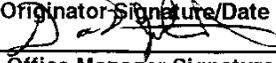
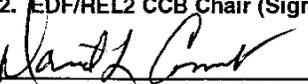


**ECS Configuration Change Request**

1. Originator David Johnston	2. Log Date: 8/24/99	3. CCR #: 99-0776	4. Rev: -	5. Tel: x1065	6. Rm #: 3000W	7. Org. Develop
8. Title of Change: Patch levels of SDSRV Development machine Iceland need to be updated due to a DCE backward incompatibility issue between DCE Patch Level 21 (June 1997) and DCE Patch Level CPL1 (May 1998)						
9. Originator Signature/Date  8/24/99		10. Class IN	11. Type: CCR	12. Need Date: 1999-08-27		
13. Office Manager Signature/Date 		14. Category of Change: EDF		15. Priority: (If "Emergency" fill in Block 28). Emergency		
16. Documentation/Drawings Impacted: None		17. Schedule Impact: High		18. CI(s) Affected:HDF EOS (SDSRV)		
19. Release Affected: 5B		20. Date due to Customer: 1999-08-24		21. Impl. Date: 1999-08-27		22. Estimated Cost: None
23. Source Reference: <input type="checkbox"/> NCR (attach) <input type="checkbox"/> Action Item <input type="checkbox"/> Tech Ref. <input type="checkbox"/> GSFC <input checked="" type="checkbox"/> Other: Test Machine off baseline, not useable as development machine						
24. Description of Change: (use additional Sheets if necessary) All subsystem libraries need to be updated, especially DCE library. Development personnel are building executables from build machines with a higher DCE Patch level than is resident on the SDSRV development machine iceland. Build platforms contain DCE patch level CPL1 (May 1998) while the dedicated SDSRV development resource, iceland is running DCE Patch level 21 (June 1997). This is a DCE backward compatibility issue which means that the HDF EOS servers will not run on iceland with the executables created on a machine with DCE Patch Level CPL1. The SDSRV HDF EOS server when run on Iceland reports DCE run-time errors.						
25. Proposed Solution: (use additional sheets if necessary) Update Iceland OS and DCE patch levels to match baseline machines. Currently baseline machines contain DCE Patch Level CPL1, and approximately 156 patches overall, while the iceland machine contains DCE Patch Level 21, and contains approximately 43 patches.						
26. Alternate Solution: (use additional sheets if necessary) SDSRV developers conduct code and unit testing on Functionality Lab machines, thereby overloading these machines, impacting lab testing. Each developer could potentially be running up to 3 copies of the HDF EOS servers [on lab machine dss3 for example], thereby slowing testing of 5B capabilities and NCR resolutions of 5A and 4PY problems.						
27. Consequences if Change(s) are not approved: (use additional sheets if necessary) Schedule impact to all development and testing SDSRV 5B capabilities, which will also effect the 5B integration test schedule. Potential and real schedule slips of the integration of Drop 5B software will be exacerbated by the failure to upgrade this existing procured resource for SDSRV development.						
28. Justification for Emergency (If Block 15 is "Emergency"): No other resources are available for testing SDSRV 5B capabilities, except for other ECS resources not allocated to development testing will be used. IDG will roll out a plan to upgrade all development machines to EDF levels, but since SDSRV servers can put tremendous strain on EDF machines (running up to 4 other modes), the iceland machine should lead this upgrade effort.						
29. 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"/> IDG Test Cell <input type="checkbox"/> Other						
30. Board Comments:				31. Work Assigned To:  RTSC		
32. EDF/REL2 CCB Chair (Sign/Date):  8/25/99		33. Disposition: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> A/C <input type="checkbox"/> Disapproved <input type="checkbox"/> Fwd/ECS <input type="checkbox"/> Fwd/ESDIS		34. (TBD)		
35. M&O CCB Chair (Sign/Date):		36. Disposition: <input type="checkbox"/> Approved <input type="checkbox"/> A/C <input type="checkbox"/> Disapproved <input type="checkbox"/> Fwd/ECS <input type="checkbox"/> Fwd/ESDIS		37. CM Manager's Closure:		
38. ECS CCB Chair (Sign/Date):		39. Disposition: <input type="checkbox"/> Approved <input type="checkbox"/> A/C <input type="checkbox"/> Disapproved		40. CCR Closed Date:		

**ORIGINAL**