

ECS Configuration Change Request

1. Originator Douglas M. Smith	2. Log Date: 9/18/98	3. CCR #: 98-1020	4. Rev: -	5. Tel: (301)883-4072	6. Off: 2141	7. Org. FOS
8. Title of Change: Communication Links Between SSIM (Bldg. 1) and FOS EOC						
9. Originator Signature <i>Douglas M. Smith</i>		10. Date: 9/17/98	11. Class <i>II</i>	12. Type: CCR	13. Need Date: 9/22/98	
14. Office Manager Signature <i>JMB Brandt</i>		15. Date: 9/17/98	16. Date CCB Decision Needed: 9/18/98	17. Category of Change: Other	18. Priority: Emergency	
19. Documentation/Drawings Impacted: <i>NA</i>			20. Schedule Impact:		21. CI(s) Affected:	
22. Release Affected:		23. Date due to Customer: 9/22/98	24. Impl. Date: 9/18/98	25. Effectivity of Change:	26. Est. Cost None	
27. Source Reference: <input type="checkbox"/> NCR (attach) <input type="checkbox"/> Action Item <input type="checkbox"/> GSFC CCR <input type="checkbox"/> Tech Ref. <input type="checkbox"/> Other:						
28. Description of Change: (use additional Sheets if necessary) Software has been written for the SSIM spacecraft simulator in the Flight Software Test Bed in Building 1 at GSFC to provide multicasting from the SSIM to the FOS EOC. The GSFC Network group has said that every router on campus is configured for multicast routing, however, the FDDI Hub that connects the FOS EOC to the GSFC ISOLAN currently is not configured for multicast routing.						
29. Proposed Solution: (use additional sheets if necessary) Because of the urgency of this request, configure the SPARC 2 connected to the SSIM and a Sun (droopy) in the FOS EOC to tunnel the multicast packets through a point-to-point connection and to multicast messages on their respective LANs that are received from each other. Also, determine how to configure the EOC FDDI Hub for multicast routing and confirm there will not be any adverse effects. Then, implement mutlicast routing on the EOC FDDI Hub after it is upgrade with the Fore Systems Power Hub 8000.						
30. Alternate Solution: (use additional sheets if necessary) Implement multicast routing on the EOC FDDI Hub (Power Hub 7000) by 9/22/98 and determine if there are any adverse effects (e.g. duplicate multicast packets).						
31. Consequences if Change(s) are not approved: (use additional sheets if necessary) FOS will continue to fight for scheduling time with the current spacecraft simulators. The software written for the SSIM will be useless. Alan Johns will not be happy.						
32. Does Change Affect Any of the following (Please Explain on additional sheet): <input checked="" type="checkbox"/> Maintenance Training <input type="checkbox"/> Performance <input checked="" type="checkbox"/> Operation Training <input type="checkbox"/> Safety <input type="checkbox"/> Service <input type="checkbox"/> Support <input checked="" type="checkbox"/> Test <input type="checkbox"/> Baseline (XRP) <input type="checkbox"/> Y2K Compliance						
33. Organization(s) Affected: <input type="checkbox"/> CM <input type="checkbox"/> Clearcase SG <input type="checkbox"/> Contracts <input type="checkbox"/> Chief Eng <input checked="" type="checkbox"/> FOS <input type="checkbox"/> M&O <input type="checkbox"/> QO <input type="checkbox"/> Rel Dev <input type="checkbox"/> Procurement <input type="checkbox"/> RTSC <input type="checkbox"/> Sci. Data Eng <input type="checkbox"/> Security <input type="checkbox"/> Sys. Dev. <input type="checkbox"/> Sys. Eng. <input type="checkbox"/> Sys Verf Acpt <input type="checkbox"/> Other						
34. Site(s) Affected: <input type="checkbox"/> EDF <input type="checkbox"/> Mini-DAAC <input type="checkbox"/> VATC <input type="checkbox"/> EDC <input type="checkbox"/> GSFC <input type="checkbox"/> LaRC <input type="checkbox"/> NSIDC <input type="checkbox"/> SMC <input type="checkbox"/> AK <input type="checkbox"/> JPL <input checked="" type="checkbox"/> EOC <input checked="" type="checkbox"/> Other Flight Software Test Bed in Building 1 at GSFC						
35. Board Comments:					36. Work Assigned To: <i>FOS</i>	
37. Release Authorized (For CM Use Only): <input type="checkbox"/> Yes <input type="checkbox"/> No			38. CM Verified/Signature and Date			
39. EDF/REL2 CCB Chair (Sign/Date): <i>TWf mka</i> 9/18/98		40. Disposition: <input checked="" type="checkbox"/> App <input type="checkbox"/> Ap/C <input type="checkbox"/> DisApproved <input type="checkbox"/> Withdraw <input type="checkbox"/> Fwd/ECS <input type="checkbox"/> Fwd/ESDIS		41. ESDIS ERB Concurrence:		
42. ECS CCB Chair (Sign/Date):		43. Disposition: App <input type="checkbox"/> A/C <input type="checkbox"/> DisApproved <input type="checkbox"/> Withdraw <input type="checkbox"/>		44. CCR Closed Date:		

ORIGINAL