TPS EXPRESS NEWSLETTER

This edition of the ***NEWSLETTER*** continues updates to the 15 September 2007 baseline.

The October Special Edition *NEWSLETTER* provided information on the AN/USM-674(V)3 and theAN/USM-676. This October *NEWSLETTER* provides information on OTPS.

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The package is available on two web sites.

1. https://pma260.navair.navy.mil

2. http://www.acq.osd.mil/ats

Scroll down to ATS ED Document Library
Click on NAVAIR Generic_OTPS_RFP

TPS EXPRESS NEWSLETTER

The need for updates occurs throughout the year. Some updates are more important than others. Incorporating new requirements should always be considered when preparing a RFP or RFQ for a new TPS development effort.

Some requirements should be "immediately" incorporated in existing contracts, taking into account cost and schedule impact. These "immediate" requirements will be identified. Not incorporating them will cause the Navy to retrofit the TPS after contract acceptance.

Summary of this ***NEWSLETTERS*** information:

The following changes should <u>IMMEDIATELY</u> be incorporated when preparing for a new TPS contract and, if feasible into all existing TPS contracts.

07-24 Fleet Introduction NOTE: This information is in the 15 September 2007 documents. It is being published in the *NEWSLETTER* to call attention to the change.

Changes On Site Verification to Fleet Introduction

07-25 CASS OTPS SERD PREPARATION GUIDE

Provides information on preparing SERDs

07-26 COMMON HAND TOOL

Identifies a location listing Common Hand Tools

07-27 ATTACHMENT 2A UNIT UNDER TEST (UUT) LISTING. NOTE: This Attachment was inadvertently omitted from 15 September 2007 baseline.

07-24 Fleet Introduction

PROGRAM MANAGER'S USER MANUAL for the NAVAIR GENERIC OPERATIONAL TEST PROGRAM SET (OTPS) REQUEST FOR PROPOSAL (RFP): Replace paragraph 2.2 (q) with the paragraphs below.

2,2 (q) Plan and manage the Fleet Introduction Process (formerly known as On-Site Verification). A typical Fleet Introduction plan is on the PMA-260 web site.

Attachment 1, Statement of Work. Revise paragraph 3.10 as shown.

3.10 ~~Site Standup~~. Fleet Introduction The Contractor shall provide support for ~~Government Site Standup~~ Fleet Introduction activities in accordance with the requirements of Attachment 3, the GATP. The Contractor shall provide a report of the results of the ~~Site Standup~~ Fleet Introduction. (DI-MISC-80652)

Attachment 3, General Acceptance Test Procedures. Revise the paragraphs as shown.

1.1 Purpose. The purpose of this GATP is to define Pilot Production Acceptance Test (PPAT), Technical Evaluation (TECHEVAL), Production Acceptance Test (PAT), and Fleet Introduction requirements for acceptance testing of TPSs.

3.4 Fleet Introduction

3.4.1 Sites. Fleet Introduction shall be conducted at four (4) sites identified below.

2 East coast
2 West coast

3.4.2 Schedule. OTPS Fleet Introduction shall be scheduled to begin at the first designated site no later than sixty (60) days after acceptance (DD-250) of the first production hardware. Fleet Introduction for the four (4) sites shall be scheduled as agreed to by the Navy and the Contractor. All Site Fleet Introduction shall be completed within a twelve (12) month period.

3.4.3 Duration. The duration of any single Fleet Introduction shall be twenty eight (28) days. This is four (4) work weeks plus weekends. The Contractor shall remain on site for the entire period.

3.4.4 Work day/week. The workweek will begin at 0800 on a Monday and will be five (5) weekdays. A shift is defined as an eight (8) hour period. A single shift operation is planned for each site. However, if deemed necessary and agreed to by the Contractor and the Government site representative, the work schedule may be modified.

3.4.5 Government responsibilities.

(a) The Government will provide and maintain the ATE and UUTs during Fleet Introduction.

(b) The Government will provide an ATE operator.

(c) The Government will provide repair support area and storage space at the designated site as identified by the Contractor.

3.4.6 Contractor responsibilities.

(a) The Contractor shall maintain a record of all proceedings during Fleet Introduction and submit a final report.

(b) The Contractor shall provide OTPS spares, resolve OTPS anomalies, and perform repairs to OTPS elements.

(c) The Contractor shall be knowledgeable with the OTPS and ATE operation.

(d) The Contractor shall investigate all OTPS discrepancies occurring during Fleet Introduction. Discrepancies shall be identified and corrected within thirty (30) days at no additional cost to the Government.

