ECS Configuration Change Request

1. Originator	2. Log Date:	3. CCR #:	4. Rev:	5. Tel:	6. Off:	7. Org.
Randy Haynes	11/20/98	98-1212	—	925-0932	2110F	SED

8. Title of Change: Change to the Ingest Hosts' Static Route Configuring Script

9. Originator Signature	10. Date:	11. Class	12. Type:	13. Need Date:
Randy Haynes	11/18/98	II	CCR	12/4/98

14. Office Manager Signature	15. Date:	14. Date CCB Decision Needed:	17. Category of Change:	18. Priority
Randy Bolinger	11/19/98	n/a	Other	Routine

19. Documentation/Drawings Impacted:	20. Schedule Impact:	21. CI(s) Affected:
N/A	none	

22. Release Affected:	23. Date due to Customer:	24. Impl. Date:	25. Effectivity of Change:	26. Est. Cost
REL2	n/a	12/4/98	n/a	None

27. Source Reference: ☒NCR (attach) ☐Action Item ☐GSFC CCR ☐Tech Ref. ☐Other:
18344

28. Description of Change: (use additional Sheets if necessary)
Recent DAAC SGI operating system patches have introduced disruption of the operating system boot process for the Ingest hosts at EDC. The referenced NCR indicates that the systems hang at boot time at EDC. SGI has recommended that the "static route" statements currently in startup script file /etc/init.d/network.local be moved to startup script file /etc/config/static-route.options. EDC implemented this change and demonstrated that the boot problem was fixed. Non-Ingest SGI hosts do not exhibit this boot problem because their network initialization script for static routes is not in the /etc/init.d/network.local file.

29. Proposed Solution: (use additional sheets if necessary)
For the three Ingest hosts at EDC, LaRC, and GSFC, implement SGI's recommendation. DAAC M&O staff are to make the modifications according to the Engineering Technical Directive (see attached).

30. Alternate Solution: (use additional sheets if necessary)
none

31. Consequences if Change(s) are not approved: (use additional sheets if necessary)
EDC's Ingest hosts will not reboot. LaRC and GSFC are at risk of having similar problems.

32. Does Change Affect Any of the following (Please Explain on additional sheet):
☐Maintenance Training ☐Performance ☐Operation Training ☐Safety ☐Service ☐Support ☐Test
☐Baseline (XRP) ☐Y2K Compliance

33. Organization(s) Affected: ☐CM ☐Clearcase SG ☐Contracts ☐Chief Eng ☐FOS ☒M&O
☐QO ☐Rel Dev ☐Procurement ☐RTSC ☐Sci. Data Eng ☐Security
☐Sys. Dev. ☒Sys. Eng. ☐Sys Verf Acpt ☐Other

34. Site(s) Affected: ☐EDF ☐Mini-DAAC ☐VATC ☒EDC ☒GSFC ☒LaRC ☐NSIDC ☐SMC ☐AK ☐JPL
☐EOC ☐Other

35. Board Comments:	36. Work Assigned To:

37. Release Authorized (For CM Use Only): ☐Yes ☐No	38. CM Verified/Signature and Date

39. EDF/REL2 CCB Chair (Sign/Date):	40. Disposition:	41. ESDIS ERB Concurrence:
11/23/98	☒App ☐Ap/C ☐DisApproved ☐Withdraw ☐Fwd/ECS ☐Fwd/ESDIS	

42. ECS CCB Chair (Sign/Date):	43. Disposition:	44. CCR Closed Date:
	App ☐ A/C ☐ DisApproved ☐ Withdraw ☐	

ORIGINAL

[redacted]

ECS Project

Engineering Technical Directive

No. 98-006

18 November 1998

Subject: Change to the Ingest Hosts' Static Route Configuring Script

The following directive is issued to GSFC, EDC, and LaRC DAACs.

Issue: The operating system boot process was changed by recent SGI patches, affecting the startup sequence of Ingest hosts by causing a system hang during the boot process. This technical directive provides the information necessary to avoid the boot hang by changing the location of the network static route definition scripts to the location recommended by SGI.

Fix:

1.0 General

This technical directive describes the modification needed on all SGI Ingest hosts. This modification may be done during normal system operation. Non-Ingest SGI hosts are not affected.

The static route statements currently existing in file /etc/init.d/network.local are to be commented out and then duplicated into file /etc/config/static-route.options.

2.0 Procedure Details

Execute the following steps for each Ingest host:

1. Login as root.
2. For each static route statement in file /etc/init.d/network.local, place a duplicate statement in file /etc/config/static-route.options. For example,
   route add default 198.118.204.65
   route add net 198.118.202.0 198.118.204.66
3. In file /etc/init.d/network.local, place a pound sign (#) in column one of every " route add ..." line duplicated in step 1.

Testing:

For each host, reboot the host and verify that the static route statements are according to baseline document 921-TDx-005. The routes may be listed by executing "netstat –rn" command

Implementation:

All Ingest hosts at GSFC, EDC, and LaRC DAACs as follows:

GSFC:
- g0icg01
- g0icg02
- g0icg03
- gvicgaa

EDC:
- e0icg01
- e0icg02
- e0icg03

LaRC:
- l0icg01
- l0icg02
- l0icg03

ORIGINAL

18 November 1998

Approved By: Joe Guzek
Chief Engineer 11/23/98

Reference CCR: 98-1212

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--------**End of Directive**-------

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