IOM
M30118 Rev. A

NIAGARA® meters

HART DD IOM

Instructions for copying HART DD files to 375/475 using Field Communicator Easy Upgrade Utility 3.5

HART DD IOM

HOW TO DOWNLOAD DD TO 475

The 475 uses HHD and HDD files to communicate with any device. If required, download Easy Upgrade Utility 3.5 from the Emerson website (www.emersonprocess.com).

FILE COPYING PROCEDURE

1. Copy the files (.hhd and .hdd extentions) to a folder on your PC hard drive, ie. C:\Model2010
2. Launch the Easy Upgrade Program by selecting Start/Programs/Field Communicator Easy Upgrade Programming Utility/Field Communicator Easy Upgrade Utility.
3. There are three options to communicate with 475:
    a. IrDA
        i. Connect the IR Wireless Adapter USB port to the PC.
        ii. Direct the IR port of the IR Wireless Adapter to the IR port on the 375/475.
    b. Card Reader
        i. Take out SD card from 475
        ii. Place in SD card reader of PC
    c. Bluetooth
        i. Connect the Bluetooth Adapter to USB port of the PC.
        ii. Enabled Bluetooth connection in 475
4. Power on the 375/475 device.
5. On the 375/475 Field Communicator Main Menu, select " Listen for PC".