(e) The Contractor shall provide any special test equipment or general-purpose test equipment required.

(f) The Contractor shall identify any special storage or space requirement to the government prior to the start of Fleet Introduction.

(g) The Contractor shall obtain proper security clearances and follow security procedures at designated sites.

(h) The Contractor shall provide (Contractor to identify number of personnel in his proposal) personnel at each site.

3.4.7 Fleet Introduction acceptance. Successful demonstration of the Fleet Introduction shall consist of OTPS installation in accordance with the OTPI and successful execution of the ID self-test and UUT performance tests. Acceptance shall consist of OTPS installation on the ATE in accordance with the OTPI and execution of the ID Self Test and UUT Performance Tests. All available UUTs for each particular OTPS, whether RFI or Non-RFI shall be run across the ATE during the Fleet Introduction duration period. A Certificate of Completion form shall be completed and signed by on-site Government and Contractor personnel at the conclusion of each successful Fleet Introduction.

07-25 CASS OTPS SERD PREPARATION GUIDE

ATTACHMENT 1, STATEMENT OF WORK, Add the CASS OTPS SERD PREPARATION GUIDE (attached to the forwarding e-mail) as Enclosure 5 and add the wording shown in Bold to paragraph 3.5.13.4.

3.5.13.4 Support Equipment Recommendation Data (SERD) Guidance Conference. The Contractor shall host a SERD Guidance Conference prior to CDR. The Contractor shall obtain Government input and prepare the agenda. The Contractor shall record and publish on-line the review minutes and action items

The Contractor shall discuss the relevant data fields. The individual responsible for SERD preparation shall be identified.

The Government Representative shall provide information relative to standard or typical data entries. Articles Requiring Support (ARS) and Basis of Issue (BOI) shall be discussed.

The Government Representative shall arrange for Contractor access the Support Equipment Management System (SEMS).

Enclosure 5, CASS OTPS PREPARATION GUIDE is not a tutorial for basic SERD preparation. Here, we assume that CASS ATE OTPS SERD Preparers are fully knowledgeable in the SERD basics and only require guidance on specific CASS ATE OTPS SERD requirements. The specific and unique CASS ATE OTPS related requirements are addressed herein for preparing/editing SERDs by sequencing through the "SEMS ON LINE" SERD Tabs. Data input selections/decisions for basic SERD information entries are not included in this Guide.

07-26 COMMON HAND TOOLS

PROGRAM MANAGER'S USER MANUAL for the NAVAIR GENERIC OPERATIONAL TEST PROGRAM SET (OTPS) REQUEST FOR PROPOSAL (RFP): Add paragraph (f) to 1.2 Applicable Documents

(f) CASS USER'S LOGISTICS SUPPORT SUMMARY (ULSS) APPENDIX B COMMON HAND TOOLS

Appendix B is a list of common hand tools required for CASS maintenance.
It can be found by accessing https://pma260.navair.navy.mil . Click on CASS, click on DOCUMENTS click on CASS ULSS, and scroll down to APPENDIX B COMMON HAND TOOLS.

07-27 Attachment 1, Appendix A UUT Listing

ATTACHMENT 1, STATEMENT OF WORK, Add the UUT Listing (attached to the forwarding e-mail) as Appendix A.

TPS EXPRESS NEWSLETTER

Summary of previous editions:

FEBRUARY 2007

07-01 Type Equipment Code (TEC).

Added an example to the Program Manager's Users Guide, paragraph 5.1.4.2 Logistics, (i).

07-02 ATS Source Data Repository (ASDR)

Added the LMI Data Base as a delivery to ASDR. Documents affected CDRLs.

07-03 Unique Identification (UID)

Provided a new UID statement of work and sample drawing. Documents affected ATTACHMENT 2, PERFORMANCE SPECIFICATION ADDENDUM.

07-04 OTPS Quantities

Added wording to estimate the OTPS quantities and plan for contingencies, including FMS to the Program Manager's Users Guide, paragraph 5.1.2 Contracts Sections A-M, (b) Section B

MARCH & APRIL 2007

None

MAY 2007 NEWSLETTER

07-05 CASS CONFIGURATIONS

Identifies the requirement to determine CASS configuration/quantities; and to coordinate with PMA-260 for availability.

07-06 CASS INSTALLATION AND MAINTENANCE

Identifies the use of a Government Installation Team for CASS installation and the use of a Government PBL contract for CASS maintenance.

