ECS Configuration Change Request

1. Originator	2. Log Date:	3. CCR #:	4. Rev:	5. Tel:	6. Rm #:	7. Dept.
Paul E. Van Hemel	16 FEB 00	00.0122A	A	(301)925-1110	2011A	M&O

8. CCR Title: Update system backup configuration in the VATC and procedures for off-site storage of backup data

9. Originator Signature/Date	10. Class	11. Type:	12. Need Date: 02/15/99
Paul E. Van Hemel 2/16/00	II	CCR	

13. Office Manager Signature/Date	14. Category of Change:	15. Priority: (If "Emergency" fill in Block 28).
Kenneth L. Puckett 2/16/00	EDF (RTSC)	Routine

16. Documentation/Drawings Impacted:	17. Schedule Impact:	18. CI(s) Affected:
611-CD-510-001	N/A	MCI

19. Release Affected by this Change:	20. Date due to Customer:	21. Estimated Cost:
5A, 5B	April 2000	None - Under 100K

22. Source Reference: ☐NCR (attach) ☐Action Item ☒Tech Ref. ☐GSFC ☐Other:
214-CD-001-001 ECS Security Plan

23. Problem: (use additional Sheets if necessary)
ECS Security Plan, para. 6.2.3.4c. Backup Software Copies, requires that "At least two backup generations shall be maintained. The oldest generation will be stored at a secure off-site location for a 2-month period." Currently, there are no procedures or provisions for off-site storage; interim and full backups are written to a single Digital Linear Tape (DLT) volume group. There are insufficient tapes to permit cloning of the full backup, removal of the cloned backup data from the autochanger, and storage off-site. The PVC is not configured to support set up and trial of these off-site storage concepts.

24. Proposed Solution: (use additional sheets if necessary)
Use the VATC to develop procedures to change the configuration of Legato Networker v.5.5 backup software to include separate volume groups for full and interim backups, indexes, and cloned full backups and indexes. Implement and assess the capability for removing cloned full backups and indexes for off-site storage. Verify the suitability of the procedures and capability for off-site storage of system backups in the PVC prior to its implementation at the DAACs.

25. Alternate Solution: (use additional sheets if necessary)

26. Consequences if Change(s) are not approved: (use additional sheets if necessary)
Continuation of current backup procedures, with backups stored only on the system, leaves the DAACs vulnerable to catastrophic loss of system configurations without recoverability. The Government customer will assess ECS configuration/performance as failing to meet requirements.

27. Justification for Emergency (If Block 15 is "Emergency"):

28. Site(s) Affected: ☐EDF ☒PVC ☒VATC ☐EDC ☐GSFC ☐LaRC ☐NSIDC ☐SMC ☐AK ☐JPL ☐EOC ☐IDG Test Cell ☐Other

29. Board Comments:	30. Work Assigned To:	31. CCR Closed Date:

32. EDF/SCDV CCB Chair (Sign/Date): Ma McDonald 2/21/00	Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS
33. M&O CCB Chair (Sign/Date):	Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS
34. ECS CCB Chair (Sign/Date):	Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS

ORIGINAL