6. On the Field Communicator Easy Upgrade Utility, select Connection type and select Connect as shown in FIGURE 1.

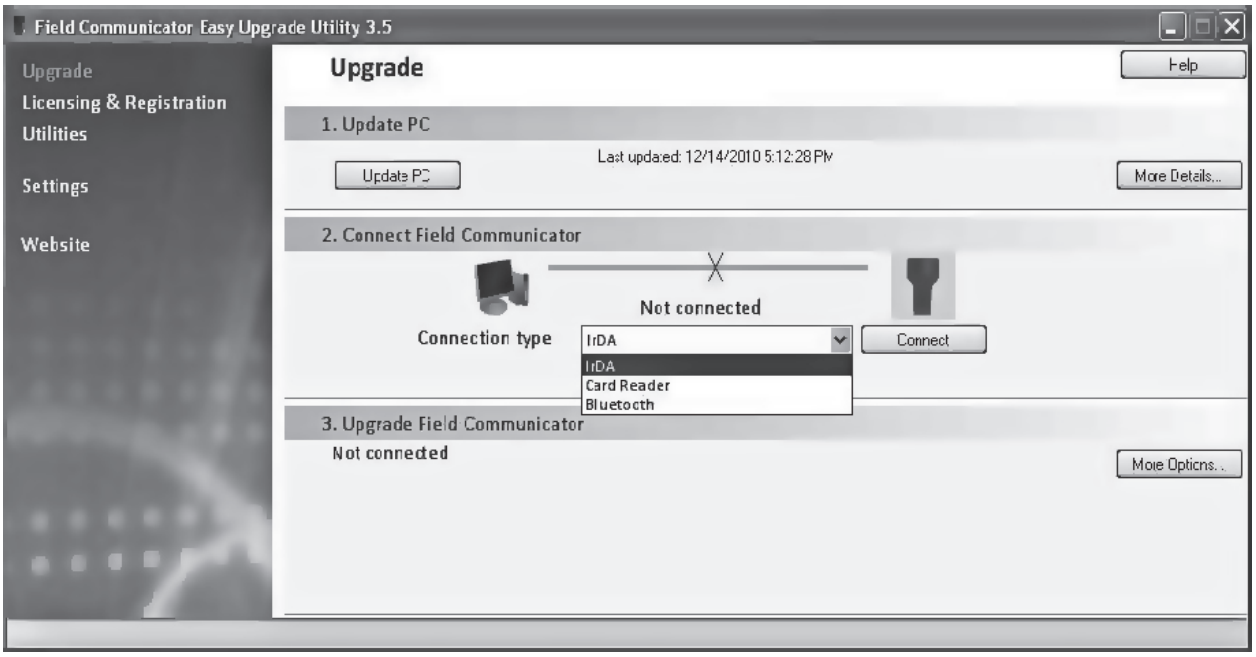

FIGURE 1: Connect Field Communicator

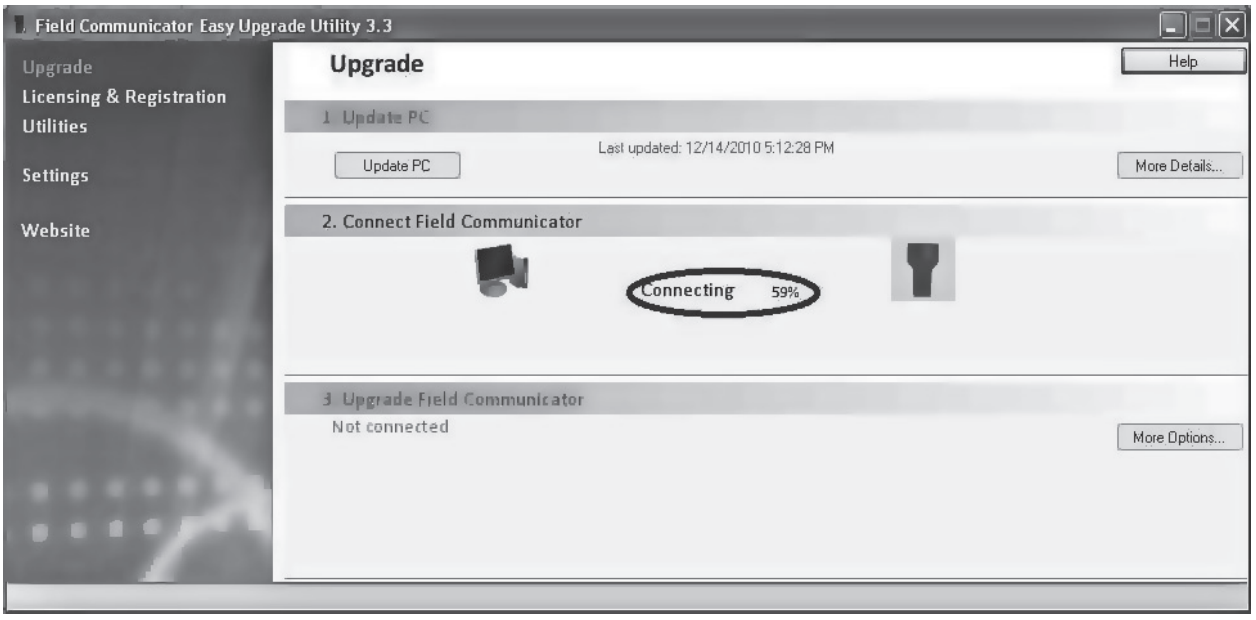

FIGURE 2: Awaiting connection to Field Communicator

7. Wait until you see “Connected” next to Connection Type, shown in FIGURE 3.

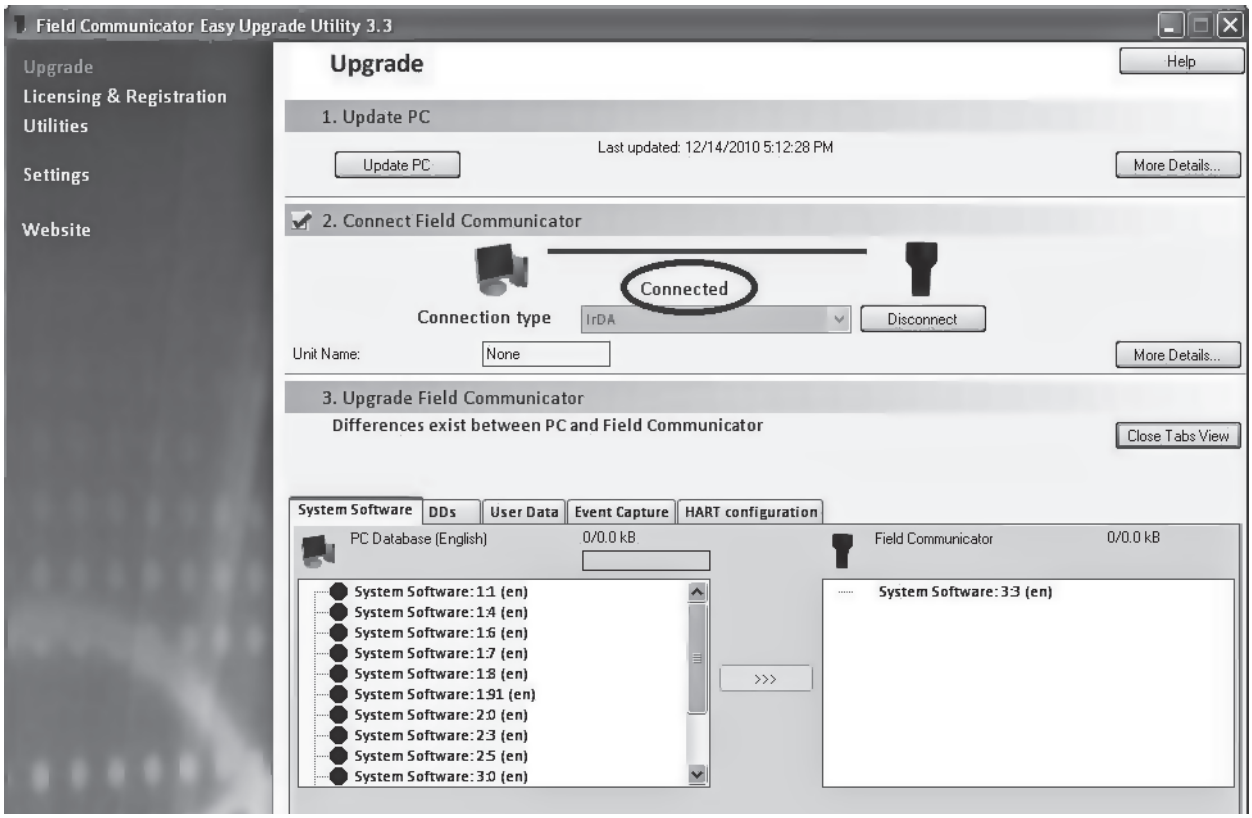

FIGURE 3: Field Communicator Connected

8. Select Update PC, shown in FIGURE 3.

9. Highlight your Current Location then select OK, as shown in FIGURE 4.

FIGURE 4: Select Current Location

10. You may need to enter a login and password (make sure you have these credentials ready).

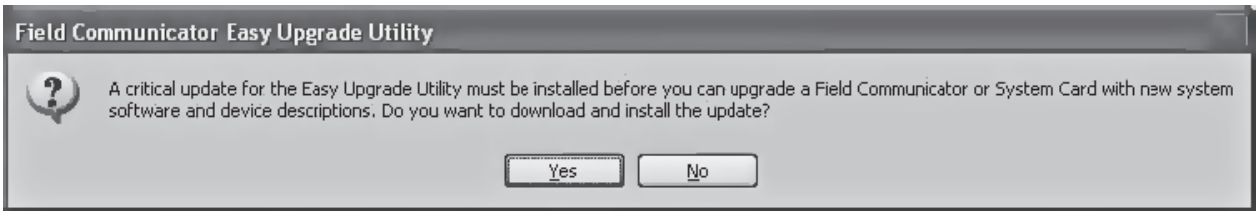

FIGURE 5: Upgrade confirmation

11. Select Yes, shown in FIGURE 5.
12. Install the Update by going through the Installation screens.

Note: If you do not want to update the PC Database (DD files) to the latest DD files on the Emerson Web site, select No on the “Remove PC Database?” dialog. If not, select Yes and you will get the most recent DD files onto your 375/475.

13. After the Installation is complete, you will need to restart the East Upgrade Utility program by selecting Start/Programs /Field Communicator Easy Upgrade Programming Utility/Field Communicator Easy Upgrade Utility.
14. Select Utilities > Import DDs from a local source, shown in FIGURE 6. Browse to the folder containing the DD files (.hhd and .hdd extensions, ex: C:\ST6K) that you require to copy to 375/475 device.

