

Subject: ETS MPS/Aura Engineering Release 3.2 Delivery
Date: Fri, 23 Aug 2002 16:12:12 -0400
From: "Ernest Quintin" <equintin@csc.com>
To: wfuller@pop500.gsfc.nasa.gov

Willie,

This memo documents the delivery of Release 3.2 of the ETS Multimode Portable Simulator for Aura (MPS/Aura). This engineering release delivery provides a resolution to Discrepancy Report (DR) SMOdr17669, as detailed in Attachment A and in the ESDIS DR Tracking Tool (DRTT).

There are three attachments to this letter:

Attachment A describes the DR and provides installation instructions for this release.

Attachment B contains an updated release history summary matrix.

Attachment C contains an updated Mission Systems Configuration Management (MSCM) form.

The updated software executable modules are being delivered on CD-ROM. Two copies of the CD are being given to Guy Cordier, who will forward one copy to Raytheon at Denver and will use the other for installation on the MPS simulator PCs in the Bldg 32 EOS ISR and LSR, and in Room S9, at GSFC. The updated software is also being made available to the Bldg 25 Simulations Operations Center (SOC), in the event that the SOC is needed to support upcoming Aura data flows.

There are no User's Guide updates for this release.

If you have any questions about this delivery, please do not hesitate to contact me or Estelle Noone.

Ernest Quintin
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Attachment A – MPS/Aura Release 3.2 Delivery Contents and Installation Instructions

The changes made to the MPS/Aura software since the delivery of Release 3.1 are in response to the following Discrepancy Report (DR):

DR: SMOdr17669 (ETS0466) Related NCR: Submitted: 020820
Status: NEW Class: ETS

Title: Instrument APIDs are one byte too short

SUBMITTAL INFORMATION

Project: ETS
DR Type: Problem
Rel/Ver: 3.1
Subsystem: Aura
Module: Simulator
Affected-Requirement:
Test Phase: in-field use
Severity: 2
Date found: 020819
Location: Denver
Submitter: Ernest Quintin
Organization: ETS Dev Group
Phone number: 301-805-3649
Email: equintin@csc.com

***** Problem (Added 020820 by equintin) *****

All instrument APIDs produced by MPS/Aura Rel. 3.1 are an odd length, being one byte too short. This causes problems with packet receipt at EMOS.

This problem was first reported by Tom Ha and Paul Helgoth of Raytheon at Denver.

The changed modules are:

Executable Module	Files
SCAURA.dll	TlmDatabase.cpp
nett.properties	Client properties description file.
property.txt	Server properties description file.

Installation Instructions

NOTE: MPS/Aura Release 3.1 must be installed prior to installing this software.

The changed executable modules are contained within three folders on the delivered CD.

To install this release:

- navigate to the *Server* folder on the CD, select *SCAURA.dll*, and copy it to the *C:\Program Files\CSC\Aura Sever 3.1* folder, replacing the file of the same name.
- navigate to the *Server\properties* folder on the CD, select the *property.txt* file, and copy it to the *C:\Program Files\CSC\Aura Sever 3.1\properties* folder, replacing the file of the same name.
- navigate to the *Client/properties* folder on the CD, select the *nett.properties* file, and copy it to the *C:\Program Files\CSC\Aura Server 3.1\properties* folder, replacing the file of the same name.

Attachment B - Release History Summary Matrix

Attached is the MPS/Aura simulator release history summary matrix, updated to reflect the MPS/Aura Release 3.2 delivery. Modules inherited from the SIMSS baseline have the SIMSS Release Number, while the MPS/Aura modules EOSGS and SCAURA have the current MPS/Aura Release Number.

