Herschel/Planck Mini System Startup
File: C_GSP_MCS_MINI.xls
Author: F. Keck

Procedure Summary

Objectives

Starting the Cebreros Mini-MCS and Mini-NCTRS; either locally at
Cebreros or remotely from the DCR.

Summary of Constraints

n/a

Spacecraft Configuration

Start of Procedure

n/a

End of Procedure

n/a

Reference File(s)

Input Command Sequences

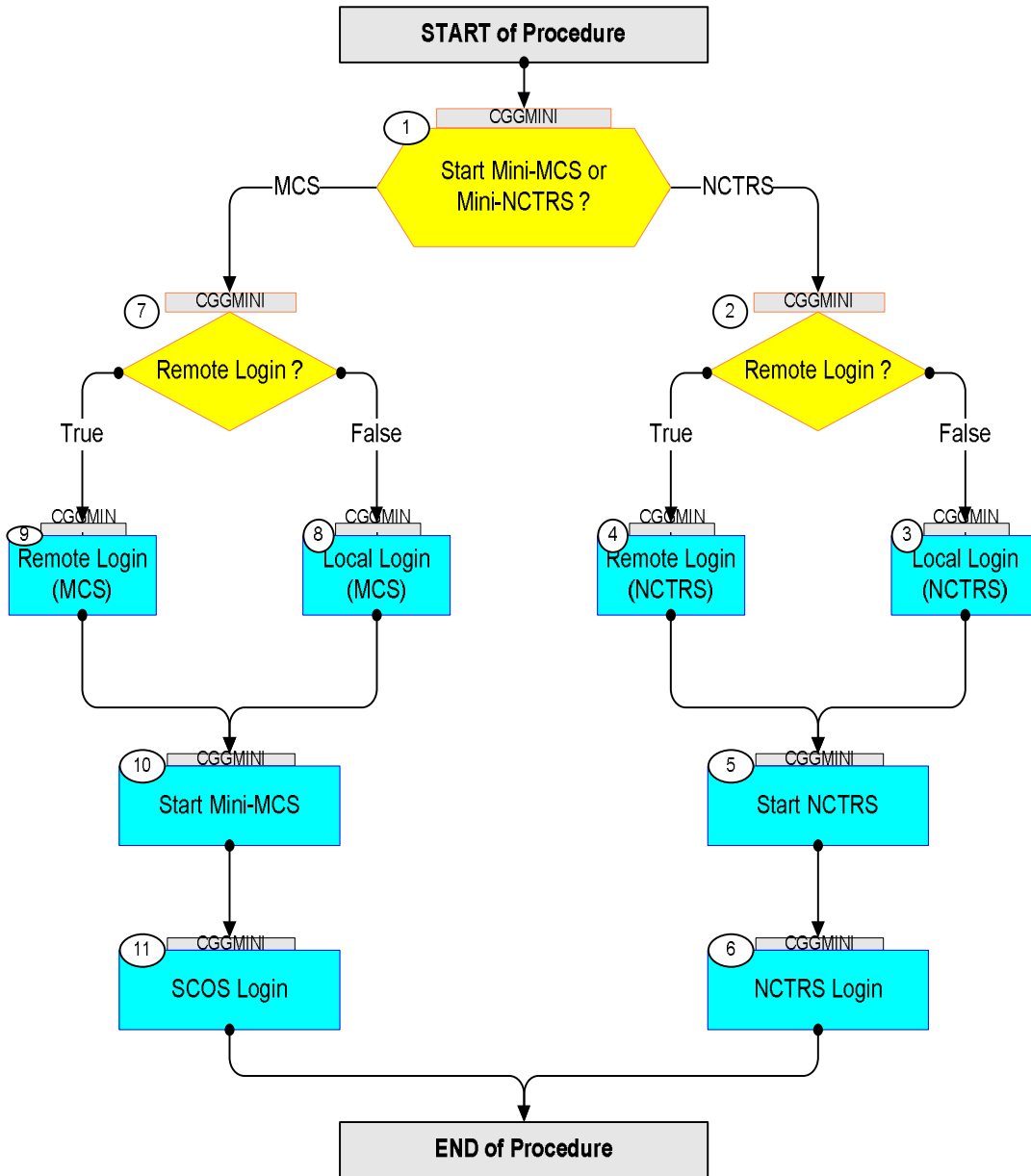**Output Command Sequences**

Referenced Displays

ANDs   GRDs   SLDs

Configuration Control Information

DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
08/04/10	3	1	Created	F. Keck	

Status   : Version 1 - Updated
Last Checkin: 08/04/10

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Procedure Flowchart Overview

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Beginning of Procedure		
		TC Seq. Name : () *TimeTag Type:* *Sub Schedule ID:*		
1		*Start Mini-MCS or Mini-NCTRS ?*		Next Step: NCTRS 2 MCS 7
2		*Remote Login ?*		Next Step: False 3 True 4
		a) You are at ESOC and you want to do a remote login to the CEB Mini-NCTRS b) You are at CEB and you want to do a local login		
3		*Local Login (NCTRS)*		Next Step: 5
		It's not really a local login, but a remote login from the Mini-MCS to the Mini-NCTRS. Therefore at this stage the Mini-MCS machine must be started.		
3.1		*Power on*		
		If necessary: Power on hpnctrceb and check the console for errors. Wait for the Login window.		
3.2		*Login*		
		This step describes how to login from the Mini-MCS to the Mini-NCTRS.		
3.2.1		*Open Terminal*		
		Open a terminal on the Mini-MCS		
3.2.2		*Connect to Mini-NCTRS*		