FIGURE 6: Utilities screen

15. Click on Niagara FORCEmeter and select OK. See FIGURE 7.

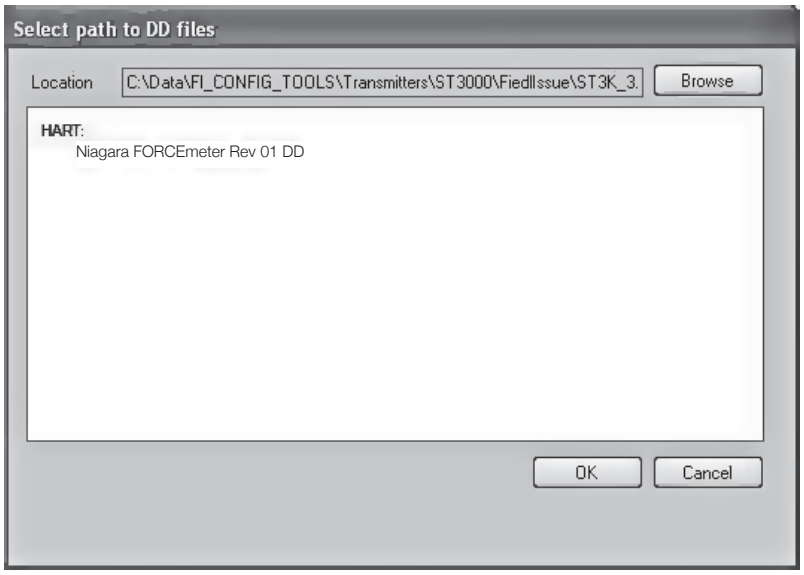

FIGURE 7: Select path to DD files

16. After the successful copy you will get the message shown in FIGURE 8.
17. Optional Step: Check to make sure that you have copied the files to the right location on your PC. Go to the path below. You will see the 2 files that have been copied to the right location.

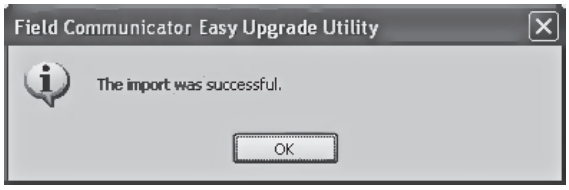

FIGURE 8: Upgrade Successful

Note: This step has copied files to the PC Database on your PC. Follow the steps below to copy the files to the 375/475.

18. If the message shown in FIGURE 9 is being displayed this is indicating that the current system software requires a critical upgrade, this upgrade must be completed before proceeding with the download of the new DD files. To complete this upgrade use the following steps – otherwise continue on to step 20.