TPS EXPRESS NEWSLETTER

JUNE 2007

07-07 TEST STATEMENT NUMBERING

Provides additional information on Test Statement Numbering

07-08 TECHEVAL WEB SITE

Deletes reference to a TECHEVAL Web Site. The Web Site was discontinued.

JULY 2007

07-09 WIRE SEGMENTS IN A PCOF

Limits the number of wire segments in self-test PCOF.

07-10 WUC SERIES 41

Specifies the use of WUC 41 series.

07-11 TECHNICAL DATA PACKAGE NATIVE FILES

Deliver Technical Data Package native files vice..DXF format to ASDR

07-12 SAFETY CONSIDERATIONS

Modified the MARKING requirements.

07-13 OTPS Naming Convention

Provides guidance in OTPS naming

AUGUST 2007

07-14 TECHEVAL

Provides guidance for TECHEVAL

07-15 PHYSICAL CONFIGURATION AUDIT (PCA)

Provides guidance for PCA

07-16 SOURCE DATA

Provides guidance on source data used for TPS Development.

07-17 Program Manager's User Guide

Changed title of Program Manger's User Guide to Program Manger's User Manual

07-18 SMART TPS

Provides requirement for incorporation of SMART TPS capability.

07-19 Attachment 1, SCOPE

Provides tailoring requirements for developing TPS for CASS and RTCASS.

07-20 Revision Table

Deleted Revision Table from each document. NEWSLETTERs will identify changes to be made thru out the year until the documents are re-baselined. A master change file will be maintained for record purposes.

SEPTEMBER 2007

07-21 TPS NUMBERING

Provides requirements for TPS Numbering.

07-22 MTPSI

Provides new requirements for MTPSI

07-23 ASDR Directory Structure Update

Provides update to the ASDR Directory Structure

OCTOBER 2007

The October Special Edition ***NEWSLETTER*** provided information on the AN/USM-674(V)3 and theAN/USM-676

ATTACHMENT 1, Appendix A

UNITS UNDER TEST (UUT) LISTING

TAILORING NOTE TO PROGRAM MANAGER:

You must review current Maintenance Plan and the SM&R codes for any Offload program in order to determine what the correct maintenance philosophy is for the UUTs identified below. It is very important to structure your ambiguity callout requirements, identified in the Performance Specification MIL-PRF-32070, to match the current UUT maintenance philosophy.

NOTE (1): IF YOU INTEND TO PROVIDE SUGGESTED OTPS GROUPINGS, THEN ADD GROUPINGS TO THIS APPENDIX.

NOTE (2): BE SURE TO INCLUDE THE NUMBER OF FAULTS TO BE INSERTED BY THE CONTRACTOR DURING INTEGRATION. THIS NUMBER SHOULD BE APPROXIMATELY TWICE THE NUMBER OF FAULTS TO BE INSERTED DURING PILOT PRODUCTION ACCEPTANCE TESTING.

UUT LISTING (EXAMPLES)

#	REF DES	PART NUMBER	WUC	QTY	NOMENCLATURE	GFE Y/N	WRA/SRA	TEST AS	MTBF (if available)	NUMBER OF FAULTS TO BE INSERTED DURING INTEGRATION
1	AM-4377/ASN-54	SLZ9470	29C1B00	2	Electronics Control Amp	Y	WRA	WRA		100
2	CP-1404/ASN-54	SLZ-9300-EA6B-1	29C2D00	2	Throttle Control Computer	Y	WRA	WRA		
3	MX-9529/ASW	4015387	573M2	2	Control Stick	Y	WRA	WRA		
4	T-788/ASW	615794-4	57X11	2	Lateral Accelerometer	Y	WRA	SRA		NHA
5	T-788/ASW	123SCAV103-1	57X11	1	Lateral Accelerometer	Y	WRA	SRA		
6	None Assigned	548052-4-2	49A1200	2	Emerg Pwr Voltage Regulator	Y	WRA	WRA		
7	JG-661A6	372-056-001	466A150	0	Dig Fuel Qty Indicator	Y	WRA	WRA		Test and Check only

Notes:

- UUTs with “0” in QTY column are either SRAs found within the parent WRAs (supplied) or are alternate part numbers for items co-listed with QTY=2. (Same stock number, different part number)
- UUTs with “NHA” in Integration Fault column shall have SRAs extended and tested within Next Higher Assembly during fault isolation testing.
- UUTs with “Test and Check only” in Integration Fault column shall verify that UUT is either RFI, allow for and properly realign/readjust the UUT, or verify defective prior to BCM action. No fault isolation is required.

