

**SOFTWARE VERSION DESCRIPTION**  
**FOR VERSION 4.11J**  
**OF THE**  
**JOINT PRIMARY AIRCRAFT TRAINING SYSTEM**  
**GROUND BASED TRAINING SYSTEM**  
**T-6A FLIGHT TRAINING DEVICES**

**Contract #: FA8621-15-D-6258**  
**Task Order #: FA8617-17-F-6230**



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## **1 Scope**

### **1.1 Identification**

This document is applicable to software version 4.11J for the Joint Primary Aircraft Training System (JPATS) Ground Based Training System (GBTS) T-6A Flight Training Devices (FTD). Personnel responsible for the Contractor Logistic Support (CLS) of the JPATS GBTS components are the intended recipients of this document.

### **1.2 System Overview**

The purpose of the JPATS GBTS is to train pilots in the operation of the T-6A aircraft. The FTD provide the capability to train pilots in a simulated aircraft environment. There are three types of FTD: the Instrument Flight Trainer (IFT), Operational Flight Trainer (OFT), and Unit Training Device (UTD). All three types of FTD have five common computational systems: Host, Instructor Operator Station (IOS), Aural Cueing System (ACS), Flight Deck Input – Output (FDIO), and Electronic Control Loading System (ECLS). The FTD are designed and manufactured by FlightSafety Simulation Systems in Broken Arrow, Oklahoma. Current locations of the JPATS GBTS are Columbus Air Force Base (AFB), Laughlin AFB, Naval Air Station (NAS) Pensacola, Randolph AFB, Sheppard AFB, and Vance AFB.

The JPATS GBTS Training System Support Center (TSSC), located at Randolph AFB in Texas, provides organic configuration management and system modification capabilities in support of the JPATS GBTS.

### **1.3 Document Overview**

The purpose of this document is to provide a description of software version 4.11J for the JPATS GBTS FTD produced by the JPATS GBTS TSSC.

## **2 Referenced Documents**

MIL-STD-498	Software Development and Documentation 5 December 1994	PDF Version
JPATS GBTS CMP	Configuration Management Plan for the JPATS GBTS 8 August 2000	Revision D

## **3 Version Description**

### **3.1 Inventory of Materials Released**

The released material consists of a compact disk labeled T-6A FTD Software V4.11J. The applications and data on this CD are intended for installation on the FTD. The configuration item number for the FTD software is 133-021. The instructions for installing this software assume the operating system software is installed.

## **3.2 Inventory of Software Contents**

### **3.2.1 Aural Cueing System software**

update_ACS.bat	10/07/2011
update.exe	08/24/2011
6633amp.cal	04/11/2011
amp.cal	02/10/2010
simcomm_A_tas.ini	08/02/2010
SimSound.exe	05/23/2011
ACS Software Installation.doc	11/21/2011

### **3.2.2 Auto Test Data**

Auto Test Data Installation.doc	06/15/2016
JPATS_ATG_DATA-20160201.zip	02/01/2016

### **3.2.3 GeoChart Editor**

GeoChart Installer.exe	01/14/2016
GeoChartEditorUsersGuide.pdf	01/14/2016
Release Notes.txt	01/12/2016

### **3.2.4 Host software**

HOST Software Installation.doc	07/06/2018
JPATS_HOST_20180629.zip	06/29/2018

### **3.2.5 Instructor Operator Station software**

IOS Software Installation.doc	07/06/2018
data1.cab	07/06/2018
data1.hdr	07/06/2018
data2.cab	07/06/2018
engine32.cab	08/05/2002
layout.bin	07/06/2018
setup.bmp	01/10/2001
setup.boot	07/06/2018
Setup.exe	08/05/2002
Setup.ini	07/06/2018
Setup.inx	07/06/2018

### **3.3 Changes Installed**

- Corrected GeoChart Airfield dropdown menu sorting error (15-042A)
- Added fire warning malfunction with erratic engine behavior (15-140A)
- Added hot start malfunction with battery bus warning (15-175A)
- Changed GeoChart border from white to black (17-044)
- Performed routine NAVAID update (18-021A)
- Incorporated sortie data base version 4.11 dated 06/28/2018 into the IOS (18-022A)
- Removed demonstration files and their sortie file reference

### **3.4 Adaptation Data**

This document applies to all T-6A FTD with the Joystick & PCL modification (ECP 001)

### **3.5 Related Documents**

Instructor's Positional Handbook for the JPATS GBTS FTD, Version 4.11J.

### **3.6 Installation Instructions**

Instructions for the installation of the above software are included on the CD. If additional assistance is required, contact the JPATS GBTS TSSC Software Engineer at (210) 652-1251 or DSN 487-1251.

### **3.7 Possible Problems and Known Errors**

Several of the ATG tests no longer pass after the joystick source merger. Additional details concerning the JPATS FTD software can be found in the Magic Service Desk web application and in the TSSC Prioritized Tasks report.

## **4 Notes**

For further assistance, contact the TSSC Manager at (210) 652-1105 or DSN 487-1105.