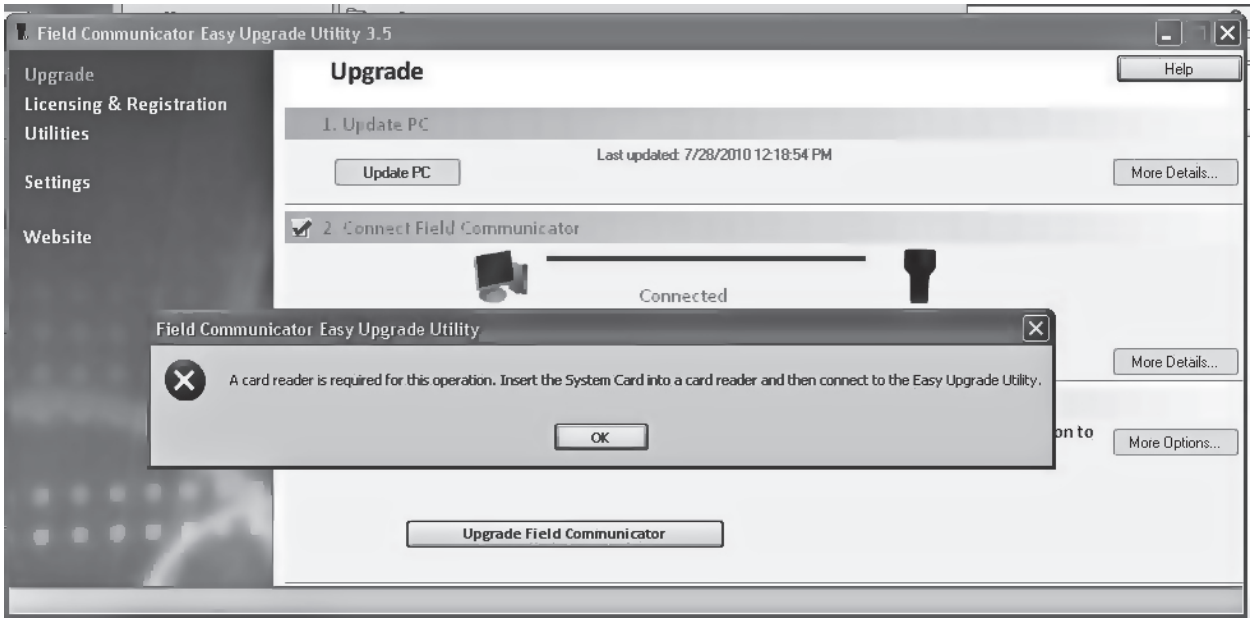

FIGURE 9: Upgrade required

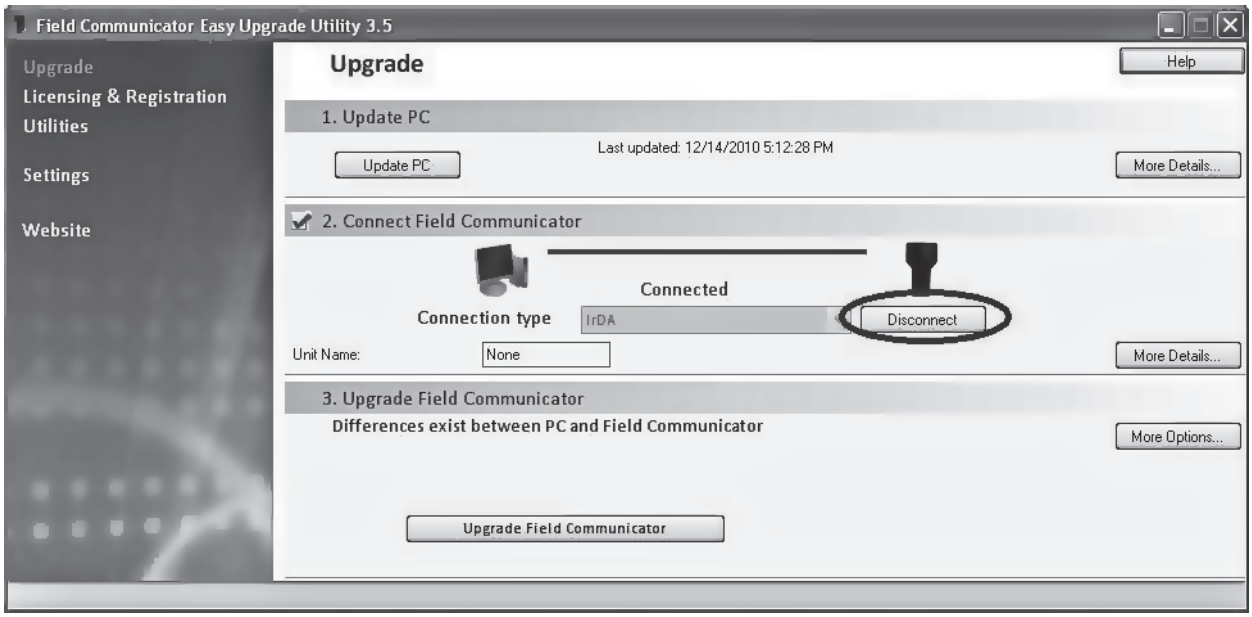

FIGURE 10: Disconnect the IrDA

- Click on the “Disconnect” button to disconnect the IrDA connection. Shown in FIGURE 10.
- On the 375/475 Communicator, select the “Exit” button on the display and turn off the Communicator. Remove the System Card.
- Connect a Card Reader to the USB port of the PC. Insert the 375/475 System Card.
- On the Easy Upgrade Utility, select Connection Type “card reader” and select Connect. Enter the appropriate drive letter to locate the card reader. Select “Yes” when prompted to proceed with the update. Wait until the update is complete. Remove the System card and replace it in the 375/475.

- Turn the 375/475 on. The Communicator will proceed to update itself. Click on the necessary responses to initiate the update. Wait until the update is complete.
- Reconnect the IR Wireless Adapter to the IR port in the PC. Direct the IR port of the IR Wireless Adapter to the IR port on the 375/475.
- On the 375/475 Field Communicator Main Menu, select “Listen for PC”.
- On the Field Communicator Easy Upgrade Utility, select Connection type: IrDA. Select Connect. Wait until you see “Connected” next to the Connection type.

