Tactical Automated Mission Planning System

4 April 1997 **http://tamps6.mugu.navy.mil:1080**

Requirements	Design	Development	Verification	Validation	Op Test	Fleet Use

CAPTAIN's CORNER

by CAPT Ted Spilman

As we near the end of the TAMPS 6.1 deveopment, the team continues to work hard to ensure the product is on schedule; so far, so good! We have continued to work the issues which could slow us down, and at present we are on track for the pre-OTRR on 16 April and the OTRR, now on the 24th due to a personnel scheduling conflict. The remaining issues are the tough ones; they would not still be in the hunt if they were easy, but I have every confidence that the pieces will continue to come together. It would be easy to declare victory based on the performance of 6.1 to date; as a team we need to continue to press the product home and complete our job.

We will be briefing the Joint Mission Planning Segment to USAF and USN officials on 7 April. Out of this meeting we expect to receive support to continue working the specifications and requirements for the program. This will be followed by the Interservice Mission Planning Working Group on the 8th and 9th in San Diego. Our emphasis in this evolution is data bases.

The new TAMPS efforts will give us the impetus to finish our rearchitecture of the mission planning business. Over the next couple of weeks we shall be communicating the new processes and expectations to facilitate our "Transition."

Keep on charging,

Spunk

UPCOMING EVENTS

7 Apr	Joint Strategy Session @ Pentagon
8-9 Apr	IMPWG @ NRaD San Diego
10 Apr	6.1 TPWG @ PM
15 Apr	6.2 PDR @ PM
16 Apr	6.1 Pre-OTRR @ NAVAIR
16 Apr	E-2C FMS Baseline Peer Review
21 Apr	N-PFPS TIM @ Eglin
24 Apr	6.1 OTRR @ NAVAIR, JP-2 Rm 110 (@ 1000)
28 Apr-2 May	OAG @ NSAWC Fallon
5-7 May	6.2 PDR @ PM
13 May	ESC @ NAVAIR

TAMPS HIGHLIGHTS

Seven Phases of a Product's Life Cycle — Requirements Definition

by Paola Carrasco

There are four basic types of requirements: Roadmap, Architecture, Fleet Priorities, and FMS.

The Roadmap provides customer Program Managers (Mission Planning Module (MPM) owners), OPNAV sponsors, and TAMPS program acquisition team members a common authoritative source for mission planning, program planning, and budgeting. Roadmap Requirements are identified in ORDs and TEMPs.

Architecture Upgrade Requirements are also identified in ORDs and TEMPS, however, they are broken out to show architecture changes to preclude parts obsolescence (DTC-2); provide required memory/though-put (disks

drives); and deficiency correction. Other examples of software architecture include changes to employ common modules developed for GCCS and other Joint Services mission planning programs.

Fleet Priorities. PMA money used to fix or enhance fleet prioritized list out of the OAG.

FMS. Unique requirements in support of FMS customers, currently E-2C. Capability for declassifying TAMP an example.

TAMPS PRODUCTS

TAMPS 6.0.5

by Kathey Bailey/Jim Mueksch

Systems Engineering

Fleet Support. Authorized use of TAMPS 5.2 for fleet use in conjunction with an adapted interface for a P-3 launch of SLAM missiles. also, authorized the release of a SLAM flight clearance using TAMPS 6.0.5 Build 6 in support of fleet missile shots for the week of 31 March.

In-Service Support Engineering

Logistics. Depot repair was completed on Trusted TAMPS Ace system and unit was forwarded to site.

Engineering. The shipboard DTC-2 hard drive and CD ROM upgrade have been completed aboard USS Constellation (CV-64). We are preparing for next week's upgrade aboard USS John F. Kennedy (CV-67).

Integration. Working V4 disk slide retrofits on several Trusted TAMPS systems.

General Fleet Support. Completed multiple system repairs and refresher training aboard USS Constellation (CV-64). Ship is ready to sail!

Supporting USS Independence (CV-62) request for replacement laser printer.

Received funding document from MAWTS-1 to reimburse us for the Ace repair costs for system #95 which was damaged due to improper shipping.

Received replacement DTC-2 keyboards and trackballs back from VF-31 after we replaced the set they lost during their move from the west coast. The lost items were found.

TAMPS 6.1

by Kathey Bailey/Jim Mueksch

Programmatics

Due to a last minute schedule change for PEO(T), the OTRR has been rescheduled to 24 April 97 at 1500 in JP-2 Room 110. The pre-OTRR remains on 16 April 97 at 1300 in the same location.

We are working with the COMCRUDESGRU 2 staff to establish an acceptable time and location for a familiarization brief and demo for RADM Mullins.

We held a semi-weekly teleconference with NAWCWPNS Pt Mugu, MPM testers, and VX-9 to discuss and resolve testing issues. Four MPMs (HARM, E-2C, F-14, COMPASS) require internal changes in their software and will be released on a single CD-ROM.

Working with NSA on developing a workaround for a security software problem.

