

ECS Configuration Change Request

1. Originator Chinmoy Datta	2. Log Date: 1/4/99	3. CCR #: 99-0002	4. Rev: -	5. Tel: x0467	6. Off: 3000Y	7. Org. Dev
8. Title of Change: Re-build protog2 with SGI Irix 6.5.2 and DCE 1.2.2 for Stability Lab Purify support						
9. Originator Signature <i>Satta</i>	10. Date: 1/4/99	11. Class	12. Type: CCR	13. Need Date: 1/15/99		
14. Office Manager Signature <i>S. Swab</i>	15. Date: 1/4/99	16. Date CCB Decision Needed: 1/5/99	17. Category of Change: EDF	18. Priority: Urgent		
19. Documentation/Drawings Impacted: None		20. Schedule Impact: N/A		21. Cl(s) Affected:N/A		
22. Release Affected: N/A	23. Date due to Customer:N/A	24. Impl. Date: 1/5/99	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) Purify does not work on SGI IRIX 6.2 due to the CMA Threads implementation. IRIX 6.5 and later versions support native thread which would enable Purify to be used for memory debugging efforts. Sarah Lewallen has already requested IRIX 6.5.2 and DCE 1.2.2 from the vendor and is expecting delivery on 1/4/99. Alex Swab has requested Clearcase 3.2.1 from the vendor (ETA not available at this time).						
29. Proposed Solution: (use additional sheets if necessary) 1. Install R4400 CPU and (at least) 2x2Gb hard disks in protog2. 2. Build protog2 (from scratch) with IRIX 6.5.2, MIPSPro 7.2.1, DCE 1.2.2, Clearcase 3.2.1 and all usual mounts and tools. 3. Configure at least 1Gb swap and DCE in the IDG cell (not relbdev). 4. Rename /usr/atria/bin/clearmake to /usr/atria/bin/clearmake.orig 5. Create a one line script to replace clearmake with the content <code>"/usr/atria/bin/clearmake.orig -FV -C gnu \$* "</code>						
30. Alternate Solution: (use additional sheets if necessary) Debug memory corruptions on SGI without Purify						
31. Consequences if Change(s) are not approved: (use additional sheets if necessary) Memory corruption debugging on SGI will not be easy						
32. Does Change Affect Any of the following (Please Explain on additional sheet): <input type="checkbox"/> Maintenance Training <input type="checkbox"/> Performance <input type="checkbox"/> Operation Training <input type="checkbox"/> Safety <input type="checkbox"/> Service <input type="checkbox"/> Support <input type="checkbox"/> Test <input type="checkbox"/> Baseline (XRP) <input type="checkbox"/> Y2K Compliance						
33. Organization(s) Affected: <input type="checkbox"/> CM <input checked="" type="checkbox"/> Clearcase SG <input type="checkbox"/> Contracts <input type="checkbox"/> Chief Eng <input type="checkbox"/> FOS <input type="checkbox"/> M&O <input type="checkbox"/> QO <input checked="" type="checkbox"/> Rel Dev <input type="checkbox"/> Procurement <input checked="" 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 checked="" 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 type="checkbox"/> EOC <input type="checkbox"/> Other						
35. Board Comments:				36. Work Assigned To:		
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):		40. Disposition: <input 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