19. Select Upgrade on the top left side of the Utilities screen, shown in FIGURE 11.

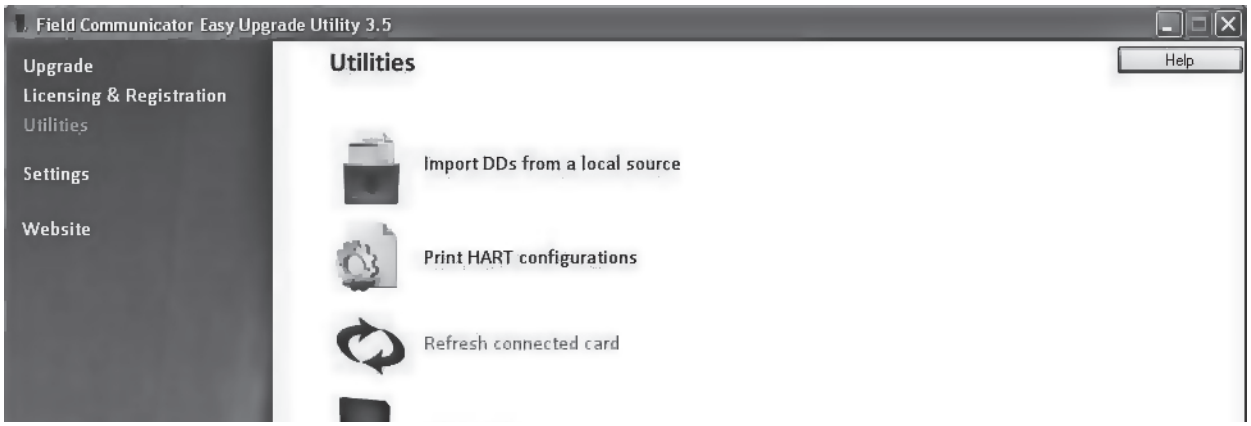

FIGURE 11: Utilities Upgrade option

20. Select More Options shown in FIGURE 12.

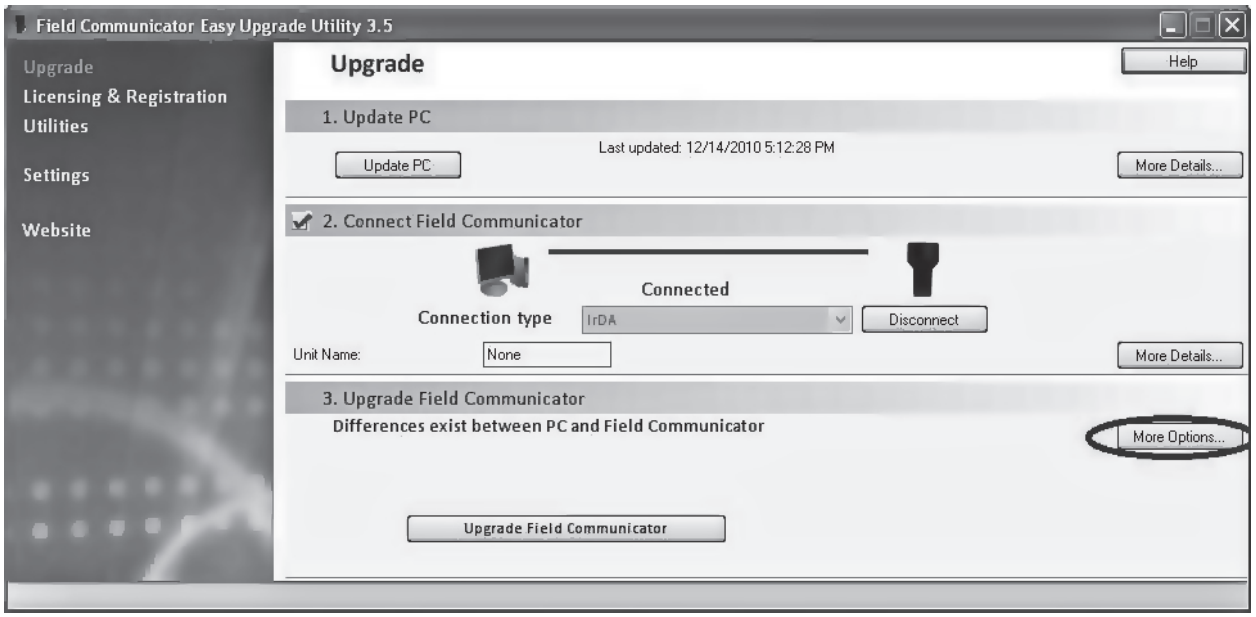

FIGURE 12: More Options

21. Select DDs Tab under “PC Database”, shown in FIGURE 13.

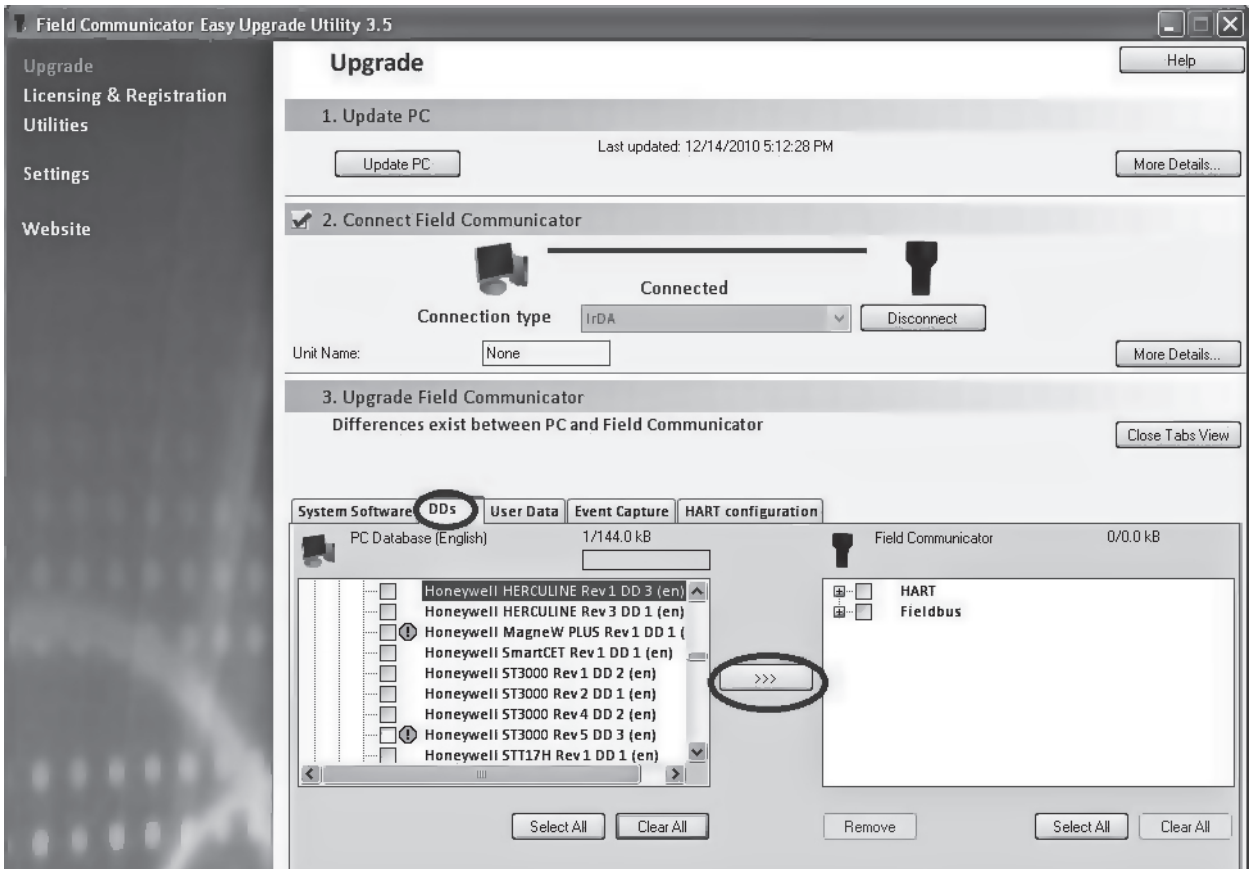

FIGURE 13: PC Database, DD tab

22. Select HART and then FORCEmeter. You will see the Yellow icons next to the FORCEmeter Model 2010 DD, select the check box next to this DD.
23. Select the button with 3 right facing arrows. You will get the message “Download Complete” upon successful completion of the copy.
24. Select Disconnect on the Connection Type, exit the Easy Upgrade program. Shown in FIGURE 14.

