# SIEMENS

## QUICK REFERENCE GUIDE TO REPLACING TRACK CARD MEF'S IN THE GCP 4000
**Document Number SIG-QG-08-03C.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.**

**AFTER INSTALLING THE NEW SOFTWARE, RECALIBRATE THE CROSSING AND FOLLOW ALL NORMAL PROCESSES FOLLOWING RECALIBRATION.**

### NOTE
Verify that the replacement MEF is compatible with the currently installed MCF.

**1.** Copy the new MEF 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.

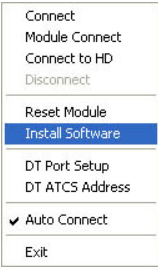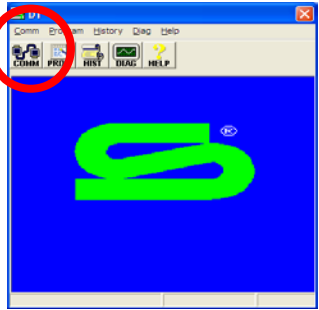**2.** Connect the serial cable between the PC and the Track Card DIAG port.

**DIAG** 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\.
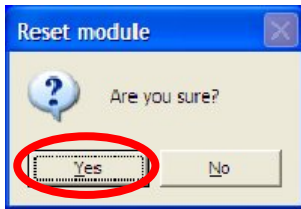
**4.** Select the **COMM** button.
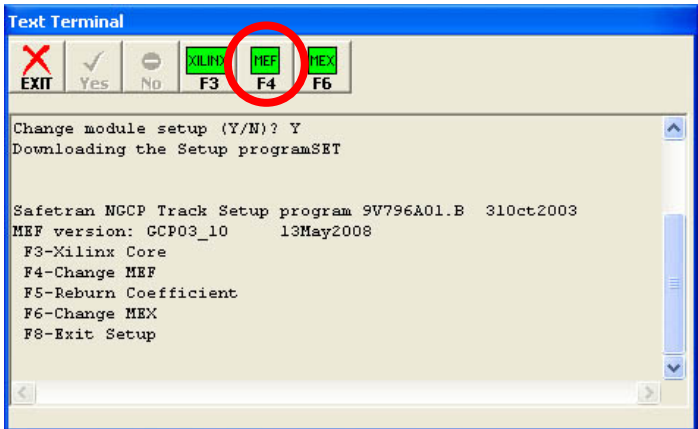


**COMM** Button



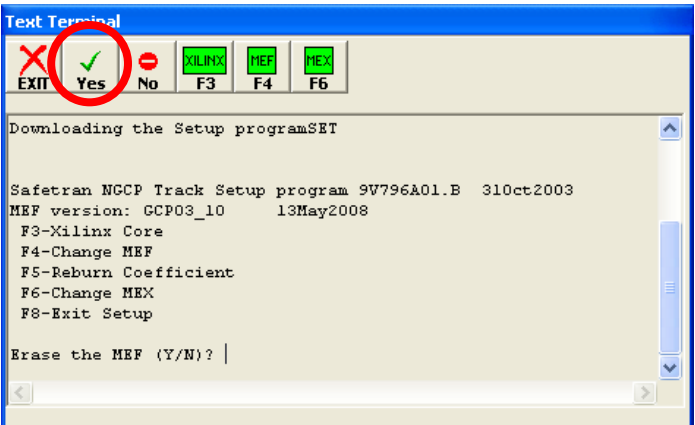**5.** A menu will appear. Select **Install Software**.

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



**7.** Select the **MEF/F4** button.



```
Change module setup (Y/N)? Y
Downloading the Setup programSET


Safetran NGCP Track Setup program 9V796A01.B  31Oct2003
MEF version: GCP03_10    13May2008
 F3-Xilinx Core
 F4-Change MEF
 F5-Reburn Coefficient
 F6-Change MEX
 F8-Exit Setup
```

