

REQUEST FOR ACTION (RFA)

1. Review Type STS-116 ORR		2. RFA No. RFA-01		3. Review Date November 1, 2006					
4. Title Guam TV									
5. Action Resolve STS RFICD issue with respect to the "Guam TV" issue (may also affect systems other than Guam). Document actual characteristics/capabilities and, assuming GSFC and JSC agree, document go forward plan to accept (live with) the known problem.									
Reference Lesley Rahman ORR slide 15.									
6. Originator/Organization/Telephone No./E-mail Madeline Butler/GSFC/301-286-4806/ Madeline.j.Butler@nasa.gov									
7. Assigned To/Organization/Telephone No./E-mail Lesley Rahman/GSFC/HTSI				Due Date 11/29/06					
8. Response GSFC submitted a suggested change to the STS RF ICD (ICD-2-0D004 Rev E) Page 72, Figure 4-21.1 NOTES – TELEVISION COMPOSITE VIDEO WAVEFORMS. A note 17 should be added under GENL NOTES in the figure as follows: 17. When an asynchronous source is selected as input to the Orbiter closed circuit television (CCTV) system that is configured for synchronous operation the resulting video signal will contain time code data signal that will scroll through the video signal and create a television downlink signal that does not meet NTSC standards. GSFC submitted a change to the STS OPS Flight PRD, Volume 1 to add the same description to DBR's 34660 (GN) and 353030 (SN) television requirements stating that support for this type of downlink will be on a best effort basis.									
9. Response By/Organization/Telephone No./E-mail Fred Pifer/HSF/NENS/HTSI; 301-805-3335; fred.pifer@gsfc.nasa.gov				Date Prepared 11/28/06					
10. Originator Contacted		No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>		Date 11/29/06					
11. Disposition		<input type="checkbox"/> Open		<input type="checkbox"/> Deferred		<input checked="" type="checkbox"/> Closed		<input type="checkbox"/> Withdrawn	
12. Comments RFA-01 will be closed. AI STS-116-ORR-03 will remain open to track the progress of the documentation as it moves through the system.									
13. Approval  _____						12-5-06 Date			

REQUEST FOR ACTION (RFA)

1. Review Type STS-116 ORR		2. RFA No. RFA-02		3. Review Date November 1, 2006	
4. Title Guam TV					
5. Action Negotiate troubleshooting and workaround plans with JSC to specifically address whether or not to break the "working" Guam TV link in advance of STS-116 (to test the two new Frame Syncs being delivered to Guam). Address the trade-off between living with a known bad Line 19 problem on one side versus the risk of breaking a configuration that works for unknown reasons and possibly being unable to successfully go back to the "working" configuration. Address both CDS-44037 and CDS-44096 in the troubleshooting and workaround plans.					
Reference Lesley Rahman ORR slide 15.					
6. Originator/Organization/Telephone No./E-mail Josef Wonsever/GSFC/301/Josef.a.wonsever@nasa.gov/301-286-5648					
7. Assigned To/Organization/Telephone No./E-mail Lesley Rahman/GSFC/HTSI				Due Date 11/29/06	
8. Response Post mission testing from Guam to WSC to GSFC with an STS-115 video recording was conducted on 10/26/06. Results indicated that 1 of 2 frame synchronizers at Guam could not process the scrolling time code signal. The second unit experienced unrelated diction of the video signal but processed the scrolling time code video without dropping synchronization. JSC concurred with a plan to replace both units with spares to be provided by GSFC. The replacement units were switched out and tested on 11/14/06. Both units successfully passed the scrolling time code video during internal testing and during a test with GSFC on 11/21/06. A final Guam Verification/Validation Test was completed successfully on 11/28/06. Based on the test results we expect to provide acceptable support STS-116 with the new units.					
9. Response By/Organization/Telephone No./E-mail Fred Pifer/HSF/NENS/HTSI; 301-805-3335; fred.pifer@gafc.nasa.gov				Date Prepared 11/28/06	
10. Originator Contacted		No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>		Date 11/29/06	
11. Disposition		<input type="checkbox"/> Open		<input type="checkbox"/> Deferred	
		<input checked="" type="checkbox"/> Closed		<input type="checkbox"/> Withdrawn	
12. Comments					
13. Approval					
				12-05-06	
				Date	

REQUEST FOR ACTION (RFA)

1. Review Type STS-116 ORR	2. RFA No. RFA-03	3. Review Date November 1, 2006
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4. Title A/G-1 NTD Issue

5. Action Work with MILA and KSC CD&SC to understand why the STS-115 Flight Crew heard the NASA Test Director (NTD) on the A/G-1 during the launch phase. This item was reported by the crew post flight. If this issue was not documented (DR., etc.), determine cause/corrective action to ensure future issues are documented.

Reference

6. Originator/Organization/Telephone No./E-mail Gary. Morse/HQ Space Comm/321-867-3514/Gary.A.Morse@nasa.gov
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7. Assigned To/Organization/Telephone No./E-mail Monique McLamb/KSC and Melissa Blizzard/MILA	Due Date 11/07/06
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8. Response Sequence of Events: 1. The MILA Shift supervisor announces SRB ignition on an internal MILA loop (the NTD was speaking during this announcement). 2. Upon receipt of the above announcement the MILA comm tech manually pushes 4 buttons to inhibit talk on all A/G circuits. (S0007 OMI ver A04 vol 2 step 16-1162) 3. The MILA Comm Tech verbally reports (locally) that A/G's are inhibited After reviewing the voice tapes it has been determined that all action taken at MILA to inhibit A/G-1 after SRB ignition was performed in a timely manner. MILA's recommendation is that beginning at SRB ignition the NTD refrain from speaking on OIS-212 (provided all conditions are nominal) until advised by MILA that the A/G's have been inhibited. This step can be added to the OMI if the NTD concurs. Ms. Blizzard spoke with NTD Jeff Spaulding and he said that he would add a step to the OMI for MILA to confirm that KSC A/G's are disabled. The change to the OMI (see attached) has been submitted, approved, and released as a Dev.

9. Response By/Organization/Telephone No./E-mail Melissa Blizzard/NENS HTSI/321-867-1068/Melissa.blizzard@honeywell-tsi.com	Date Prepared 11-06-2006
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10. Originator Contacted	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes	Date 11/29/06
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11. Disposition	<input type="checkbox"/> Open	<input type="checkbox"/> Deferred	<input checked="" type="checkbox"/> Closed	<input type="checkbox"/> Withdrawn
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12. Comments

13. Approval 	 12/05/06 Date
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