



**Alfred L. Broz, Ph.D.**  
**Chief Scientist**  
**Technical Advisor**  
**NonDestructive Evaluation (NDE)**

FAA ANE 105N

Tel: (781) 238-7105

12 New England Executive Park

Fax: (781) 238-7199

Burlington, MA 01803-5213

**Federal Aviation Administration**

Internet: [Alfred.L.Broz@faa.gov](mailto:Alfred.L.Broz@faa.gov)



# Qualified Personnel





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Qualified personnel are required for reliable performance of nondestructive testing.

Both the performance of tests and the interpretation of results require skill and must be accomplished by trained personnel.

They must know the applications and limitations of the various nondestructive testing methods to locate defects in aircraft structure and components.

# Qualification Standards

## Memorandum From

- Manager, Production and Airworthiness Certification Division, AIR-200
- Manager, Aircraft Maintenance Division, AFS-300

# Recognized U. S. Standards

- **MIL-STD-410E: Military Standard, Nondestructive Testing Personnel Qualification and Certification**
- **ATA Spec 105: Air Transport Association, guidelines for Training and Qualifying Personnel in Nondestructive Testing Methods**

# **Recognized U. S. Standards (Cont.)**

- **AIA-NAS-410: Aerospace Industries Association, National Aerospace Standard, NAS Certification & Qualification of Nondestructive Test Personnel**

# Generic Elements of Standards

- **Visual Examination**
- **Levels of Qualification**
- **Training**
- **Testing**
- **Experience**
- **Disqualification**
- **Documentation**

# Visual Examinations

- **Near Distance**
- **Color**
- **Document**



# Levels

- Documented
- Trainee, Limited, 1, 2, 3



# Training

- **Mix**
  - OJT
  - Classroom
  - Practical
- **Documented**
  - Initial
  - Recurrent

# Testing

- Documented
- Demonstrated Proficiency

# Experience

- Documented
- Use it or Lose it!

# **Disqualification**



# **Documentation**

**Only qualified personnel  
perform NDI**