

**Meeting Report for the
Joint Mission Planning System (JMPS)**

C3/Recce

Warfare Area User Requirements Group (WAURG) Meeting

Held on

18 April – 20 April 2000

24 April 2000

**Submitted in Accordance
with**

**Naval Air Warfare Center- Weapons Division
Engineering Support Services for JMPS Version Two**

Prepared for

**Level Two JMPS Version Two IPT Lead
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1. Overview

The Joint Mission Planning System (JMPS)-Combat Planning C3/Recce Warfare Area Users' Requirements Group (WAURG) meeting was held at the CSCI Headquarters, Springfield, Virginia, on 18-20 April 2000. The purpose of the meeting was to have Fleet User input/validation into the JMPS Combat Planning C3/Recce requirements database.

2. Summary of Discussions

18 April 2000

0900 – Welcome Remarks/Site Overview

- After preliminary administrative remarks by CSCI's Mr. L. Hoyt, Mr. BJ Ramsay, Requirements IPT Lead for PMA-233, discussed the purposes of the WAURG process to the attendees.
 - o What we really need for MP in the C3/Recce environment
 - o Need to differentiate between user & systems requirements
 - Users
 - UPC Developers

0910 – Overview: Mr. Hoyt provided the assembly with an overview of the next several days.

- Provided Rules of the Road for the WAURG
- Discussed agenda
 - o Day One
 - o Day Two
 - o Day Three
- Introduction of the JMPS V2 Team
- Background of WAURG Process Explained
- Introduction of the Participants
 - o Users (E-2C, , P-3, UAV and E-6 users)
 - o UPC Developers
- Re-emphasized User vs. System Requirements Capture Process

0925 – User Requirements Capture Process

- ***“Future Requirements Capture: Common Process, Coordinated Execution Briefing”*** – Briefer: Mr. Hoyt (This briefing is available on the website)
 - o Overview
 - Goal
 - User defined system
 - Traceable requirements
 - Mind set
 - Systematic Approach
 - Qualified, stable approach
 - Gathering correct requirements is just the first step

- Common Process Coordinated Execution
 - Coordinated & Continuous Communications
 - USN/USMC/USAF/SOF
 - Common vs. Unique Platform Requirements
- Overview of the Process
 - TDD Process –a comprehensive mission planning task model
 - Generate comprehensive MP task process
- Air Force Warfare Areas -
- Navy Warfare Areas - 12 areas
- User Requirements Capture Process
 - Source Documentation =>Extracted User Need Statements => Task Decomposition Diagram (TDD) (Task Blocks) => Formal User Requirements Statements => WAURG
 - WAURG Conference Events
 - Review preliminary analysis
 - Validate/Edit the User Requirements Data Base
 - Achieve consensus of requirements associated with a warfare area
 - Updates to the C3/Recce CONOPS
 - Prioritize requirements by platforms &mission criticality
 - Attach need dates
 - WAURG Discussed
 - WAURG Voting for requirements prioritization
 - WAURG Output
 - Products
 - User Requirements Database (URDB)
 - Traceable Requirements
 - Identification of common, unique requirements
 - TDDs
 - JMPS MP CONOPS Support
 - Functionality Roadmaps
 - Value Added
 - User accepted & desired product
 - Sense of user “ownership”
 - Identification and consolidation of common requirements
 - Ensure robust object model
 - Similar WAURGs handled concurrently (pre-JRB)
 - Schedule of events
 - Maritime
 - Interdiction/Counter-Air
 - Expeditionary Ops
 - EW
 - C3/Recce

- Remaining warfare areas will be covered throughout the Summer 00
 - Air Force Schedule of Events
 - Presentation to JRB in early May 00
 - Post WAURG, AF & Navy will compare databases – “What’s common?”
 - Presented to JRB for validation
- Points of Contact
 - Navy
 - Air Force

1015 Documentation Review – Nancy Adamyk

- P-3 Documents
- UAV Documents
- C3 & Recce JMPS CONOPS
- E-2 Documents (none were available prior to the WAURG)
- Naval Warfare and Joint Publications

1030 – JMPS Task Decomposition Process – A Structured Analysis Approach – Briefer: Mr. L. Hoyt (This briefing is available on the website)

- A process of capturing what you do when you mission plan
- The Big Picture – What are we trying to do?
 - Capture user requirements for combat planning and beyond
- Approach
 - Structured Analytical Approach
 - 3 rules: Model, Defined set of rules, traceability
- Why do it this way?
 - Repeatability
 - Areas of commonality
 - Requirements must be identified by the users
- TDD Fundamentals
 - High level view of all tasks that must be accomplished to conduct mission planning
 - Model starts with general tasks & decomposes these tasks hierarchically to show greater detail
 - General tasks
 - No task is more important than any other
- TDD Fundamentals -What it is NOT
 - Not a design of JMPS itself
 - Not a sequential flowchart
 - No prioritization is implied by the task block placement in the TDD
- TDD Rules
 - User requirements only
 - Not a flowchart
 - No task ever repeated
 - Think in general terms

- Your Role in the Process
 - o Divided into working groups
 - o Check our work so far
 - o Make your changes to the TDD
 - o Give us feedback on the approach
- How to Make Changes
 - o Every Group assigned a color
 - o Fill out TDD Worksheet for each additional or change your group wants to make.
 - o Initial work finished by noon Wednesday, and present proposed changes on Wednesday afternoon.
 - o Final work presented on Thursday morning.
- Top Level Description
 - o Tasking
 - o Research & Analysis
 - o Plan Construction
 - o Coordination, Collaboration & Communication
 - o Plan Execution
 - o Post Mission Reporting
 - o Mission Planning Environment
- Check it out

1045 Breakout Session # 1 (TDD Definition Review (Sections 1-7))

1150 Lunch

1300 Instructions for Session # 2

Ms. Adamyk reviewed making changes to the TDD structure and how to annotate the changes using colored 'stickies' and worksheets. Mr. Hoyt reviewed the procedure for the users to use in reviewing the TDD.

