

An abstract:

1-update firmware by Updating the data flash using the old DFI file following the sluat453a 's instructions with bq evaluation software:

1-create DFI file.

2-Load the old DFI file into the device with the old firmware version that matches the old DFI version using step 1B of bqEASY.

3-read all the data flash contents, and export the data flash into the Old.gg file.

4-Set the device into ROM mode:

1. Disable the scanning in Dataram before updating the firmware.
2. Power up the evaluation module (EVM) by applying 4 Vdc between Pack+ and Pack-.
3. Start the EV Software.
4. Navigate to the *I2C Pro* screen.
5. Put the device into ROM mode by setting the **Write I2C Data Block** section as: *I2C*

Command: 00

Data Block (hex): 000f, and click the **Write Data** button

6. In the *bq275xx Programming* section, click the (...) button to browse for the file location

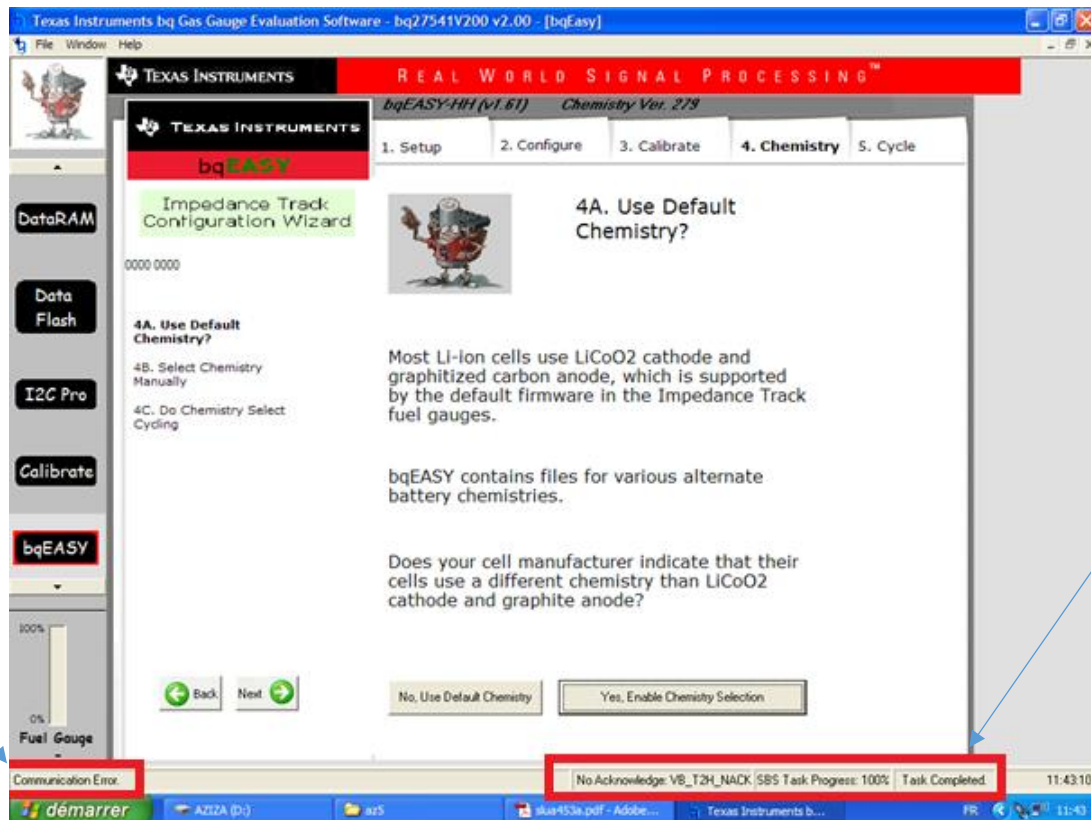
7. Click the **Program** button to program the firmware.

8. Once programming is finished, execute the program by clicking **Execute Program on bq8032** button

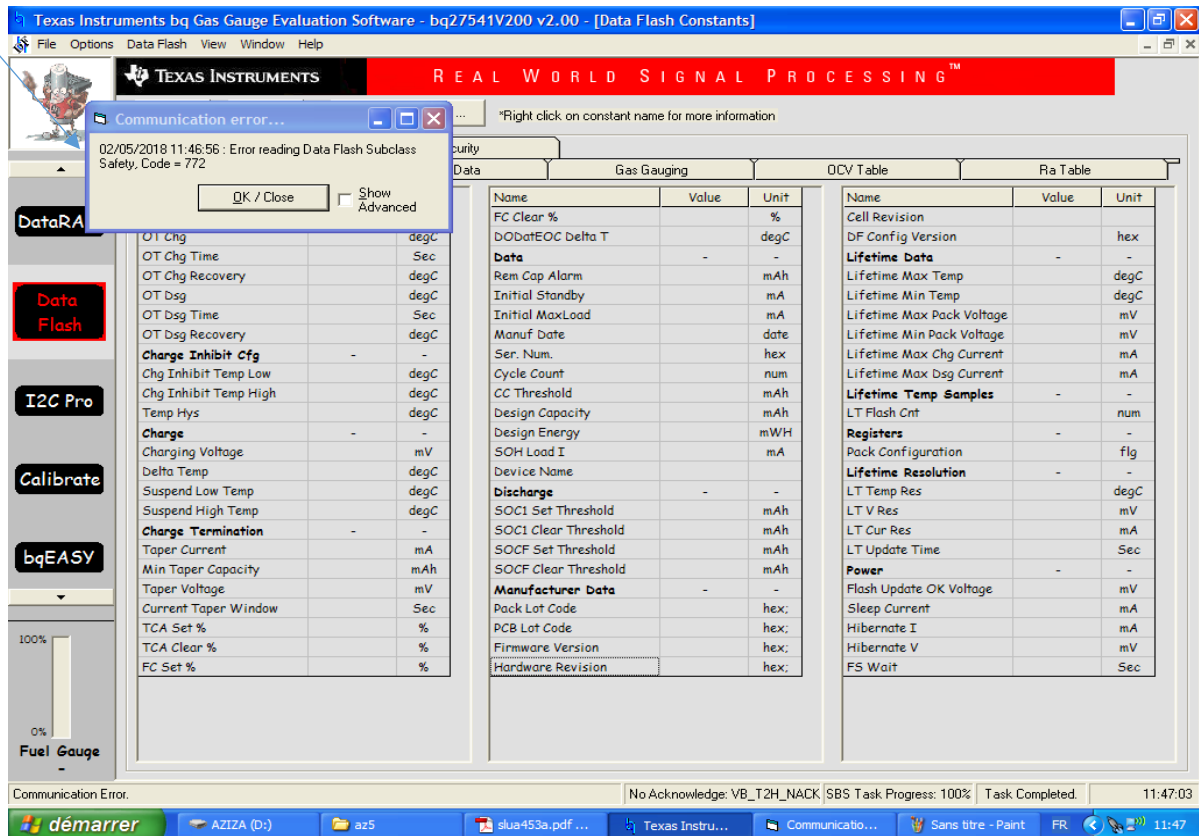
9. Close and restart the EV Software so that the new version of firmware is recognized.

After setting the ROM mode we had a communication error(no acknowledge..)

5-step 4B of bqEASY to select the chemistry manually.



6- Go to Data Flash screen and Import the new.gg file into the device after loading thenew.gg file, click the **Write All** button to write these data flash values into the device.
And due to the error in step n5,we faced another error from step n6 to the end .



7-Go to bqEASY step 3F and read the DFI.

8-Generate Golden Image file.