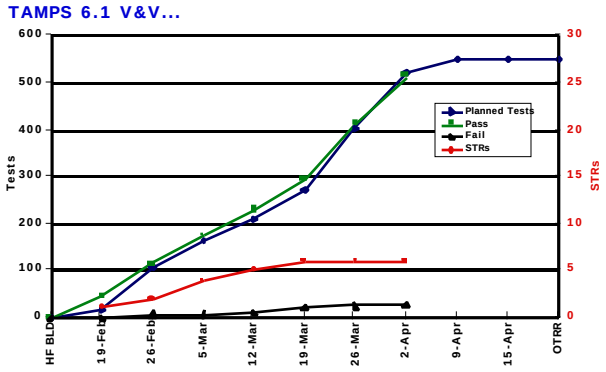
CVW-9 completing training at NSAWC Fallon with positive feedback of TAMPS.

Testing

This has been a very full week! TAMPS 6.1 is rapidly completing the Validation Phase of Test and preparations are under way for OTRR.

As previously noted, we will be producing a single CD with the recompiled MPMs. The 6.1 IPT met this week to discuss preparations for next week's TPWG at Point Mugu and the upcoming OTRR at NAVAIR. Several documentation issues were raised, NRaD has taken these for action.

All testing is tracking to schedule. SOT and Thread testing is complete; Regression testing is nearly finished. We are still projecting test completion 4 April.



TAMPS 6.1.1

by Kathey Bailey/Jim Mueksch

Testing

Build 1 was provided to TAMPS SSA testers on 3 April for initial testing. Three workstations have been configured for testers.

PMA-233 needs to procure cable to interface CJ-10 to an ULTRA-2 if the Xerox printer is not used.

Lockheed has drafted five interface change notices (ICNs):

- Implementation of Solaris 2.5.1 PCFS (Personal Computer File System) support utilities support utilities that provide all functionality required to interface with DOS 3.5" floppy disks on an ULTRA-2.
- Changing to fully buffered I/O mode for Solaris 2.5.1 in order to correct the buffering mode selected by default, all TAMPS applications and/or MPMs writing data to the MDL or DSU cartridges using streaming I/O methodology.
- TAMPS 6.1.1 COTS definitions.
- GO-NO-GO functionality as pertained to the ULTRA-2 hardware configuration.
- Long Float compatibility issues between the SUN Ada 3.0 (g) and Sybase Open Client Ada 10.0.3-14 software applications.

A TAMPS 6.1.1 Interface Control Working Group Meeting will be convened by the TAMPS Class Desk via phonecon on 17 April to vote on the implementation of the two proposed TAMPS 6.1.1 ICNs.

TAMPS 6.1.1 COTS status. We received another Sybase Open Client Ada 10.0.3- 14 on 1 April. These Ada binding correlate to Sun Ada Compiler 3.0 (g).

The following activities are awaiting PMA-233 response as to whether ULTRA-2 assets will be provided to test TAMPS 6.1.1 or mitigate risk for TAMPS 6.2:

· F/A-18	(Two System Assets)
· SLAM	(Three System Assets)
· HARM	(One System Asset)
· GPS	(One System Asset)
· Terpes	(One System Asset)
· Advanced Systems	(Three Systems Assets)

In-Service Support Engineering

Logistics. We completed a review of the TAMPS 6.1.1 Ultra 2 system determining the maintenance philosophy. Spares calculations are in process, based on this philosophy.

TAMPS 6.2

by C.J. Witkowski/Sandy Long

Programmatics

All SORs are being worked. We had a TIM to discuss issues within MPLAN and how they effect guard.

A TOPSCENE interface will be included in 6.2.

Sandy Long and Mary Collins attended an MIDB 2.0 development conference in *Hawaii.*

There is an engineering off-site scheduled for 9 April. Sandy Long and CJ will attend the SLAM-ER design review 8 April.

Systems Engineering

Participated in last week's highly successful FUIWG. We defined STR inputs and concurred with HMI design.

STR inputs are being coordinated with other STR lists to produce a final list by 18 April.

Testing

TAMMAC

by Richard Busse

Still actively working a compromise to address the interface of the TAMMAC Core Extension with TAMPS Core. We have received several iterations of comments from the TAMPS Core and TAMMAC Core Extension teams and believe that we are near closure on this issue.

A TAMMAC financial statement (monthly) was prepared for PMA-209. This is in the chop cycle and will be released by the end of the week.

Reviewed the TAMMAC Digital Map Set Database Design Document. We are concerned about the proposed use of proprietary data formats for symbol sets and data frames for the TAMMAC avionics hardware. We have provided a list of our concerns to the TAMMAC Class Desk.

TAMPS 7.0

by Micheline Lopez-Estrada/Dave Pearson

Systems Engineering

We are still in work on developing a systems engineering strategy of the joint development portion for concurrence of Air Force AFMSS Program office.

N-PFPS. We will be briefing OPTEVFOR and coordinating a test strategy for Navy-PFPS.

FOREIGN MILITARY SALES

by Oreta Stinson/Paola Carrasco

Testing

There will be an FMS Review meeting held at Point Mugu on 1 May from 0830-1330. Representatives from the E-2C and TAMPS Program Offices will be among the participants who attend to discuss status on hardware configuration, hardware procurement, software development, and training.

We have made progress in the area of sample data for the IDB and NID databases on the French TAMPS system. All databases have been established and the tables are being populated. The software developers and testers are also preparing for the upcoming Peer Review.