1305 Session # 2

- Review Source Document Mapping
- Appendices A(C3) and H (Recce) NWP3-03.4(NSAWC pub) and UAV Documents

1715 Adjourned for the day

19 April 2000

0900 – Breakout Session # 2 – Mr. L. Hoyt, CSCI

- Mr. Hoyt instructed the two groups, C3 & Recce, to continue reviewing the TDD chart for additions/edits.
- The E-2C and P-3 users were assisted throughout the day by Ms. Adamyk, Mr. Espitia, Ms. Garcia, Mr. Hoyt, LT. McCormack, and Ms. Ramirez. Mr Espitia assisted the E-6 representative, LT Fields, in the procedures required to develop an E-6 Appendix for the JMPS CONOPS.

1200 – Lunch

1300 – Breakout Session # 3

- The C3/Recce groups continued to review/edit/modify the TDD listings for their specific mission areas

1700 –Adjourned

20April 2000

0840 Admin Remarks – Mr. Hoyt assembled all of the E-2C users and reviewed the status of the C3 WAURG requirements collection effort to date. The following issues were discussed:

- (1) Status of the TDD Changes
- (2) Identification of the TAMPS critical items
- (3) A review of the C3worksheets
- (4) Status of Appendix A, the JMPS C3 CONOPS re-write

LTs John Hewitt & Trever Lange were designated as the POCs for the C3 CONOPS appendix re-write. A final review of the appendix will be done by LT Richard Nevitt. The deadline for this effort is 28 April 00.

Mr. Hoyt reviewed the Mission Critical voting and announced the results would be posted on the MPS web site.

C3/Recce WAURG Attendance listing is on the MPS Web site.

The C3/Recce Source Documents listing will be updated and the pertinent documents will be forwarded to NAWCWD. LT Neill will help coordinate this effort.

Mr. Hoyt has an action item to FEDEX the NSAWC NWP3-04.3 to NAWCWD.

The C3/RecceWAURG Critique sheets have been collected.

Mr. Hoyt notified the group that the TDD/URDB listing would be posted on the MPS web site.

This concluded the meeting with the E-2C operators.

1145 Lunch

1245 Admin Remarks – Mr. Hoyt assembled the P-3 users and reviewed the status of the Recce WAURG requirements collection effort to date. The following issues were discussed:

- (1) Status of the TDD Changes – Worksheets Completed
- (2) Identification of the TAMPS critical items – Done
- (3) A review of the Recce JMPS CONOPS – LCDR Glaeser & LT Biltoc are the POCs for ensuring the CONOPS is reviewed by the cognizant personnel. Specifically, LT Biltoc will coordinate a response with the EP-3 reps, and P-3 Special Projects. Nancy Adamyk will also contact PMA-290 (EP-3), LT Clark Huffman, to determine if he would like to review the Recce appendix. Due date: 28 April 00

- (4) TDD Wall chart review – done
- (5) Mission Critical Requirements Voting – Complete by COB April 20, 2000.
- (6) Source Document Review –
 - i. LT Biltoc will review the remaining Ground Support System Operational Concept Description (OCD) (P-3 Special Projects) document
- (7) Critique Sheets - Done
- (8) Misc.
 - i. Ms. Knudson, SPAWAR, raised the issue of software architecture as it pertains to FMS. Specifically, she wanted to know if any allowances were being made in the P-3 software to facilitate the removal of capabilities not releasable in FMS. Mr. Hoyt answered that he'd act as the liaison between her and LCDR D. Gay.
 - ii. Mr. Hoyt requested that the P-3 reps be included in the upcoming Weapons Planning review scheduled for May 00 at NAWCWD Pt. Mugu.

3. Action Items

The following actions items were identified:

Action Item	POC	Status
Update JMPS CONOPS Appendix A, for E-2C team	LTs Rick Hewitt & Trever Lange	Open/ Due 28 April 00
FEDEX NWP 3-04.3 to NAWCWD	Mr. Lance Hoyt	Open
Review of P-3 Special Projects GSS document for Recce requirements	LCDR K. Glaeser & LT. C.Biltoc	Due 28 Apr 00
Provide Ms. Knudson with PMA-233 Class Desk Officer's phone number to resolve FMS software issue	Mr. Lance Hoyt	Open
Update JMPS CONOPS Appendix H, for F/A-18/F-14 team	MAJ Robert Dukes LCDR Drew Swenson	Due 20 Apr 00
Update JMPS CONOPS Appendix H, for P-3 team. Have EP-3 personnel review for their requirements	LCDR K. Glaeser & LT. C.Biltoc	Due 28 Apr 00
Update JMPS CONOPS Appendix H, for UAV team	Mr. William Katz	Due 5 May 00
Update JMPS CONOPS Appendix H, for E-6	LT L. Fields	Open; to be reviewed through Strategic Communications Wing ONE

4. Next Scheduled Meeting

This is the last formal WAURG. Requirements meetings to address Training, CSAR, Aerial Refueling, and Cargo will be addressed in individual meetings with selected operators.

5. Attendees

The following is a listing of the attendees.

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