

AGING TRANSPORT SYSTEMS RULEMAKING ADVISORY COMMITTEE

**OFFICE OF THE CHAIRMAN
KENT V. HOLLINGER
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January 21, 2005

Mr. Nicholas A. Sabatini
Associate Administrator
Regulation and Certification AVR-1
Federal Aviation Administration
Room 1000 West
800 Independence Ave. SW
Washington, DC 20591

Dear Mr. Sabatini:

At our January 2005 meeting, the Aging Transport Systems Rulemaking Advisory Committee (ATSRAC) Harmonization Working Group #12 (HWG#12) presented its review of the FAA report titled *Effects of Related and Unrelated Maintenance on the Integrity of Aircraft Electrical Interconnect Systems (EWIS)* dated 28 November 2003, and compared this information with data from previous ATSRAC research, such as the Intrusive Inspection Final Report dated December 29, 2000. The Committee voted unanimously to make the following recommendations in line with previous ATSRAC recommendations:

1. Training:
All personnel performing maintenance to EWIS should have received recurrent training as recommended in draft Advisory Circular 120-YY. Training should also be given to personnel who perform maintenance in the vicinity of the EWIS. (It is recognized that this is in conflict with the HWG#11 Final Report, but HWG#12 firmly believes that this training is essential). Training records should be kept.
2. Testing:
FAA should support the development of portable electrical test equipment that could facilitate the identification and location of areas of compromised electrical wiring on the aircraft.
3. Components:
FAA should support development of an improved shield terminator to better seal the shield/pigtail interface. ATSRAC should write a letter to SAE stating that: prior to such development, provide limitations on the application of environmental sealing capabilities of existing shield terminating devices in industry standards documentation (see handout).

Thank you for your consideration of these recommendations.

Sincerely,

Kent V. Hollinger
ATSRAC Chairman

Cc: James Ballough
Brenda Courtney

John Hickey
Charles Huber