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Connect from the Mini-MCS terminal to the Mini-NCTRS > xhost + > telnet hpnctrceb Login: nctrsops Password: 1nctrsops (the first letter is a one)		
3.3		*Display Mini-NCTRS GUI on Mini-MCS*		
		Ensure the Mini-NCTRS GUI will be displayed on the Mini-MCS. **Herschel:** hpnctrceb> setenv DISPLAY hlctfceb:0.0 **Planck:** hpnctrceb> setenv DISPLAY plctfceb:0.0		
4		*Remote Login (NCTRS)*		Next Step: 5
		This step describes how to login to the CEB Mini-NCTRS remotely from a DCR client.		
4.1		*Open Terminal*		
		Pick a DCR client and open a terminal.		
4.2		*Find IP Address of DCR Client*		
		Find the IP address of this DCR client > nslookup ws04X Remember this IP address.		
4.3		*Connect remotely from DCR Client*		
		Connect remotely from ws04X to the Mini-NCTRS > xhost+ > ssh -X nctrsops@hpnctrceb.ceb.ops.esa.int If asked to accept the RSA key, answer 'yes' Password: 1nctrsops (the first letter is a one)		
4.4		*Display Mini-NCTRS GUI on DCR Client*		

Doc No.   :PT-HMOC-OPS-FOP-6001-OPS-OAH
Fop Issue :   3.0
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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Ensure the Mini-NCTRS GUI will be displayed on the DCR client. > setenv DISPLAY ws04X_ip_address:0.0 (use the IP address from above)		
5		*Start NCTRS*		Next Step: 6
		At this stage a remote terminal should be available on the Mini-NCTRS (either from the Mini-MCS or from a DCR client).		
5.1		*Stop NCTRS*		
		If you are the only user, best to stop the NCTRS first to clean everything up.		
		Herschel: hpnctrceb> NCTRSstop Herschel **Planck:** hpnctrceb> NCTRSstop Planck		
		Comment: Run the command twice, sometimes the cleanup is not complete.		
5.2		*Start NCTRS*		
		Herschel: hpnctrceb> NCTRSstart Herschel **Planck:** hpnctrceb> NCTRSstart Planck If the NCTRS does not start, it's probably already running. Either go back and stop the NCTRS, or use following option to start only an additional MMI.		
		Option: If the NCTRS is already running, it's possible to add only an additional MMI. **Herschel:** hpnctrceb> NCTRSstart -f Herschel **Planck:** hpnctrceb> NCTRSstart -f Planck		

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Comment: Adding more and more MMIs on different clients (and leaving them running) is dangerous, because someone else can interfere with your operations. Therefore it's smart to do sometimes a stop and restart of the NCTRS to ensure everything is clean.		
6		*NCTRS Login*		Next Step: END
		Login: network Password: network		
7		*Remote Login ?*		Next Step: False 8 True 9
		a) You are at ESOC and you want to do a remote login to the CEB Mini-MCS b) You are at CEB and you want to do a local login		
8		*Local Login (MCS)*		Next Step: 10
8.1		*Power on*		
		If necessary: Power on Herschel: hlctfceb Planck: plctfceb and wait for the login window.		
8.2		*Login*		
		Herschel: Login: hmcsops Password: hlctfceb.ceb **Planck:** Login: pmcsops Password: plctfceb.ceb		
8.3		*Open Terminal*		
		Open a terminal on the Mini-MCS		
9		*Remote Login (MCS)*		Next Step: 10
		This step describes how to login to the CEB Mini-MCS remotely from a DCR client.		

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
9.1		*Open Terminal*		
		Pick a DCR client and open a terminal.		
9.2		*Connect to the Mini-MCS*		
		Connect from the terminal to the CEB Mini-MCS **Herschel:** > ssh -X hmcsops@hlctfceb.ceb.ops.esa.int If asked to accept the RSA key, answer 'yes' Password: hlctfceb.ceb **Planck:** > ssh -X pmcsops@plctfceb.ceb.ops.esa.int If asked to accept the RSA key, answer 'yes' Password: plctfceb.ceb		
10		*Start Mini-MCS*		Next Step: 11
		At this stage a terminal should be available on the Mini-MCS (either locally or remotely).		
		If the Mini-MCS is already running (or to test this), bring up the task launcher MMI: > startMMI.csh If this fails (i.e. the Mini-MCS is not running), start the Mini-MCS: > hpmcs.start If the Mini-MCS does not start properly, try a restart: > s2k.stop > hpmcs.start If (re)started, the Mini-MCS aks for a session: Select the 'current' session and confirm the selection typing 'yes' and Enter.		
11		*SCOS Login*		Next Step: END
		Login: fct Password: fct		

End of Procedure

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CEB Network