CASS OTPS
SERD PREPARATION GUIDE

MAY 2007

Prepared for

NAVAL AIR SYSTEMS COMMAND
PMA260-D2

by

The M&T Company
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Lakehurst, NJ

TABLE OF CONTENTS

Table of Contents i

Background, Description, Purpose and Application 1

Instructions for Completing the “OTPS Set Configuration” SERDs 3

- SERD Tab 3
- Part NBR Tab 3
- NIIN Tab 3
- Equiv P/N Tab 6
- BOI Tab 6
- ARS/GFAE Tab 7
- Supersedure Tab 7
- Remarks Tab 8
- IMRL Remarks Tab 10
- REV RMKS Tab 11
- APP Status Tab 11

BACKGROUND, DESCRIPTION, PURPOSE and APPLICATION

Consolidated Automated Support System (CASS) is the Navy's Automated Test Equipment (ATE). The system, and all its variants, will be identified (in text) as CASS ATE. Test Program Software (TPS) is developed to support a specific Unit Under Test (UUT), or group of UUTs, on CASS ATE. The Operational Test Program Set (OTPS) contains all hardware elements required to connect and secure a UUT to the CASS ATE, and resolve any incompatibilities between the UUT and the CASS ATE during TPS execution. An OTPS may support more than one TPS.

This is not a tutorial for basic SERD preparation. Here, we assume that CASS ATE OTPS SERD Preparers are fully knowledgeable in the SERD basics and only require guidance on specific CASS ATE OTPS SERD requirements. The specific and unique CASS ATE OTPS related requirements are addressed herein for preparing/editing SERDs by sequencing through the "SEMS ON LINE" SERD Tabs. Data input selections/decisions for basic SERD information entries are not included in this Guide.

A CASS ATE OTPS may include, but is not limited to, the following representative Elements:

a. Interface Device
b. Cable Assembly Set
c. Accessory Set
d. Adapter Assembly
e. Test Fixture
f. Holding (mounting) Fixture
g. Control Assembly
h. Software

The OTPS itself and each of its Hardware Elements are to be supported by SERDs. If a SERD is in existence, it should be revised to conform to the format presented in this Guide. Where no SERD currently exists, one should be prepared.

Though previously incorporated as Elements of the CASS ATE OTPS, because of the constant configuration changes in these items, the following are no longer to have new SERDs built for them. If SERDs are currently established for these Elements, they are not to be revised.

- Operational Test Program Media (OTPM),
- Operational Test Program Instruction (OTPI),
- Operational Test Program Disk (OTPD),
- Maintenance Test Program Set Index (MTPSI)

To ensure compliance with the above guidance / direction, all QS list codes will be discontinued and all QS software SERDs will be deleted as B8 once the list codes are discontinued. No additional QS list codes will be required nor will they be created.

The following procedures are to be applied to all new original and revised CASS ATE OTPS SERDs (not to Element SERDs):

a. Add this statement to SERD General Remarks:
   "Refer to MTPSI for the CASS ATE Hardware Requirements and latest CASS ATE/TPS software configurations."

   (Delete all other program specific MTPSI references).

b. For all platforms that utilize, or will be utilizing, RTCASS, add this statement to both General and IMRL Remarks:
   "This OTPS used with USM-636, USM 702 and others."

   For all platforms not designated for RTCASS, add this statement to both General and IMRL Remarks:
   "This OTPS used with USM-636 and others."

(Position both above statements following the OTPS structure configuration.)

The following is to be applied to all new original and revised CASS ATE OTPS and Element SERDs:

a. The term "CASS ATE" is to be used in lieu of "CASS" and/or "USM-636", except in official item names and assigned nomenclatures.

The SERD format described herein shall be applied to existing CASS OTPSs, Legacy ATE items offloaded to CASS ATE and newly prepared CASS ATE OTPSs. Existing CASS ATE OTPS and element SERDs are to be revised and new SERDs are to be configured in accordance with these guidelines.

INSTRUCTIONS FOR COMPLETING THE "OTPS CONFIGURATION" SERDS

1. SERD Tab

a. Original SERD price. Enter actual OTPS cost as listed in the production contract. Generally, OTPSs are procured on firm fixed price production contracts, and cost information is available in section L of the contract. If a contract price is not available, then the OTPS cost should be calculated by adding up the costs of its Elements.

b. LSA Code. Typically, "MP" or "LSA" is applicable.

c. Maintenance Requirement Card Ind. Enter "NO". Schedule Maintenance is not allowed per Red Team Spec MIL-PRF-32070 of January 2002.

d. Technical Manual Code. For I-level pubs with IPB, enter "06" or "11" as applicable.