25. Select Exit on the 375/475 “Listen for PC” screen

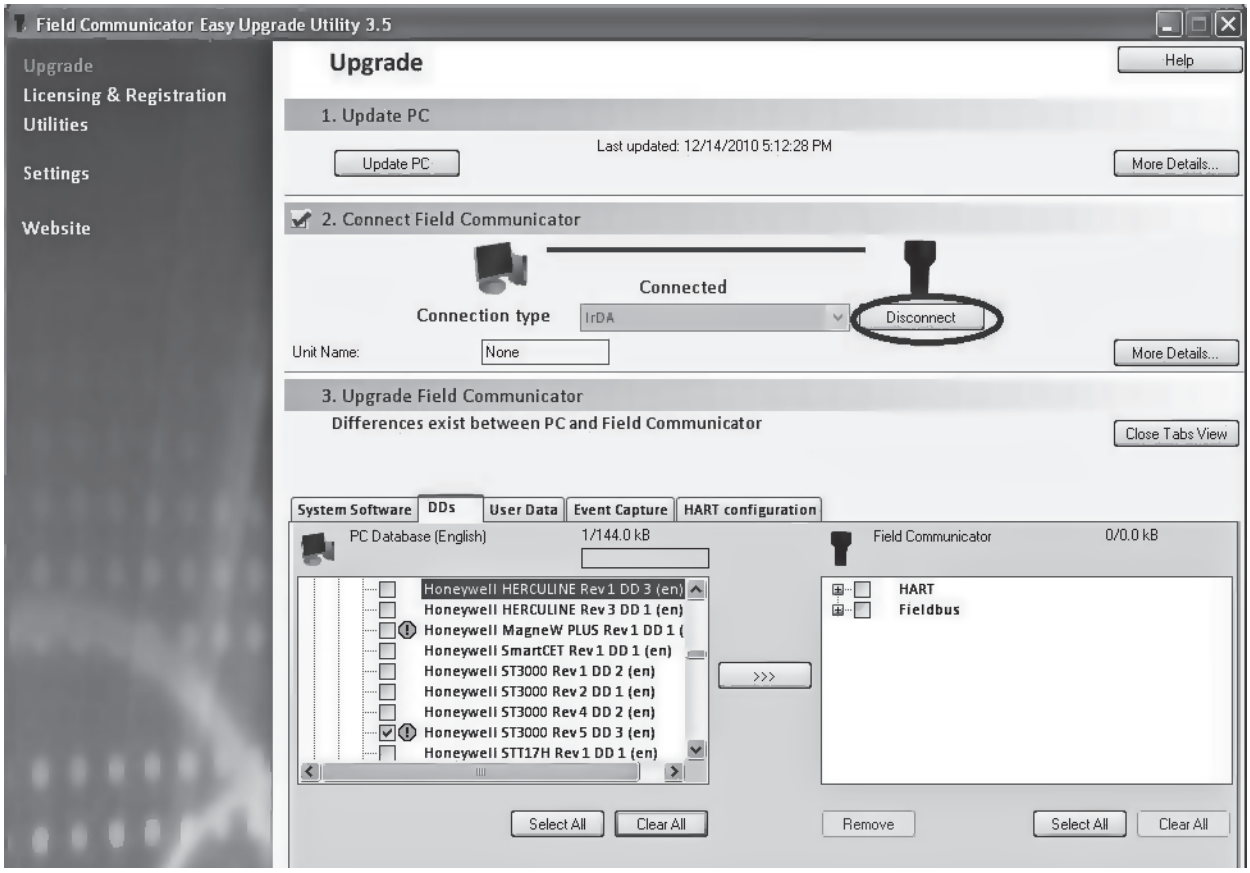

FIGURE 14: Exit Upgrade Program

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