SIEMENS

QUICK REFERENCE GUIDE TO REPLACING CPU II+ MEFs IN THE GCP 4000

Document Number SIG-QG-07-01 Version B.1

WARNING

DURING MODULE CHANGE OUT, SOFTWARE CHANGE, REBOOT, AND CALIBRATION PROCEDURES, WARNING DEVICES MAY NOT OPERATE AS INTENDED. TAKE ALTERNATE MEANS TO WARN PEDESTRIANS, EMPLOYEES AND VEHICULAR TRAFFIC.

<u>NOTE</u>

Verify that replacement MEFs are compatible with the currently installed MCF.

- Copy the replacement MEF files to the laptop in a folder in the C:\Safetran\DT directory or another convenient folder on the PC which will be used to install the software.
- 2. Connect the serial cable between the PC and the CPU module DIAG (CP) port. This port is used to install the communications processor MEF (file format is ngcxx_xx.mef).

DIAG (CP) Port

- **3.** Open the DT software by double clicking on the DT icon on the desktop, or by double clicking on the DT.exe file found in C:\SAFETRAN\DT\.

NOTE

DT screens may vary slightly depending on version used.

- Select the COMM button.
 COMM Button
 Connect Module Connect Disconnect
 There is a select install DT Port Setup DT ATCS Address
 A menu will appear. Select install Software.
- A dialog box prompt will ask if you are sure you want to RESET MODULE. Select the YES button.

Exit



7. The following Text Terminal screen will appear. Select the **MORE** button.

8. Select the MEF/F4 button.



9. At the Erase the MEF (Y/N)? prompt, type Y or select the YES button.

Text Terminal				
EXIT MORE Yes No F1 F2				
Creation Date/Time	:	^		
MCF CRC	:			
Field SIN	:			
MEF ID Number	:			
MEF version	1			
Module type	:			
Module subtype	: CP			
Fl-Upload Aux file ;	package			
F2-Change MCF CRC	F3-Change MCF			
F4-Change MEF	F5-Erase ECD			
F6-Erase CIC	F8-Exit Setup			
Erase the MEF (Y/N)?		~		
5		>		

10. After erasing the previous MEF, the following dialog box will appear.
 Open
 Op

Open			?
Look in: 🔀) MEF	💌 🔶 🖻 🤅	* 📰 •
C VPH02_12 NCG02_50 GCP02_32	.MEF MEF .MEF		
File <u>name</u> :	NCG02_50.MEF		<u>O</u> pen
Files of type:	MEF File (*.MEF)		Cancel

- **11.** Select the file to be installed, (**NCG02_50.MEF** in this example). Select the **Open** button. The file installation may take a few minutes.
- **12.** While the file is downloading, progress will be indicated on the bottom line of the window.

MEE ID Number	·	
MEF version		
Module type		
Module subtype	: CP	
F1-Upload Aux fi.	le package	
F2-Change MCF CR	C F3-Change MCF	
F4-Change MEF	F5-Erase ECD	
F6-Erase CIC	F8-Exit Setup	
Erase the MEF (Y/)	N)? Y	
Erasing the Flash	MEF area	
Downloading and bu	urning the MEF (ESC to cancel)*.mef78.MEF	
	·······	
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13. When complete, the DT returns to the following screen.

Text Terminal		
	No F1 F2	
MCF Version Number	ri Si	^
Creation Date/Time	:	
MCF CRC	:	
Field SIN	:	
MEF ID Number	:	
MEF version	1	
Module type	:	
Module subtype	: CP	
F1-Upload Aux fil	le package	
F2-Change MCF CR	F3-Change MCF	
F4-Change MEF	F5-Erase ECD	
F6-Brase CIC	F8-Exit Setup	~
<		>

- **14.** Select the **EXIT** button, then the **CLOSE** button to return to the DT screen.
- **15.** Remove the cable from the DIAG port and connect it to the VLP port.



Exit

18. A dialog box prompt will ask if you are sure you want to **RESET MODULE**. Select the **YES** button.



19. The following screen will appear. Select the **F4** button.



20. At the **Erase the MEF (Y/N)?** prompt, type **Y** or select the **Yes** button.



21. After erasing the previous MEF, the following window will appear.



- **22.** Select the file to be installed, (**VPH02_30.MEF** in this example). Select the **Open** button. The file installation may take a few minutes.
- **23.** While the file is downloading, progress will be indicated on the bottom line of the window.



24. When the download is complete, select the **EXIT** button, then the **CLOSE** button to return to the DT screen.

WARNING

AFTER DOWNLOADING MEFS, INITIAL PROGRAMMING OR PROGRAMMING CHANGES, TESTS MUST BE PERFORMED TO VERIFY PROPER OPERATION OF THE GCP SYSTEM PRIOR TO PLACING THE SYSTEM IN SERVICE.