ECS/EMD Configuration Change Request

1. Originator	2. Log Date:	3. CCR #:	4. Rev:	5. Tel:	6. Rm #:	7. Org.
Brad Koenig	**10/18/04**	**04-0571**	**—**	301-925-0581	1146D	COTS SW

8. CCR Title: Release AMASS 5.3.3 Test Executable.

9. Originator Signature/Date	10. Class	11. Type:	12. Need Date: 10/19/04
Bradley S. Koenig /s/ 10/18/04	**II**	**CCR**	

13. CCR Sponsor Signature/Date	14. Category of Change:	15. Priority: (If "Emergency" fill in Block 27).
Pamela Johnson /s/ 10/18/04	Other	Routine

16. Documentation/Drawings Impacted *(Review and submit checklist):*	17. Schedule Impact:	18. CI(s) Affected: DRP
None - we are not documenting COTS to the daemon level		

19. Release Affected by this Change:	20. Date due to Customer:	21. Estimated Cost:
	10/19/04	None - Under 100K

22. Source Reference: ☒**NCR (attach)** ☐**Action Item** ☐**Tech Ref.** ☐**GSFC** ☐**Other:**
ECSed40785

23. Problem: (use additional Sheets if necessary)
Under load, AMASS and ACSLS are getting out of sync which is causing AMASS hangs.

24. Proposed Solution: (use additional sheets if necessary)
ADIC has provided replacement "ssid" and "libsched" binaries which need to be released to the DAAC's and installed on all Amass hosts. ADIC has also provided a new comand timeout feature which will be implemented via a new environmental variables flat file "/usr/amass/etc/amass.rc". The AMASS binaries have been tested for stability only in the PVC. See additional sheet for install instructions.
Cksum info: 2053840448 6932480 amassfix.tar

25. Alternate Solution: (use additional sheets if necessary)
None

26. Consequences if Change(s) are not approved: (use additional sheets if necessary)
Continued AMASS hangs at the DAACs causing production outages.

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. SCDV CCB Chair (Sign/Date): **Byron V. Peters /s/ 10/19/04**	**Disposition:** Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS
33. EDF 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

ADDITIONAL SHEET

CCR #: 04-0571 **Rev: — Originator:** Brad Koenig

Telephone: 301-925-0581 **Office:**

Title of Change: Release AMASS 5.3.3 Test Executable.

Download the file amassfix.tar to a local directory.

Implementation: Make the following changes to all Amass installations:

1. Backup AMASS.
3. Login as root.
3. Copy the amassfix.tar file to /var/tmp.
4. Change directory to the /var/tmp directory.
5. Explode the tar file using the command:
   # tar xvf amassfix.tar
6. Quiese all AMASS activity.
7. When activity has ceased, stop AMASS and the ssi daemons using the commands:
   # /usr/amass/tools/killdaemons -F

Note: Run the following command once for each ssi_daemon that is active.
   # /etc/init.d/stk_1 stop
   # /etc/init.d/stk_2 stop

8. Change directory to /usr/amass/daemons.
9. Rename the old libsched file using the command:
   # mv libsched libsched.533.orig
10. Copy the new file using the command:
   # cp /var/tmp/amass/libsched
   # chown amass:amass libsched
   # chmod 4755 libsched
11. Change directory to /usr/bin
12. Copy the old daemon files to backups.
   # mv /usr/bin/ssi_daemon_1 /usr/bin/ssi_daemon_1.orig
   # mv /usr/bin/ssi_daemon_2 /usr/bin/ssi_daemon_2.orig
13. Copy the new daemon using the commands:
   # cp /var/tmp/amass/ssi_daemon_ ssi_daemon_1
   # chown root:sys ssi_daemon_1
   # chmod 755 ssi_daemon_1
   # cp /var/tmp/amass/ssi_daemon_ ssi_daemon_2
   # chown root:sys ssi_daemon_2
   # chmod 755 ssi_daemon_2
14. Startup the stk daemons and verify they start using the commands
   # /etc/init.d/stk_1 start
   # /etc/init.d/stk_2 start
   # ps -ef | grep ssi

Note: You should see an ssi_daemon process for each start script executed.

15. Set up new command timeout feature using amass.rc file.
   #cd /usr/amass
   # mkdir etc
   # chown amass:amass etc
   # chmod 750 etc
   # cd etc
   # cp /var/tmp/amass/amass.rc amass.rc
   # chown amass:amass amass.rc
   # chmod 644 amass.rc

The following is the contents of the amass.rc file as delivered:

```
#
#  A M A S S . R C -
#
```

```
TMO_CLR_DRVLOCK=10          # ACSSA> Clear Drive Lock #
TMO_QRY_DRVLOC=10           # ACSSA> Query Lock Drive #
TMO_LOCKDRV=10              # ACSSA> Lock Drive #
TMO_UNLOCKDRV=10            # ACSSA> Unlock Drive #
TMO_MOUNT=360               # ACSSA> Mount Volume #
TMO_DISMOUNT=360            # ACSSA> Dismount Volume #
TMO_QRYDRV=10               # ACSSA> Query Drive #
TMO_QRYVOL=10               # ACSSA> Query Volume #
TMO_BULKLD=360              # AMASS> Bulkload #
TMO_BULKUNLD=360            # AMASS> Bulkoutlet #
TMO_QRYSERV=10              # ACSSA> Query Server #
TMO_QRYCAP=10               # ACSSA> Query Cap #
TMO_SETCAP=10               # ACSSA> Set Cap #
TMO_AUDIT=10                # ACSSA> Audit #
TMO_QRYACS=10               # ACSSA> Query Acs #
```

Note: The timeout values are in seconds. The timeout values for the individual ACSLS function calls may be modified to fit your environment. To modify a timeout value simply edit the /usr/amass/etc/amass.rc file and save. The parameters may be modified in real time by sending a SIGHUP to the libsched process id. You will see a message in the tac log: 'Caught signal: [1] will re-read amass.rc'.

16. If there is enough time, before starting AMASS, test it using the command:
    # /usr/amass/tools/install_tests
17. Startup AMASS using the command:
    #/usr/amass/tools/amass_start
18. Delete the installation files using the commands:
    # rm –rf /var/tmp/amassfix.tar /var/tmp/amass