

NDT Facilities Review

FAA Academy

Presented to: 2019 A4A NDT Forum

By: Ken Working

Date: September 2019



Federal Aviation
Administration



NDT Review

- **NDT Observations**
- **Update FAA Guidance**
- **Update Advisory Circular**
- **FAA Academy Courses**

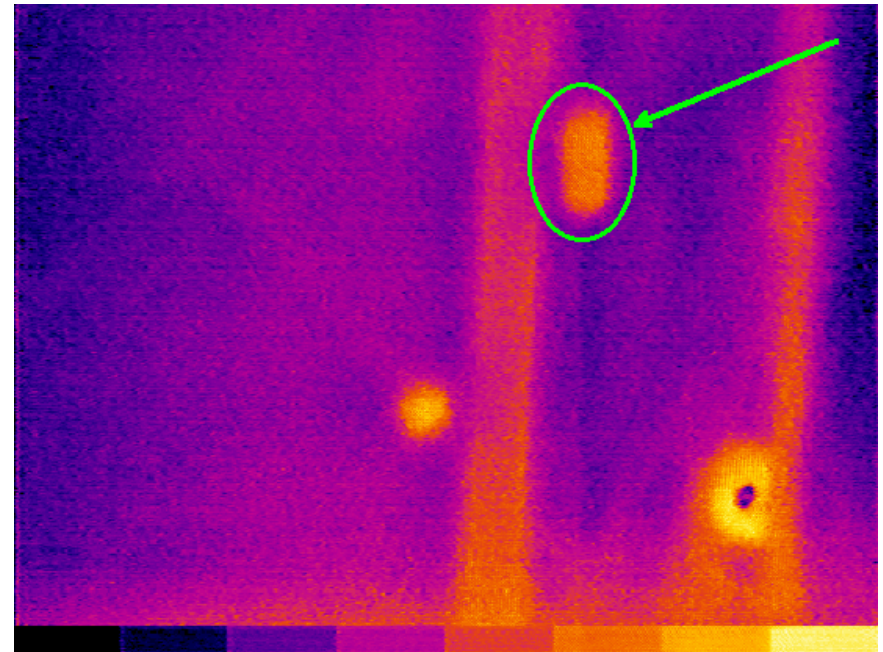
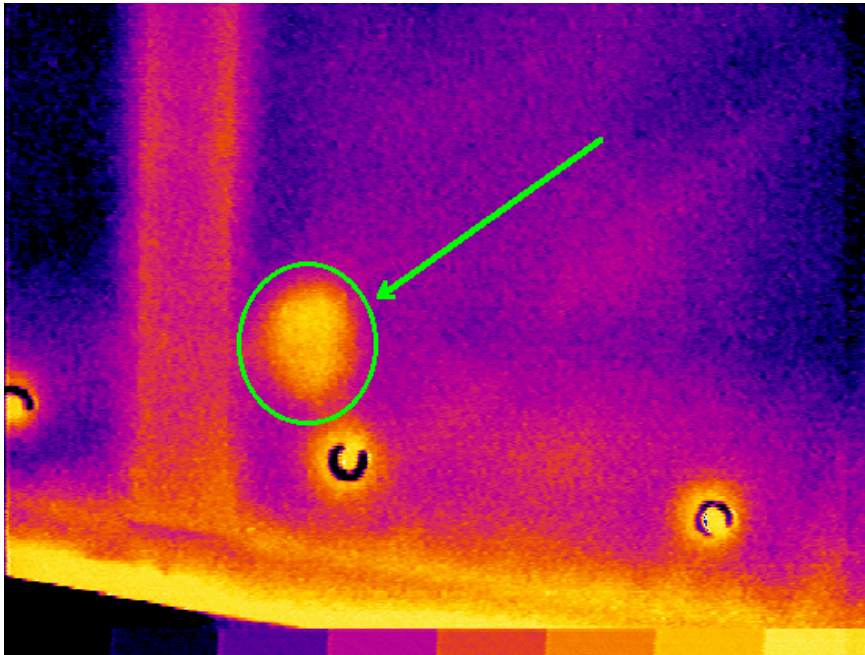


NDT Observations

- **Flight Control-Following Procedures**
- **Mixing FPI**
- **Personnel Qualifications**
- **Equipment Calibration**
- **Third party audit / vendors**
- **Common ASI Questions**



NDT Observations



SPECIAL AIRWORTHINESS INFORMATION BULLETIN CE-18-26 Sep 2018



- **Liquid Penetrant Inspection- AD 82-27-01**
- **Ref. Policy Memo PS-ANE100-2000-00010**
- **AMS 2644**



Personnel Qualification

- Legal Interpretation
- FAA Memo Jun 15
- Current vs. proficiency



**Federal Aviation
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Memorandum

Date: JUN 15 2007

To: All Manufacturing Inspection Office Managers
All Manufacturing Inspection District/Satellite Offices
All Flight Standards District Offices

From: Frank P. Paskiewicz, Manager, Production and Airworthiness Division, AIR-200
David E. Cann, Manager, Aircraft Maintenance Division, AFS-300

Prepared by: Angelia Collier, AIR-220

Subject: INFORMATION: Qualification Standards for Nondestructive Testing

This memo contains information only and as such is not national policy. Questions have been raised by FAA Aviation Safety Inspectors on how to determine if qualified personnel are performing Nondestructive Testing (NDT). AIR-200, AFS-300, the National Resource Specialist for Nondestructive Testing and the Chief Scientific and Technical Advisor for Nondestructive Evaluation, have compiled this information to assist FAA Inspectors in determining that only qualified personnel perform NDT. This memorandum supersedes previous NDT qualification standards memorandum dated June 13, 2007.

In the United States there is no national certification requirement or standard for aviation NDT personnel to determine that individuals are qualified to perform NDT. However, there are several current national and international standards acceptable to the FAA that may be used to determine that only qualified personnel perform NDT. For example:

MIL-STD-410E, Military Standard, Nondestructive Testing Personnel Qualification and Certification. This document has been rescinded by the Department of Defense, but is still considered acceptable to the FAA.

ATA Specification 105, Air Transport Association, Guidelines for Training and Qualifying Personnel in Nondestructive Testing Methods.

AIA-NAS-410, Aerospace Industries Association, National Aerospace Standard-410 Certification & Qualification of Nondestructive Test Personnel. This document has superseded MIL-STD-410E.



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FAA Academy Courses

- **Nondestructive Inspection and Evaluation**
- **Contract Maintenance**
- **145 Repair Station**
- **CASS**



NDI Guidance and Advisory Circular Update

- **AC 65-31B**
- **8900.1 Vol 6. Chap. 11, Sec. 27**
- **3 yr review cycle**
- **AFS-370**



FAA Guidance and Advisory Circular Update

- **NOTICE - N 8900.516 CAMP Guidance Policy**
 - New Volume 20, (11 chapters 10 elements of CAMP + ETOPS)
- **AC 120-16**
 - Air Carrier Maintenance Programs
- **AC 120-106**
 - Scope and Recommended Content for a Contractual Agreement Between an Air Carrier and a Maintenance Provider



Any Questions

