



# Federal Aviation Administration

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## Memorandum

Date: FEB 23 2011

To: See Distribution List

From: ~~FOR~~ David W. Hempe, Manager, Aircraft Engineering Division, AIR-100 *SymCahler*

Prepared by: Rich Jennings, Avionic Systems Branch, AIR-130

Subject: Use of paragraph (d) of the High-intensity Radiated Fields (HIRF) Protection Regulations for Aircraft Electrical and Electronic Systems starting December 1, 2012

Reference: Title 14, Code of Federal Regulations (14 CFR) §§ 23.1308, 25.1317, 27.1317, and 29.1317, High-intensity Radiated Fields (HIRF) Protection

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Paragraph (d) of the referenced regulations (sometimes referred to as the “reuse” provision) allows an applicant, prior to December 1, 2012, to comply with previously issued HIRF special conditions for qualifying electrical/electronic equipment that performs critical functions, as opposed to the full testing required by paragraph (a) of the regulations. Recently AIR-100 was asked if the December 1, 2012 date refers to the date of application for a Supplemental Type Certificate (STC) project, or the date of the issuance of the STC.

### AIR-100 Position

To take advantage of the provisions of paragraph (d), the certificate (e.g., STC) must be signed and issued no later than November 30, 2012. STC's that have been issued on or before November 30, 2012, and that have paragraph (d) as part of their certification basis, remain valid after this date.

### What does this mean to me?

ACO engineers and project managers should make their applicants aware of this policy, and encourage them to submit their project applications early if they plan to apply the relief provided by paragraph (d) of the HIRF regulations. When planning, applicants should also factor in time for delays due to project sequencing.

For questions regarding this memorandum, contact Lee Nguyen of the Avionics Systems Branch, AIR-130, at (202) 385-4676.

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