



# TECHNICAL TRAINING



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# TECHNICAL TRAINING



## OVERVIEW

- **2A7X3 Basic Course**
- **2A7X5 Basic Course**
- **Supplemental Courses**



# TPR



- **2A7X3 Basic Course 2009 TPR = 492**
- **2A7X5 Basic Course 2009 TPR = 36**
- **Supplemental Course TPR = 351**



# TECHNICAL TRAINING BASIC COURSE (3-level)



76 Days 608 hrs

## Block 1 Fundamentals of Aircraft Structural Maintenance (62.5 Hours)

- Federal Hazardous Communication Program
- AFOSH, OPSEC, Air Force Basic Doctrine
- Aircraft Construction features
- Metal Identification and Characteristics
- Metal Layout
- Non-powered Cutting
- Sharp Bends



# TECHNICAL TRAINING

## BASIC COURSE (3-level)

### Block 2 Fabrication of Aircraft parts (64 Hours)

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



# TECHNICAL TRAINING BASIC COURSE (3-level)



## Block 3 Preparation for Structural Assembly (83 Hours)

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



# TECHNICAL TRAINING

## BASIC COURSE (3 level)

### Block 4 (66 Hours)



- Technical Orders
- Documentation
- Classification of Damage and Stop Drilling Cracks
- Aircraft Tubing & Cable Assemblies
- Nut-plates and High Stress Fasteners



# TECHNICAL TRAINING



## BASIC COURSE (3-level)

### Block 5 (64 Hours)

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



# TECHNICAL TRAINING

## BASIC COURSE (3-level)

### Block 6 Special Assemblies (76 Hours)



- **Combination Repair**
- **Access Door and Access Panel**
- **Blind Rivets**
- **Flush Repair**
- **Trimming and Fitting Aircraft Skins**



# TECHNICAL TRAINING

## BASIC COURSE (3 level)

### Block 7 Composite Repairs (100 Hours)



- **Fiberglass Repairs**
- **Bonded Honeycomb Repairs**
- **Intro to Advanced Composites**
- **Vacuum Bag and Hot Bonder**
- **Advanced Composite Repairs**



# **TECHNICAL TRAINING**

## **BASIC COURSE (3- LEVEL)**

### **Block 8**

### **Corrosion Control (92.5 Hours)**

- **Hazardous Materials, Shelf Life Program**
- **Corrosion Prevention and Removal**
- **Coating Application**
- **Removal of Coatings**
- **Application of Primer and Coatings to AGE**
- **PMB Booth and Cabinet**



# TECHNICAL TRAINING

## 2A7X5 Low Observable Course

- **76 Days (608 Hours)**
- **Similar curriculum to the 2A7X3 Course in Blocks I through V**
- **Block VI Composite Repairs (89 hrs)**
- **Block VII Corrosion Control (91 hrs)**
- **Block VIII Fundamentals of LO (122.5 hrs)**



# TECHNICAL TRAINING



## TPR

## SUPPLEMENTAL COURSES

- 13 - Corrosion Prevention and Control – *MTT Only* (3 days)
- 60 - Aircraft Balancing and Fasteners (6 days)
- 70 - Aircraft Metal Bonded Repair (12 days)
- 160 - General Advanced Composite Repair (16 days)
- 48 - Basic Repairs to Advanced Composites - *MTT* (7 days)



# TECHNICAL TRAINING



- 2A7X3 BASIC COURSE
- 2A7X5 BASIC COURSE
- SUPPLEMENTAL COURSES



**TECHNICAL TRAINING**



**361 TRS Det 2**

**[https://afkm.wpafb.af.mil/ASPs/CoP/OpenCoP.asp?  
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