Addendum to Approved NTSP

S-3B AIRCRAFT

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ADDENDUM TWO

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Comment/Correction: (Specific changes are highlighted)

Part I, page I-6 to I-7, section G, paragraph 1.e., change paragraph to read:

e. AN/AYK-23 Computer Processor Memory Unit. The AFC 274, CPMU is a replacement for the AN/AYK-10 General Purpose Digital Computer used to monitor and coordinate the routine functions of various electronic systems in the S-3B. This upgrade is similar to the CAINS II upgrade with modern digital technology replacing older, less reliable analog technology. Additionally, Software Fleet Issue (FI) B4.5A re-writes the S-3B Tactical Mission Program (TMP) B4.4.4T in the Ada programming language for use in the new AYK-23 mission computer to better facilitate software maintenance. B4.5A is functionally equivalent to the previous FI B4.4.4T. No new capabilities are incorporated. DT training was provided to Force test personnel by the SSA Force test personnel from April to June 2000, primarily using a draft B4.5A Fleet Introduction Guide and hands on training in the NAWCAD Systems readiness facility lab. OT training was provided to VX-1 test personnel on July 19, 2001.

Ada will be released to one squadron initially (currently planned for VS-22 in July 2002). The SSA will send a training team to the squadron. The VS-41 Fleet Replacement Squadron at NAS North Island and WingTraining Unit at NAS Jacksonville will also attend.

The STP version to be released with B4.5A is a very minor change to the previous AYK-23 STP program. The update is to support hardware changes to the AYK-23 required for Ada. Hands on training to squadron maintenance personnel and NATEC will be provided by the SSA by one on-site visit to each coast just prior to B4.5A release.

VS-41 and JAX WTU will develop training guides based on SSA training provided to the initial B4.5A release squadron. VS-41 and Jax WTU will be responsible for the training of all VS squadrons beyond the initial release. VS-41 has already received an initial B4.5A Fleet Indoctrination Guide for use in developing training plans. Since B4.5A is functionally similar to the software it replaces, no change in the level of training of personnel for TMP or STP training is expected.

Comment/Correction:

Part I, page I-7, section G, add paragraph 1.g:

g. Ground Proximity Warning System (GPWS) ECPS3B/937-01. The GPWS is a CNO mandated upgrade designed to provide warning to the aircrew of immediate impending Control Flight Into Terrain (CFIT) and will provide warning cues to direct the pilot in the correct flight maneuver to avoid a CFIT incident. The GPWS consists of a software product that will be added as part of a modification to the S-3B CDNU Operational Flight Program (S3B-30001-101F) Software. This software incorporated into the CDNU combined with the Voice Generating System (VGS), CV-4383/A Digital to Analog Converter, comprise the Ground Proximity Warning System. In addition to the

incorporation of the GPWS, this ECP will replace the RT-1015A/APN-194 with the Low Probability Impact Altimeter (LPIA), RT-1805/APN. The LPIA will provide a more reliable and easier to maintain Electronic Altimeter Receiver Transmitter while retaining the existing AN/APN-194 indicators and antennas. The CV-4383/A Digital to Analog Converter weighs 2.5 lbs. and is (H)2.15"X(W)6.0"(D)7.03" in size.

Comment/Correction:

Part V, page V-III, add to MPT Milestones:

COG CODE	MPT MILESTONES	DATE	STATUS
TSA	GPWS Training Source Data Completed	11/15/01	Ongoing
TSA	GPWS Training Video Completed	11/15/01	Ongoing
TSA	Conduct GPWS Initial Training for DT/OT/MTU personnel	3/01/02	Pending
PDA	GPWS Maintenance Plan	4/01/02	In work
PDA	GPWS Maintenance Pubs	5/02/02	In work
OPTEVFOR	Complete GPWS OTRR	5/01/02	Pending
PDA	Issue GPWS Tech Directive (TD)	7/21/02	Pending
TSA	Achieve GPWS IOC	2/28/03	Pending