2. Part NBR Tab

a. Part Number and CAGE Code. Vendor/Manufacturer CAGE Codes should be used whenever possible when creating SERDs. CAGE Codes 30003 or 80058 may only be used when there is a NAVAIR Control Drawing, but no procurements have been completed. These CAGE Codes are for temporary use only. Once a Vendor/Manufacturer is identified, either Organic or Commercial, the associated CAGE must be established as an equivalent CAGE for the part number in the SERD. The Program Office is responsible for the CAGE change and the Platform WSM has the authority to assign or correct CAGE Codes.

b. Remaining Blocks. Do not have applicability to OTPS.

3. NIIN Tab

a. Type Designator. (Limited to 20 alpha-numeric characters and spaces). Also identified as Government Type Designator (GTD). Check for assigned GTD for the OTPS or Element being processed.

1) Background Information. The U.S. Army Communications-Electronics Command AMSEL-LC-LEO-E-EP maintains the Joint Electronics Type Designation Automated System (JETDAS), and is the source for obtaining information on existing GTDs. GTDs are required for the OTPSs and are to be obtained via JETDAS, if not assigned. Hardware Elements are also to have GTDs assigned, however, for

existing (fielded and “re-use”) Elements that do not have GTDs, the controlling Program management must be advised of the status. That office will initiate action to obtain the GTDs, if deemed appropriate.

Note: Due to the multiple configurations of CASS supporting Fleet applications new GTDs will no longer include “636(V)” extension.

2) SERD Tab Application. The GTD entered in the SERD block should exactly match that assigned by JETDAS (Example: J-6737/USM). The GTD must also be incorporated into the FULL ITEM NAME of the OTPSs and the Hardware Elements. (See FULL ITEM NAME below.)

b. Full Item Name. (Limited to 40 alpha-numeric characters and spaces). Use standard abbreviations (taken from the OTPS Technical Manual, MTPSI card, or old SERD) such as:

ACCY = Accessory
ADAPT = Adapter
ALGN = Alignment
ASSY = Assembly
CAS = Cable Assembly Set
CTL = Control
ELEC = Electrical
FIXT = Fixture
GRP = Group
HF = Holding Fixture
ID = Interface Device
INSRTN = Insertion
MNT = Mount
OTPI = Operational Test Program Instruction
OTPM = Operational Test Program Medium
PWR = Power
PS = Power Supply
RF = Radio Frequency
RMVL = Removal
SP = Shorting Plug
ST = Self Test
TF = Test Fixture

The Government Type Designator (GTD) shall be incorporated as part of the FULL ITEM NAME of the OTPS and of the Element. The FULL ITEM NAME of the Element must also include the GTD of the OTPS to which it belongs. The GTD is usually truncated to the unique portion of its identification because of character quantity limitation. “USM” incorporated into the FULL ITEM NAME identifies it as a multi-configuration CASS ATE application. (Example: CAS MX-11757, P/O OTPS ON-448/USM.)

There is to be no reference in the FULL ITEM NAME to the Legacy Tester (i.e. RADCOM) for offloaded OTPSs. The OTPS Acquisition number (i.e. OTPS 01) may be used only temporarily for additional identification of the OTPS until a GTD can be obtained. Once a GTD is assigned, this platform OTPS identifier must be removed. (Example: "CASS AV-8B OTPS 01/USM" change to "CASS AV-8B OTPS ON-496/USM".)

The FULL ITEM NAME may include additional platform/system identification, though generally this can only be incorporated at the OTPS level because of character limitation. (Example: CASS OTPS, APG-73 RDP). If identification of a Hardware Element is required that has more characters than normally used, space can be saved by dropping "OTPS" from the FULL ITEM NAME. (Example: ON-414/USM or IRR RING MIR ALIGN, P/O ON-522/USM). If an Element is part of more than one OTPS, that information should be incorporated into the NAME as well. (Example: CAS MX-11751, P/O OTPS ON-487, 489/USM).

c. Short Item Name. (Limited to19 characters/spaces). Explain any abbreviations used in FULL ITEM NAME if possible. (Examples: "TEST FIXTURE" or "INTERFACE DEVICE").

d. Type Equipment Code (TEC). Enter the TEC assigned to the platform being supported by this OTPS. SEMS AUTOSERD Bulletin # 35, Proper Assignment of TEC for CASS ATE OTPS and OTPS Elements, 21 March 2005 applies. The following is a listing of approved TECS for CASS ATE OTPSs. All CASS ATE OTPS'S and their Consists-Of Elements should have the below TECS assigned.

