



USAF TECHNICAL TRAINING NAS Pensacola Florida



Develop America's Airmen Today --- for Tomorrow

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

<https://afkm.wpafb.af.mil/ASPs/CoP/OpenCoP.asp?Filter=AE-ED-00-23>

A Legacy of Excellence Guiding 21st Century Airmen

Report Documentation Page				Form Approved OMB No. 0704-0188	
Public reporting burden for the collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to a penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.					
1. REPORT DATE AUG 2011		2. REPORT TYPE		3. DATES COVERED 00-00-2011 to 00-00-2011	
4. TITLE AND SUBTITLE USAF Technical Training NAS Pensacola Florida				5a. CONTRACT NUMBER	
				5b. GRANT NUMBER	
				5c. PROGRAM ELEMENT NUMBER	
6. AUTHOR(S)				5d. PROJECT NUMBER	
				5e. TASK NUMBER	
				5f. WORK UNIT NUMBER	
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) Air Education and Training Command,361 Training Squadron (361 TRS), Detachment 2,NAS Pensacola,FL,32508				8. PERFORMING ORGANIZATION REPORT NUMBER	
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)				10. SPONSOR/MONITOR'S ACRONYM(S)	
				11. SPONSOR/MONITOR'S REPORT NUMBER(S)	
12. DISTRIBUTION/AVAILABILITY STATEMENT Approved for public release; distribution unlimited					
13. SUPPLEMENTARY NOTES Presented at the 2011 Air Force Corrosion Conference held 16-18 Aug 2011 at Robins AFB, GA.					
14. ABSTRACT					
15. SUBJECT TERMS					
16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT Same as Report (SAR)	18. NUMBER OF PAGES 20	19a. NAME OF RESPONSIBLE PERSON
a. REPORT unclassified	b. ABSTRACT unclassified	c. THIS PAGE unclassified			



TECHNICAL TRAINING



Develop America's Airmen Today --- for Tomorrow

OVERVIEW

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

A Legacy of Excellence Guiding 21st Century Airmen



TECHNICAL TRAINING



Develop America's Airmen Today --- for Tomorrow

TPR

(Trained Personnel Requirements)

- ❖ **2A733 Apprentice Course 2011 TPR = 482**
- ❖ **2A735 Apprentice Course 2011 TPR = 182**
- ❖ **Supplemental Courses 2011 TPR = 325**

A Legacy of Excellence Guiding 21st Century Airmen



TECHNICAL TRAINING



Develop America's Airmen Today --- for Tomorrow

ASM Apprentice Course

JCABP2A733 048C

8 Blocks – 76 Days – 608 Hours

A Legacy of Excellence Guiding 21st Century Airmen



TECHNICAL TRAINING



Develop America's Airmen Today --- for Tomorrow

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



A Legacy of Excellence Guiding 21st Century Airmen



TECHNICAL TRAINING



Develop America's Airmen Today --- for Tomorrow

ASM Block 2 - Fabrication of Aircraft Parts

64 Hours

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



A Legacy of Excellence Guiding 21st Century Airmen



TECHNICAL TRAINING



Develop America's Airmen Today --- for Tomorrow

ASM Block 3 - Preparation for Structural Assy

84 Hours

- Power Cutting
- Rivet Identification and Rivet Pattern Layout
- Pneumatic Drilling, Countersinking, and Dimpling

A Legacy of Excellence Guiding 21st Century Airmen



TECHNICAL TRAINING



Develop America's Airmen Today --- for Tomorrow

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

A Legacy of Excellence Guiding 21st Century Airmen



TECHNICAL TRAINING



Develop America's Airmen Today --- for Tomorrow

ASM Block 5 – Aircraft Structural Repair

64 Hours

- Pneumatic Riveting
- Non-flush Repair
- Sealed Repair
- Flanged Hole Repair

A Legacy of Excellence Guiding 21st Century Airmen



TECHNICAL TRAINING



Develop America's Airmen Today --- for Tomorrow

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



A Legacy of Excellence Guiding 21st Century Airmen



TECHNICAL TRAINING



Develop America's Airmen Today --- for Tomorrow

ASM Block 7 – Composite Repairs

100 Hours

- Fiberglass Repairs
- Bonded Honeycomb Repairs
- Vacuum Bagging and Hot Bonder
- Introduction to Advanced Composites
- Advanced Composite Repairs



A Legacy of Excellence Guiding 21st Century Airmen



TECHNICAL TRAINING



Develop America's Airmen Today --- for Tomorrow

ASM Block 8 – Corrosion Control

92.5 Hours

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



A Legacy of Excellence Guiding 21st Century Airmen



TECHNICAL TRAINING



Develop America's Airmen Today --- for Tomorrow

LOASM Apprentice Course

JCABP2A735 048A

8 Blocks – 76 Days – 608 Hours

A Legacy of Excellence Guiding 21st Century Airmen



TECHNICAL TRAINING



Develop America's Airmen Today --- for Tomorrow

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



TECHNICAL TRAINING



Develop America's Airmen Today --- for Tomorrow

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

A Legacy of Excellence Guiding 21st Century Airmen



TECHNICAL TRAINING



Develop America's Airmen Today --- for Tomorrow

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



TECHNICAL TRAINING



Develop America's Airmen Today --- for Tomorrow

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



A Legacy of Excellence Guiding 21st Century Airmen



TECHNICAL TRAINING



Develop America's Airmen Today --- for Tomorrow

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



A Legacy of Excellence Guiding 21st Century Airmen



TECHNICAL TRAINING



Develop America's Airmen Today --- for Tomorrow

Supplemental Courses

Course	Length	2011 TPR
Corrosion Prevention Control – <i>MTT Only</i>	3 Days	1
Aircraft Balancing and Fasteners	6 Days	69
Aircraft Metal Bonded Repair	12 Days	97
General Advanced Composites	16 Days	146
Basic Repairs to Advanced Composites – <i>MTT Only</i>	7 Days	12

A Legacy of Excellence Guiding 21st Century Airmen



TECHNICAL TRAINING



Develop America's Airmen Today --- for Tomorrow

Questions?

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

361 TRS/Det 2 CoP: <https://afkm.wpafb.af.mil/ASPs/CoP/OpenCoP.asp?Filter=AE-ED-00-23>

A Legacy of Excellence Guiding 21st Century Airmen