AEROSPACE INFORMATION REPORT

AIR5279™	REV. A

Issued 1999-03
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Cancelled 2023-10

Superseded by AIR4938, AIR6825, AIR7491

Composite and Bonded Structure Inspector:
Training Document

RATIONALE

This content has been completely superseded by AIR4938, AIR6825, and AIR7491.

CANCELLATION NOTICE

This technical report has been declared “CANCELLED” as of October 2023 and has been superseded by AIR4938, AIR6825, and AIR7491. By this action, this document will remain listed in the respective index, if applicable. Cancelled technical reports are available from SAE.

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1. SCOPE:

This document provides recommendations concerning the minimum knowledge and skill guidelines for a composite and metal bond repair inspector.

Teaching levels have been assigned to this curriculum to define the knowledge, skills and abilities needed to inspect repairs. Minimum hours of instruction have been provided to ensure adequate lecture and laboratory coverage of all subject matter. These minimums may be exceeded, and may include an increase in the total number of training hours and/or increases in the teaching levels.

2. APPLICABLE DOCUMENTS:

The following publications form a part of this document to the extent specified herein. The latest issue of SAE publications shall apply. The applicable issue of other publications shall be the issue in effect on the date of the purchase order. In the event of conflict between the text of this document and references cited herein, the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

2.1 U.S. Government Printing Office Publications:

Available from Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402.

U.S. Code of Federal Registry 14, Part 147 (US FAA FAR) Scope

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3. STUDENT PREREQUISITES:

   Student success will be in part based on the knowledge and skills possessed or developed in the following disciplines:

   Basic technical mathematics
   Fundamentals of engineering and technical drawings
   General shop and hand tool usage
   Use of precision measurement tools
   Basic physics
   Aircraft familiarization

   The above listed disciplines are prerequisites, and may be learned prior to or in conjunction with the training outlined in this section. Evaluation of prior education can be accomplished by examination of school transcripts, or by review of the training received through aircraft apprenticeship, aircraft maintenance certification, or tests administered by the Approved Training Provider.

4. EXAMINATIONS:

   Training Providers will be required to monitor student performance throughout the program. Students will be administered written exams in lecture classes and shall perform inspection tasks. The minimum passing grade for all tests shall be 70% and all grades shall be recorded in the individual's training records.

   The final examination(s) will cover basic principles of composite and bonded metal repair inspection, including inspection tasks.

5. TEACHING LEVELS:

   The following definitions of minimum teaching levels are derived from 14 CFR Part 147 and may be exceeded.

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