

Docket No. SA-530

Exhibit No. 8 - I

NATIONAL TRANSPORTATION SAFETY BOARD

Washington, D.C.

FAA White Paper

Non-Required Safety Enhancing Equipment (NORSEE)

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Non-Required Safety Enhancing Equipment (NORSEE)

Purpose of NORSEE Advisory Circular (AC) Certification Guidance Material:

- Will provide standardized guidance for certifying the installation of NORSEE
- NORSEE AC to be issued in FY-09
- AC will scope the certification requirements for NORSEE, including environmental, ground and flight testing

What is Non-Required Safety Enhancing Equipment?

- Equipment that is added to the aircraft for the sole purpose of enhancing the operational safety of the aircraft and is NOT required by the current certification or operational regulations
- It does not include enhancements to required equipment

Examples of NORSEE:

- Cockpit Video Recorders, HTAWS, Weather, Aircraft Tracking Recorders

Two categories of NORSEE.

- 1. No Hazard
 - o Equipment malfunction poses no hazard to the aircraft, crew or passengers
- 2. Potentially hazardous misleading information
 - o Equipment which provides information and is used by the crew to make decisions
 - System safety assessment process identifies the functional failure conditions for the misleading hazards
 - Design assurance levels needs to be commensurate with the misleading hazard classification