

3.2.3 Technology Insertion

As a result of technology insertion, the Contractor shall purchase the software/hardware to support the effort as approved by the Government. The Contractor shall support ECP/CCP projects as requested by the PCO for the Sustainment of GBTS to resolve parts obsolescence issues or improve the training devices with technological advances.

3.2.4 Training Enhancements

When directed by the PCO, the Contractor shall upgrade training systems and components in order to enhance training utility.

3.2.4.1 USAF IOS Retrofit

This section outlines the Government's requirements for the following IOS Retrofit to the USAF ATDs. The Contractor shall accomplish all tasks necessary to incorporate the retrofit as identified in the following paragraphs within the first 12 months of assuming contract responsibilities.

3.2.4.1.1 The Contractor shall install the current baseline ATD IOS functionality previously developed under the JPATS production contract. This shall include an updateable, electronic database of navigation charts for the JPATS Flyable Visual Database (VDb) and arrival/approach/departure plates for the various airfields in the JPATS VDb. These data are currently in use on the US Navy and CSO Pensacola ATDs and will be provided by the Government.

3.2.4.1.2 The baseline IOS is designed using the following hardware/software (per device):

FSSC Part Number	Qty	Nomenclature
10VI-05335BK	1	DVI-D VIDEO CABLE - 35ft
198500001016-00	1	24" Rack Slide Rails - TRENTON SYSTEMS
6805ABE200-501	1	Computer Assembly, IOS Computer - Consisting of:
262-500002008-00	1	Chassis, PCI Bus, 15 Slot - TRENTON SYSTEMS
92-507053-xxx Rev F-03	1	Trenton Single Board Computer (XEON, 3.5GHz, 4GB RAM)
92-507087-xxx Rev G-02	1	Trenton PCI-Express Backplane
193500001150-00	1	ETHERNET I/O BRACKET WITH CABLE - TRENTON SYSTEMS
4006	1	NFS Server for Windows - ALLEGRO
GLC -00182	1	Windows 10 Enterprise LTSB, 32bit - MICROSOFT
GTX-650TI	1	Video Card - ASUS
SATA-24	1	SATA Cable, 24"
SLSATAF20	1	SATA Cable with MOLEX Connector - STARTECH.COM
SN-208FB/BEBE	1	Slimline DVD Drive, SAMSUNG
ST310005N1A1AS-RK	1	Hard Drive, 1TB - SEAGATE
	2	ASUS 21" LCD monitors (4:3 aspect ratio including DVI and VGA inputs - VGA is used for primary display)

	1	Epson C88+ Inkjet printers (required for Win7/10 driver support) (replacement printers must support a parallel-port input since IOS interconnect is via parallel port)
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3.2.4.1.3 IOS Upgrade Kit, Drawing package (included in the bidder's library package):

- a. 6805AB0100 - KIT INSTALLATION, IOS COMPUTER UPGRADE
 - i. 10VI-05335BK - "DVI-D VIDEO CABLE, 35FT" & "SPECIFICATIONS"
 - ii. 198500001016-00 - "24-INCH RACK SLIDERAILS, TRENTON SYSTEMS"
 - iii. 6805ABE200-501 - "COMPUTER ASSEMBLY, IOS COMPUTER"
 - iv. 6520AEA001 Revision Y - "TOP LEVEL ASSEMBLY, CABLE INSTALLATION"
- b. The following exceptions apply to the provided drawing packages:
 - i. 10VI-05335BK - "DVI-D VIDEO CABLE, 35FT": this item replaces Cable W39 (Find Number 68) in drawing 6520AEA001
 - ii. 6805ABE200 shows Microsoft Win7 Ultimate - 64bit; this is being superseded by Windows 10 Enterprise - 32bit

3.2.4.1.4 The Contractor shall begin this effort in conjunction with assuming the CLS contract.

3.2.4.1.5 Verification shall be accomplished by demonstration of the above requirements per each device in accordance with the existing Acceptance Test Procedures (ATP). Upon completion of the ATP, a Certificate of Completion (CoC) for each device will be jointly signed by the Government and the local Contractor representative.

3.2.4.1.6 The Contractor shall provide drawing and documentation updates only if there are COTS equipment changes from the baseline. If there are no equipment changes, the current documentation will suffice.

3.2.4.1.7 The Contractor shall include pricing for the required spares listed below to maintain the new IOS configuration. The acquired spares shall be added to the RSP.

FSSC Part Number	Qty	Nomenclature
193500001150-00	9	ETHERNET I/O BRACKET WITH CABLE - TRENTON SYSTEMS
262-500002008-00	9	Chassis, PCI Bus, 15 Slot - TRENTON SYSTEMS
GTX-650TI	9	Video Card - ASUS
SATA-24	9	SATA Cable, 24"
SLSATAF20	9	SATA Cable with MOLEX Connector - STARTECH.COM
SN-208FB/BEBE	9	Slimline DVD Drive, SAMSUNG
ST310005N1A1AS-RK	9	Hard Drive, 1TB - SEAGATE