

SOFTWARE VERSION DESCRIPTION
FOR VERSION 5.02
OF THE
JOINT PRIMARY AIRCRAFT TRAINING SYSTEM
GROUND BASED TRAINING SYSTEM
T-6A FLIGHT TRAINING DEVICES

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1 Scope

1.1 Identification

This document is applicable to software version 5.02 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 were 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. The TSSC provides configuration management for the software described herein.

1.3 Document Overview

The purpose of this document is to provide a description of software version 5.02 for the JPATS GBTS FTD produced by the JPATS GBTS TSSC.

2 Referenced Documents

MIL-STD-498	Software Development and Documentation 5 December 1994 (Superseded by IEEE/EIA 12207, 27 May 1998)	PDF Version
Contract Deliverable	Supplier's Configuration Management Plan 2 November 2018	Revision 1

3 Version Description

3.1 Inventory of Materials Released

The released material consists of a compact disk labeled T-6A FTD SW V5.02. 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 Auto Test Data

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

3.2.2 GeoChart Editor

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

3.2.3 Host software

HOST Software Installation for Windows 10.doc	07/02/2020
JPATS_HOST_20200625.zip	06/25/2020

3.2.4 Instructor Operator Station software

IOS Software Installation for Windows 10.doc	07/02/2020
data1.cab	06/23/2020
data1.hdr	06/23/2020
data2.cab	06/23/2020
engine32.cab	08/05/2002
ikernel.ex_	01/04/2000
layout.bin	06/23/2020
setup.bmp	01/10/2001
setup.boot	06/23/2020
Setup.exe	08/05/2002
Setup.ini	06/23/2020
Setup.inx	06/23/2020

3.3 Changes Installed

- Added BUS TIE switch to IOS Instrument Repeater page (17-025A)
- Added scale slider to the GeoChart page (19-050A)
- Corrected an issue with IOS application crash when using GeoCharts (20-005A)
- Corrected issue with missing localizer Morse code and marker beacon tones (20-006A)
- Added SOQA/FlightSmart interface to Columbus IOS application (20-014A)
- Performed routine NAVAID updates (20-019A)
- Updated the 5.XX baseline software to include the last three 4.XX release changes (20-020A)

3.4 Adaptation Data

This document applies to all modernized T-6A FTD without the HOTAS modification (ECP 001).

3.5 Related Documents

Instructor's Positional Handbook for the JPATS GBTS T-6A FTD, Version 5.02.

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 at (210) 652-1251 or DSN 487-1251.

3.7 Possible Problems and Known Errors

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.