- H-60 OTPS SETS	S5YB
- E-2 OTPS SETS	SDYB
- EA-6 OTPS SETS	SCYB
- AV-8 OTPS SETS	SVYB
- FA-18 OTPS SETS	SWYB
- S-3 OTPS SETS	SUYB
- T-45 OTPS SETS	SLYB
- V-22 OTPS SETS	S7YB
- Multi-Platform OTPS SETS	GSYB

e. Source, Maintenance and Recoverability (SM&R) Code. The following are typical SM&R Codes for the OTPS and its Elements:

- OTPS ON-XXX/USM	AGGGD or AGDDD
- Interface Device	PEGGD
- Cable Assembly Set	ADGGD or PEGGG or PEGGD
- Accessory Set	AGGGD or PEGGD
- Adapter Assembly	PEGGD
- Holding/Mounting Fixture	PEGGD or PFDDD
- Bracket Assy	PAGGG

Note: User and Repair Maintenance Codes for non-controlling OTPS SERD applications can differ from the controlling applications, provided they are more restrictive.

f. Criticality Code. Enter "X (Non CSI/CAI Item). Entered by WSM

g. Calibration Requirement Indicator. Enter "N". For Test Program Hardware, in accordance with "Red Team Spec" MIL-PRF-32070 of January 2002, calibration is not allowed.

4. Equiv P/N Tab

a. Enter any equivalent CAGE codes against part number.

b. Enter any equivalent part numbers.

c. GTDs are no longer to be established as an equivalent part number to the SERD primary part number. If already established, the GTD should be purged as an equivalent part number the next time the SERD is in a pending status. This action does not warrant creating a SERD revision. Also remove any associated NAVICP notes pertaining to the equivalency.

5. BOI Tab

a. List Codes. List Codes are established for an OTPS using a QI prefix.n Hardware Elements use a QM prefix and Ancillaries use R5.

- QI is for the top level OTPS. The SE NIIN SERDed in QI is an assemble item consisting of OTPS Elements such as the Ids, Adapter Sets, Cable Sets, Holding Fixtures, etc but never only one of these individual items.

- QM is used to allowance ATE Test Program Set Hardware items such as the IDs, Adapter Sets, Cable Sets, Holding Fixtures, etc, but not Ancillary SE such as an external power supply or GPETE item.

- R5 is used to allowance ATE Stations, Ancillary SE such as an external power supply and the normal O/I/D Level IMRL items.

6. ARS/GFAE Tab

a. Consists-Of Data: The OTPS SERD Consists-Of Data is to include all the hardware Elements of the OTPS. List all items by their Element name/GTD

(truncated is acceptable), along with the corresponding P/N, NIIN, CAGE data and quantity of issue. (Examples: “INTERFACE DEVICE J-1234” or “ACCESSORY SET MX-23456”). Software information (Elements) is not to be incorporated into the C-O data. Element quantities will always be one (1) each, even if an Element is a part of more than one OTPS. Hardware Assembly/Set Elements, such as a CABLE ASSEMBLY SET, that contain components, are to have those components listed in its ARS C-O Data. Provide component description, P/N, NIIN, CAGE data, Work Unit Code (WUC) and quantity of issue. Components of the Consists-Of data should also be listed in the IMRL Remarks of the SERD and may also be provided in the Miscellaneous Remarks.

NOTE: The quantity-of-issue blocks for “Consists of Data Only” display all applications for that component. Though red highlighted applications mean the SERD preparer does not have access to that application, there may be applications to multiple SERDs/NIINs on the same platform or other platforms to which the preparer does have access. Caution should be observed so as to apply the quantity only to the desired applications. Also, quantities can differ between applications.

b. Units Under Test (UUTs). All the UUTs supported by the OTPS or Element should be entered herein. The UUTs maintenance levels identified should match the BOI List Code maintenance levels. A WUC should be entered for each UUT or for the system to which it belongs. (Examples: “24A8300” or “74Y4”). Also provide listing of UUTs under the Remarks tab preferably against Part I Functional Analysis. Each Element SERD should list only those UUTs that are supported by that Element.

7. Supersedure Tab

a. OTPSs do not Supersede other OTPSs. Because of the unique application of supporting specific WRAs or SRAs, and unique configuration of OTPSs, OTPSs can only replace existing ones. This is usually accomplished using a B-5 (revised maintenance concept) deletion on the existing SERD.

b. CASS ATE OTPS elements can be F2 or F3 superseded. An element of a CASS ATE OTPS must be F2 superseded if an aircraft ECP requires a change in the SE. An F3 supersedure of an element of a CASS ATE OTPS could occur if there are obsolescence issues with the originally fielded item.