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



```
Downloading the Setup programSET


Safetran NGCP Track Setup program 9V796A01.B  31Oct2003
MEF version: GCP03_10    13May2008
 F3-Xilinx Core
 F4-Change MEF
 F5-Reburn Coefficient
 F6-Change MEX
 F8-Exit Setup

Erase the MEF (Y/N)? |
```
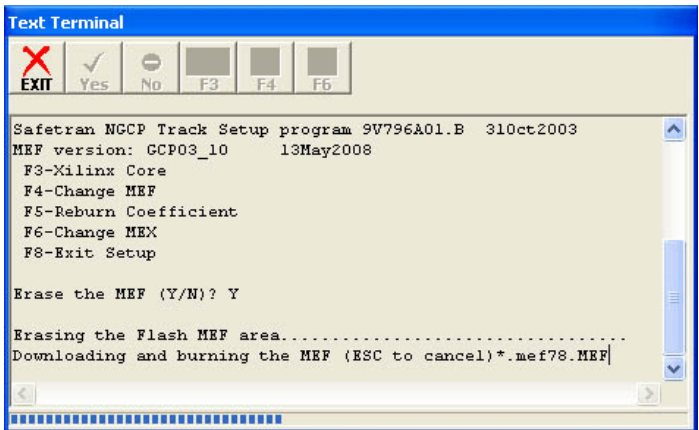
2

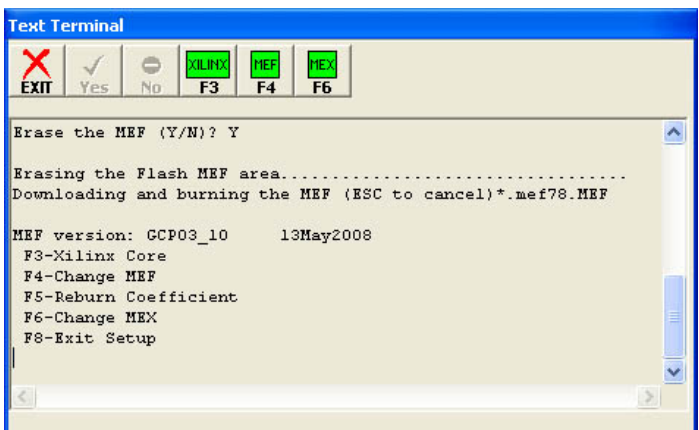**9.** After erasing the previous MEF, the following dialog box will appear.
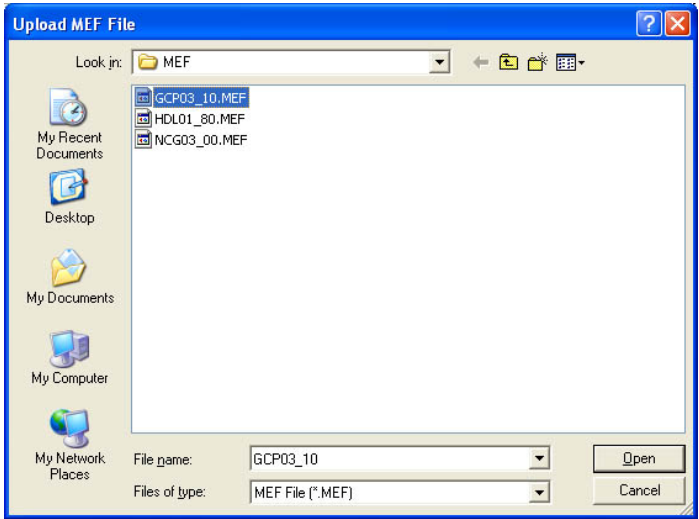


