Andrew P. Svendsen
Instructor, 2A733 Blocks 1-4
361 TRS, Detachment 2
NAS Pensacola, Florida
DSN 922-7484
FAX 922-7476
(850) 452-7484

E-Mail Andrew.Svendsen@Tyndall.Af.Mil
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<td>USAF Technical Training NAS Pensacola Florida</td>
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<td>Air Education and Training Command, 361 Training Squadron (361 TRS), Detachment 2, NAS Pensacola, FL, 32508</td>
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<th>13. SUPPLEMENTARY NOTES</th>
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<td>Presented at the 2011 Air Force Corrosion Conference held 16-18 Aug 2011 at Robins AFB, GA.</td>
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OVERVIEW

- 2A733 Aircraft Structural Maintenance (ASM) Apprentice Course
- 2A735 Low Observable (LO) ASM Apprentice Course
- Supplemental Courses
TECHNICAL TRAINING

TPR
(Trained Personnel Requirements)

- 2A733 Apprentice Course 2011 TPR = 482
- 2A735 Apprentice Course 2011 TPR = 182
- Supplemental Courses 2011 TPR = 325
ASM Apprentice Course
JCABP2A733 048C
8 Blocks – 76 Days – 608 Hours
ASM Block 1 - Fundamentals of ASM
62.5 Hours

- Federal Hazardous Communication Program
- AFOSH – OPSEC – Air Force Basic Doctrine
- Aircraft Construction Features
- Metal Identification/Characteristics
- Metal Layout
- Non-powered cutting
- Sharp Bends
ASM Block 2 - Fabrication of Aircraft Parts
64 Hours

- Setback and Bend Allowance
- Radius Bends
- Hand and Machine Forming
TECHNICAL TRAINING

ASM Block 3 - Preparation for Structural Assy

84 Hours

• Power Cutting
• Rivet Identification and Rivet Pattern Layout
• Pneumatic Drilling, Countersinking, and Dimpling
ASM Block 4 – Research and Repair
66 Hours

- Technical Orders and Aircraft Documentation
- Classification of Damage and Stop Drilling Cracks
- Hazardous Material Storage and Shelf Life Program
- Corrosion Concepts, Prevention, and Removal
- Aircraft Tubing and Cable Assemblies
ASM Block 5 – Aircraft Structural Repair
64 Hours

- Pneumatic Riveting
- Non-flush Repair
- Sealed Repair
- Flanged Hole Repair
ASM Block 6 – Special Assemblies
76 Hours

• Combination Repair
• Access Door/Access Panel
• Flush repair
• Trimming/Fitting Aircraft Skins
• Nutplates and Special Fasteners
• Blind Rivets
ASM Block 7 – Composite Repairs
100 Hours

- Fiberglass Repairs
- Bonded Honeycomb Repairs
- Vacuum Bagging and Hot Bonder
- Introduction to Advanced Composites
- Advanced Composite Repairs
ASM Block 8 – Corrosion Control
92.5 Hours

- Coating Application
- Methods of Coating Removal
- PMB Booth/Cabinet
- Application of Primer /Coating
TECHNICAL TRAINING

Develop America's Airmen Today --- for Tomorrow

LOASM Apprentice Course
JCABP2A735 048A
8 Blocks – 76 Days – 608 Hours
Blocks similar to 2A733 course.

- Block 1 (61.5 hours) – Same as 2A733
- Block 2 (41 hours) – No hand forming
- Block 3 (77 hours) – No dimpling
- Block 5 (55 Hours) – No flanged hole repair
LO Block 4 – T.O.’s, Documentation, Damage Classification & Tubing

42 Hours

- Technical Orders and Aircraft Documentation (same as ASM)
- Classification of Damage and Stop Drilling Cracks (same as ASM)
- Aircraft Tubing Assemblies (no cable)
- Blind Rivets
- Nut Plates and High Stress Fasteners
LO Block 6 – Composite Repairs
87 Hours

- Fiberglass Repairs
- Bonded Honeycomb Repairs (no metal bond)
- Vacuum Bag and Hot Bonder
- Introduction to Advanced Composites
- Advanced Composite Repairs
LO Block 7 – Corrosion Control
94 Hours

- Hazardous Materials and Shelf Life
- Corrosion Theory/Prevention/Removal
- Coating Application/Removal
- Application of Primer/Coatings
- PMB Booth/Cabinet
LO Block 8 – Low Observables
130.5 Hours

- Fundamentals
- Theory and Materials
- Removal/Application Process
- Racetracking
- Paint Stack-up Application
- Coating Removal
- Filler and RAM Application
- Fill and Fair Method
Supplemental Courses

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<th>Course</th>
<th>Length</th>
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<td>Corrosion Prevention Control – <em>MTT Only</em></td>
<td>3 Days</td>
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<tr>
<td>Aircraft Balancing and Fasteners</td>
<td>6 Days</td>
<td>69</td>
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<td>Aircraft Metal Bonded Repair</td>
<td>12 Days</td>
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<tr>
<td>General Advanced Composites</td>
<td>16 Days</td>
<td>146</td>
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<tr>
<td>Basic Repairs to Advanced Composites – <em>MTT Only</em></td>
<td>7 Days</td>
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Questions?

E-Mail Andrew.Svendsen@tyndall.af.mil