8. Remarks Tab

a. When offloading UUTs from Legacy ATE to CASS ATE, the OTPS Remarks (under Functional Analysis) should include information similar to the following:

“The EA-6B aircraft contains the AN/ALQ-99 Tactical Jamming System (TJS). The TJS contains subsystems that are located on board the aircraft or in pods.

The on board system contains multiple WRAs including a group of surveillance receivers and other WRAs providing input signals to the surveillance receivers. These WRAs have been supported by use of multiple TPSs hosted on AN/USM-467 RADCOM. See the subsequent information note related to deletion of these TPS elements."

"Future support of these WRAs will be in accordance with the requirements of the NAVAIR Consolidated Automated Support System (CASS) ATE offload program. It requires migration from TPSs hosted on AN/USM-467 RADCOM to an OTPS hosted on CASS ATE. Specific data related to each of those WRAs is found in the ARS section of this SERD, indicating each as an Article Requiring Support (ARS) under the cited requirements. Each of these WRAs requires support at the Intermediate Maintenance Level at all EA-6B Support Sites."

b. Identify the avionics system being supported by the OTPS (i.e APS-139).

c. Identify the UUTs being supported by the OTPS or particular hardware Element. Include Description, P/N, NIIN (if available) and WUC.

d. The OTPS SERD Remarks should provide the complete structure of the OTPS, identifying both hardware and software Elements. Hardware Element information should match that shown on the Element SERD, including the FULL ITEM NAME, not truncated. A sample OTPS structure (and related remarks) is shown herein. (Software Elements are only shown in OTPS SERD Remarks).

Note: The UUTs in the aforementioned example can be either WRAs or SRAs

CASS AV-8B OTPS ON-509/USM, P/N 223560000-1, NIIN LLGSE5548, CAGE 0177B, SERD NO. 5062, CONSISTS OF THE FOLLOWING ELEMENTS (CAGE 0177B), EACH SERDED SEPARATELY.

SERD	ITEM NAME	P/N	NIIN
5063	ID A2 MX-11855, P/O OTPS ON-509/USM	223561100-01	330041740
5064	CAS MX-11858, P/O OTPS ON-509/USM .	223561400-01	LLGSE5547
5065	ACCY S.T. MX-11856, P/O OTPS ON-509/USM	223561B00-01	330041741
5066	LOAD MX-11859, P/O OTPS ON-509/USM	223561801-01	330041742
5067	HF A4 MT-7151, P/O OTPS ON-509/USM	223561701-01	330041743
5068	ADPTR MX-11857, P/O OTPS ON-509/USM	223561500-01	330041744
5069	HF A5 MT-7152, P/O OTPS ON-509/USM	223561770-01	330042250

REFER TO MTPSI FOR ACASS ATE HARDWARE REQUIREMENTS AND LATEST CASS ATE/TPS SOFTWARE CONFIGURATIONS.

THIS OTPS USED WITH USM-636, USM-702 AND OTHERS.

SOFTWARE SERD INFORMATION IS NO LONGER PART OF THE OTPS STRUCTURE, BUT IS MAINTAINED HERE FOR HISTORICAL PURPOSES ONLY. PER SEMS BUL #49, ALL QS SOFTWARE SERDS WILL BE DELETED AS B8 ONCE THE LIST CODES ARE DISCONTINUED.

5070	OTPI, P/O AV-8B OTPS ON-509/USM	623561000-*	LLSWE4418
5071	OTPM, P/O AV-8B OTPS ON-509/USM	623562000-*	LLSWE4417

Common Support Equipment and/or CASS Ancillary items should be listed with the OTPS structure, providing similar type information as in the structure. Examples:

ADDITIONAL COMMON SUPPORT EQUIPMENT ITEMS REQUIRED TO PERFORM AV-8B OTPS ON-509 ARE AS FOLLOWS:

SERD	NOMENCLATURE	PART NO.	NIIN
5123	COMMON INTERFACE DEVICE A1, J-6111	2051AS610-01	013744938
5128	TEST PROBE	P6101B	009078358
5129	12" CLIP ON GROUND CLIP	196-3121-01	010168693

ANCILLARY ITEM USED WITH OTPS ON-512 IS AS FOLLOWS:

SERD	NOMENCLATURE	PART NO.	NIIN
2843	MLVS CABLE SET	3359AS850	014161228

Providing this full OTPS structure in the Element SERD Remarks is optional for the SERD Preparer. If, however, it is not incorporated in the Remarks, and only reference is given back to the OTPS to obtain information, then the OTPS nomenclature, SERD number, part number and NIIN should be provided. The OTPS structure in Element SERDs is not to include OTPI and OTPM information.

e. Additional information to be provided includes, but is not limited to:

The OTPS Maintenance Plan (MaPl) Number.

