decision early 2001**
- **Maintenance personnel training required to sensitize them on importance of proper maintenance on electrical system and use of adequate processes**
 - ⇒ **Electrical Installation Guidelines CD to be produced by end 2001 / early 2002.**



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Lessons learned

- **Improve the visual inspection techniques to better assess the condition of wiring**
- **Remind operators for embodiment of existing modifications and improvements of electrical installation**
 - ⇒ **To be covered by OIT / SIL**
- **Request operators to systematically report wiring issues**
 - ⇒ **To be covered by OIT / SIL**
- **Extend Electrical Aging Review on A310, A300-600 and Single Aisle Program**

ATSRAC - Flight Controls Dual Load Path

Status

- List of A300 Flight control dual load path components available
- Corresponding in service documents (SB's) reviewed and analysed to assess potential relationship with aging, validity, fleet embodiment status and compliance.
No concern, as all SB's embodied.
- Except surface protection defects, degradation of dual load path features not evidenced during shop investigations of sampled components
- AIRBUS INDUSTRIE will comply with Task 3 recommendations (MSG 3 logic analysis, additional sampling...).
- AIRBUS INDUSTRIE Review Report to be issued in Nov. 00