

Aging Systems Task Force

Report for Tasks 1 and 2 -

Non-Intrusive Inspection & Service History Review

ATSRAC Meeting, January 19, 2000

Randy Pope, Chairman, Aging Systems Task Force

ASTF Report

- Results - Non-Intrusive Inspections
 - Work Group - Airframer/FAA/Airlines
 - 82 A/C inspected (8 types)
 - Common reporting form for type/quantity of findings.
 - Agreed on three finding categories/action plans
 - Agreed on format for Working Group Summary Report (Sept. 99)
 - Eight W.G. summaries received

ASTF Report

The intent of the survey of a portion of the fleet using non-intrusive methods was to assess the overall condition of the fleet with regard to wiring, and to identify any airplane model-unique areas of concern.

ASTF Report

For the purposes of this report, and unless specified otherwise, the term wiring will be used to indicate the installation of wires, connectors, clamps, contacts, tie wraps, etc. The term wiring does not refer to individual electrical system components, conduits or circuit protective devices, examination of which is not within the scope of this program

ASTF Report

Findings - Categories and Action Plans

- 1) Airworthiness Issue - Initiate ATA Spec 111
(Airworthiness concern process -
FAA/ATA/Lead airline)
- 2) Significant Item - Airframer will initiate
action and/or investigation
- 3) Discrepancy - Fix by operator

ASTF Report

No immediate Airworthiness concerns reported.

ASTF Report

- Significant Item Definition
 - A defect, which may require design changes or notification for enhanced inspection, based on:
 - potential hazard (e.g. fire, bundle damage, essential system damage), or
 - Frequency of occurrence at a specific location

ASTF Report

Findings Summary

A/C Type	DC8	DC9	DC10	727	737	747	A300	L1011
No. of A/C Inspected	14	15	14	9	9	7	10	3
Airworthiness	0	0	0	0	0	0	0	0
Significant Items	10	10	62	32	0	3	5	22
Total Items	974	116	714	276	237	238	422	247

ASTF REPORT

Findings Summary - continued

A/C Type	DC8	DC9	DC10	727	737	747	A300	L1011
Inspection By:	Insp	Mech	Mech	Mech	Insp	WG	OEM Eng'r	WG or Mech
Inspection Location:	hmv	hmv	hmv	hmv	hmv	hmv	hmv or p-f	retired or hmv
Possible S/B Upgrades*	5	10	4	30	56	not avai	3	46

ASTF Report

- Future Activities
 - Ad Review
 - Coordinate with OEMs for Significant items and possible SB upgrades
 - Improve consistency in working group reports
 - Encourage Spec. 117 use