Release History Summary Matrix

System: **MPS/Aura**

Release Number		1.0	2.0	3.0 Beta	3.0	3.1	3.2							
Delivery Date		3/16/01	6/15/01	9/28/01	1/11/02	8/9/02	8/23/02							
Configuration Item	CI No.													
Core (Client)	1.1	4.0	4.1	5.0	6.0	6.0	6.0							
Core (Server)	1.2	4.0	4.1	5.0	6.0	6.0	6.0							
SCAURA (Client)	1.3	1.0	2.0	3.0	3.0	3.1	3.2							
SCAURA (Server)	1.4	1.0	2.0	3.0	3.0	3.1	3.2							
EOSGS (Client)	1.5	1.0	2.0	3.0	3.0	3.0	3.0							
EOSGS (Server)	1.6	1.0	2.0	3.0	3.0	3.0	3.0							
IP Input (Client)	1.7	4.0	4.1	5.0	6.0	6.0	6.0							
IP Input (Server)	1.8	4.0	4.1	5.0	6.0	6.0	6.0							
IP Output (Client)	1.9	4.0	4.1	5.0	6.0	6.0	6.0							
IP Output (Server)	2.0	4.0	4.1	5.0	6.0	6.0	6.0							
Logging (Client)	2.1	4.0	4.1	5.0	6.0	6.0	6.0							
Logging (Server)	2.2	4.0	4.1	5.0	6.0	6.0	6.0							

Delivery Date		3/16/01	6/15/01	9/28/01	1/11/02	8/9/02	8/23/02							
Configuration Item	CI No.													
Scenario (Client)	2.3	4.0	4.1	5.0	6.0	6.0	6.0							
Scenario (Server)	2.4	4.0	4.1	5.0	6.0	6.0	6.0							
Serial Input (Client)	2.5	4.0	4.1	5.0	6.0	6.0	6.0							
Serial Input (Server)	2.6	4.0	4.1	5.0	6.0	6.0	6.0							
Serial Output (Client)	2.7	4.0	4.1	5.0	6.0	6.0	6.0							
Serial Output (Server)	2.8	4.0	4.1	5.0	6.0	6.0	6.0							
TxFile (Client)	2.9	4.0	4.1	5.0	6.0	6.0	6.0							
TxFile (Server)	3.0	4.0	4.1	5.0	6.0	6.0	6.0							
vcProcessor (Client) ¹	3.1		4.1	5.0	6.0	6.0	6.0							
vcProcessor (Server) ¹	3.2		4.1	5.0	6.0	6.0	6.0							

¹ Added with Release 2.0

Attachment C — Mission Systems Configuration Management Form

This attachment contains the completed Mission Systems Configuration Management (MSCM) form for the delivery of MPS/Aura Release 3.2.

Mission Systems Configuration Management Form

<u>1. ORIGINATOR</u> Estelle Noone	<u>2. ORGANIZATION</u> CSC	<u>3. PHONE</u> 301-805-3653	<u>4. E-MAIL ADDRESS</u> enoone@csc.com		
<u>5. ELEMENT</u> ETS (MPS/Aura)		<u>6. INSTALLATION PRIORITY</u> Routine	<u>7. TRACKING NUMBER</u> (Assigned by CM Office)		
<u>8. SOURCE CHANGE REQUEST(S):</u> ETS delivery of MPS for EOS Aura (MPS/Aura)		<u>9. APPROVALS</u> Element Manager _____ / / Flight Ops Director _____ / / Operations Manager _____ / /			
<u>10. DELIVERED SYSTEM</u> (Check all that apply)					
	Name	Version	Media Identification	Identification Date	
<input type="checkbox"/>	Hardware	_____	_____	_____	
<input checked="" type="checkbox"/>	Software	MPS/Aura	R3.2	CD-ROM	08/23/02
<input type="checkbox"/>	Database	_____	_____	_____	
<input checked="" type="checkbox"/>	Documentation:				
	MPS/Aura delivery package	N/A	via email	08/23/02	
	_____	_____	_____	_____	
	_____	_____	_____	_____	
<input type="checkbox"/>	Other	_____	_____	_____	
<u>11. CHANGE DESCRIPTION</u> Release 3.2 of MPS/Aura					
<u>12. ATTACHMENT(S):</u> Check if YES <input checked="" type="checkbox"/> Description: MPS/Aura Release 3.2 delivery package (cover letter with attachments) dated 08/23/02					
<u>13. CM OFFICE USE</u>					
	Location (Bldg/Room)	Slot location(s)			
Hardware	_____ / _____	_____			
Media	_____ / _____	_____			
Documentation	_____ / _____	_____			
Installation date	_____ / _____ / _____	CM Office Signature _____			

Form MSCM (970327)