

AMTAS Education Workshop


March 20, 2008



History

- ▶ Industry standards created through workshops: Maintenance Safety Issues Awareness
- ▶ Result: Awareness Curriculum
 - 2007 – Standard prerequisite – Achieves common level of understanding
 - 2007 – Maintenance Safety – Addresses all audiences
 - 2008 – Customizing course for FAA inspectors
 - Retains Awareness – Adds regulatory issues
 - Adds skill building – Inspector checklist

Future education alternatives

- ▶ Awareness versus skill-building
 - ▶ Audience
 - Engineers, technicians, inspectors
 - Administration and management
 - Other
 - ▶ Format
 - Online, laboratory, classroom, CD tutorial
 - ▶ Development Process
 - Industry consensus through workshops
 - Institutional development
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Education Alternatives

Audience	Awareness/Skill-building (A or S)	Format
Example 1: Practitioners (Phase IV)	A: Maintenance Safety Issues	On-line/Lab (3-day)
Example 2: FAA Inspectors (Phase V)	A: Maintenance Fundamentals A: Regulations S: Checklist job aid	6-Classroom integrated with laboratory
Bonded Structures	S: Engineering analysis & design	On-line Class w/ optional lab
Practitioners	A: Maintenance Overview	On-site at client if demand is warranted

Education Alternatives

Audience	Awareness/Skill-building (A or S)	Format
Engineers/Other	A: Latest maintenance R&D/developments	Online or classroom
Practitioners	A: Aging aircraft and fatigue implications	Online or classroom
Technicians/Engineers/Inspectors/quality engineers/floor practitioners	S: Source documentation/specifications/certification	All formats, but include re-certification for skill-building

Education Issues

- ▶ Certification should be considered, in addition to re-certification
 - ▶ Need to focus on outreach to audience: “How does the audience know what exists?”
 - ▶ Education needs to be accessible to audience
 - Classrooms at local colleges
 - Teaching teams at user-companies/user-groups
 - Online course teaching, with laboratory if appropriate
 - ▶ Agreement in discussion of the need for bonded structures training
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