**10.** Select the file to be installed, **GCP03_30.MEF** (example only). Select the **Open** button. The file installation may take a few minutes.
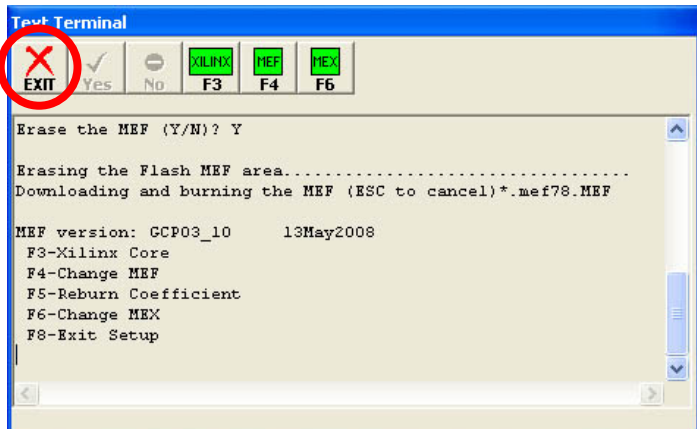
**11.** While the file is downloading, progress will be indicated on the bottom line of the window.
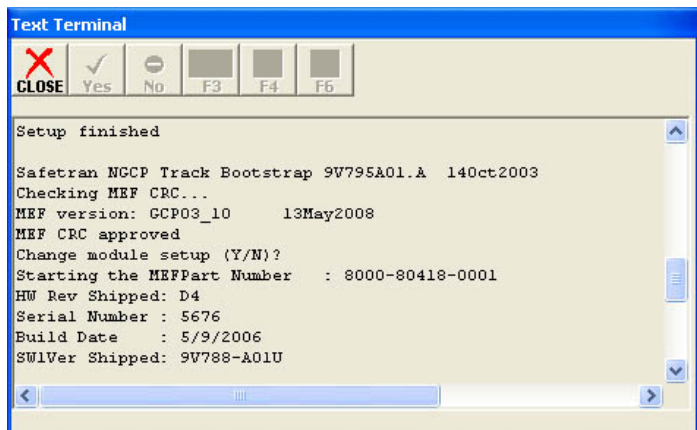


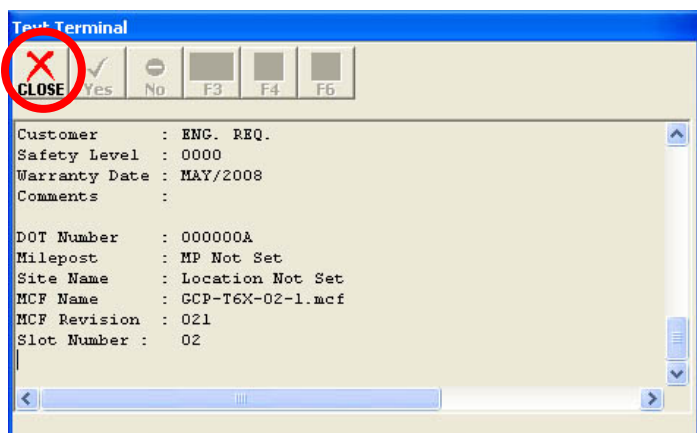**12.** When complete, the DT returns to the following screen.

**13.** When the download is complete, press **F8** or select the **EXIT** button. The DT closes the setup process.



```
Text Terminal

 X    √    ⊖   XILINX  MEF  MEX
EXIT  Yes  No    F3    F4   F6

Erase the MEF (Y/N)? Y

Erasing the Flash MEF area.................................
Downloading and burning the MEF (ESC to cancel)*.mef78.MEF

MEF version: GCP03_10    13May2008
 F3-Xilinx Core
 F4-Change MEF
 F5-Reburn Coefficient
 F6-Change MEX
 F8-Exit Setup
```

**14.** Once the setup is finished, the DT starts loading the MEF.



```
Text Terminal

 X    √    ⊖    
CLOSE Yes  No   F3   F4   F6

Setup finished

Safetran NGCP Track Bootstrap 9V795A01.A  14Oct2003
Checking MEF CRC...
MEF version: GCP03_10    13May2008
MEF CRC approved
Change module setup (Y/N)?
Starting the MEFPart Number   : 8000-80418-0001
HW Rev Shipped: D4
Serial Number : 5676
Build Date    : 5/9/2006
SW1Ver Shipped: 9V788-A01U
```

**15.** Once the MEF has loaded, select the **CLOSE** button to return to the DT screen.



```
Text Terminal

 X    √    ⊖    
CLOSE Yes  No   F3   F4   F6

Customer       : ENG. REQ.
Safety Level   : 0000
Warranty Date  : MAY/2008
Comments       :

DOT Number     : 000000A
Milepost       : MP Not Set
Site Name      : Location Not Set
MCF Name       : GCP-T6X-02-1.mcf
MCF Revision   : 021
Slot Number :   02
```

**WARNING**

**AFTER DOWNLOADING THE MEF, RECALIBRATE THE AFFECTED TRACKS. TESTS MUST BE PERFORMED TO VERIFY PROPER OPERATION OF THE GCP SYSTEM PRIOR TO PLACING THE SYSTEM IN SERVICE.**