The OTPS NAVAIR Technical Manual (TM) Number.

The Production Contract Number used to procure this OTPS and the actual number purchased.

Information concerning SERD revisions along with POC for the revision.

Technical and logistics POCs for the platform or GFER5 system to include; name, organization, phone number(s), and e-mail (if known).

A PMA-260 format compliance statement provided by the PMA-260 SERD-Review-Contractor following review and “adjustments” of either original or revised SERDs

9. <u>IMRL Remarks</u>.

a. The IMRL Remarks of the OTPS must include the OTPS structure; however, **<u>neither SERD information, nor software identification should be shown</u>**. Example (using same OTPS as in Remarks):

CASS AV-8B OTPS ON-509/USM, P/N 223560000-1, NIIN LLGSE5548, CAGE 0177B, CONSISTS OF THE FOLLOWING ELEMENTS (CAGE 0177B), EACH SERDED SEPARATELY.

ITEM NAME	P/N	NIIN
ID A2 MX-11855, P/O OTPS ON-509/USM	223561100-01	330041740
CAS MX-11858, P/O OTPS ON-509/USM	223561400-01	LLGSE5547
ACCY S.T. MX-11856, P/O OTPS ON-509/USM	223561B00-01	330041741
LOAD MX-11859, P/O OTPS ON-509/USM	223561801-01	330041742
HF A4 MT-7151, P/O OTPS ON-509/USM	223561701-01	330041743
ADPTR MX-11857, P/O OTPS ON-509/USM	223561500-01	330041744
HF A5 MT-7152, P/O OTPS ON-509/USM	223561770-01	330042250

THIS OTPS USED WITH USM-636, USM-702 AND OTHERS.

ADDITIONAL COMMON SUPPORT EQUIPMENT ITEMS REQUIRED TO PERFORM AV-8B OTPS ON-509 ARE AS FOLLOWS:

NOMENCLATURE	PART NO.	NIIN
COMMON INTERFACE DEVICE A1, J-6111	2051AS610-01	013744938
TEST PROBE	P6101B	009078358
12" CLIP ON GROUND CLIP	196-3121-01	010168693

ANCILLARY ITEM USED WITH OTPS ON-512 IS AS FOLLOWS:

NOMENCLATURE	PART NO.	NIIN
MLVS CABLE SET	3359AS850	014161228

b. Provide a list of components for those hardware Elements that have them. Generally these are Cable Assembly Sets, Accessory Sets and Adapter Sets. This data should match that which is loaded in the ARS Consists-Of Data. Example:

ACCESSORY SET, P/N 74D060310-2701, CONSISTS OF THE FOLLOWING ITEMS

(CAGE 76301, QTY 1 EA):

COMPONENT	P/N	NIIN
AIR INLET TEST ADAPTER	74D061356-1001	014646634
TEST FIXTURE ADAPTER	74D061357-1001	014646632
DCC/TCU/LPS TEST ADAPTER	74D061366-1001	014646636

c The OTPS SERD gets assigned a permanent NICN (i.e. LL-GSE-1234), which is to be used for OTPS identification. NIINs are to be used when identifying Elements and Components, however, if NIINs are not yet assigned, NICNs are to be used. Automatic updates to overlay NIIN data for the entered NICN data occurs during the monthly update. Manual SERD changes can also be implemented during SERD revisions).

10. REV RMKS Tab

(No direct input)

11. APP Status Tab

(No direct input)

END NOTE The Consolidated Avionic Support System (CASS) ATE is a sophisticated, dynamic, constantly evolving concept for maintaining U. S. Navy / USMC Weapon Systems at peak operational effectiveness. As such, it is subject to changes, improvements, modifications and introduction of additional support requirement capabilities to accommodate technology advancements. Numerous Commands, Agencies, Original Equipment Manufacturers and individuals are intricately involved in the process of operating, maintaining and updating the myriad aspects of the overall System. This Guide attempts to standardize the method of preparing CASS ATE OTPS SERDs for all users and to facilitate documentation and recording of the individual Data Fields required for successful integration of CASS ATE requirements in SEMS.