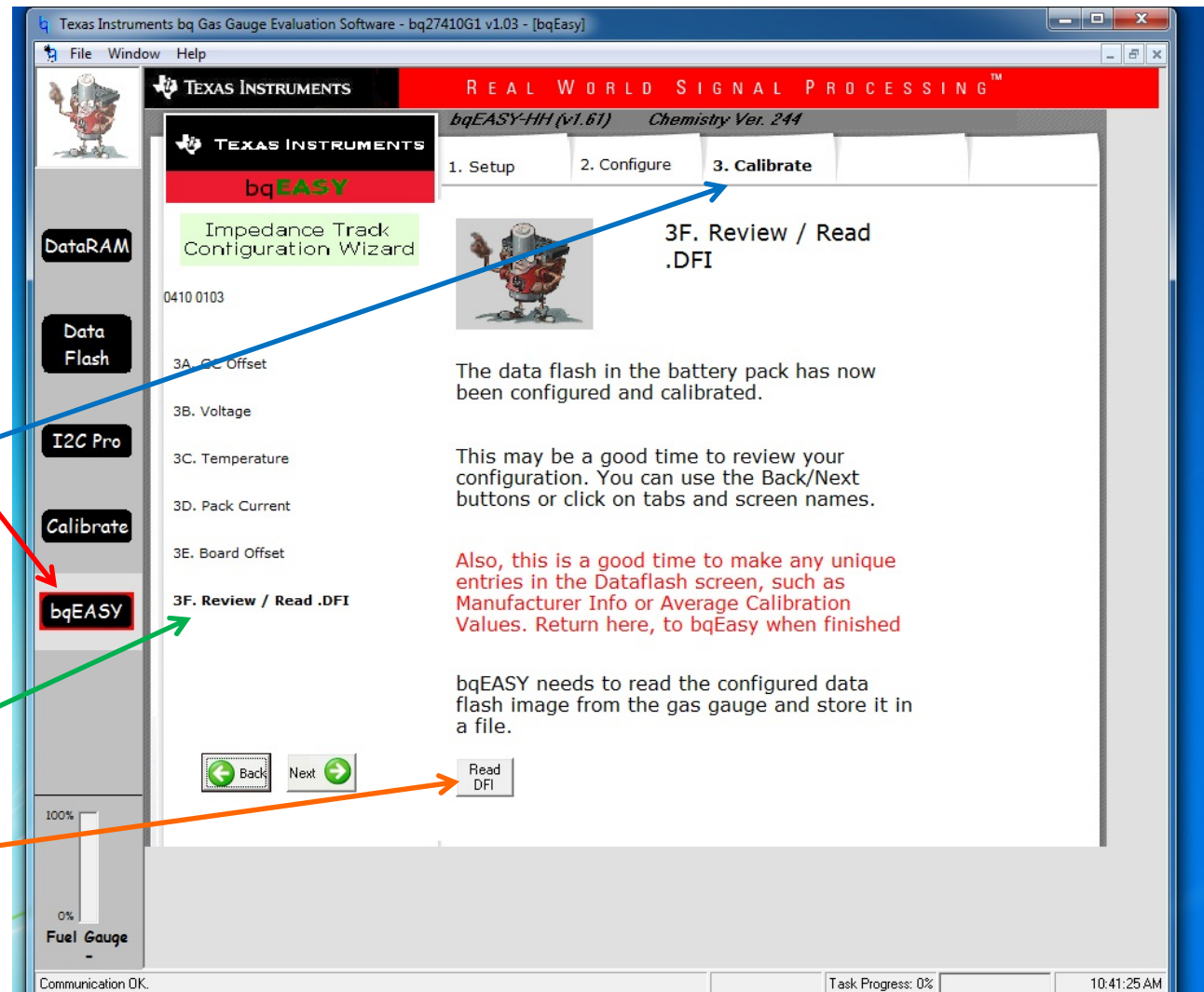# Read out *.dfi in EVSW

1. Go to "bqEASY" tab

2. Go to "3. Calibrate tab"

3. Go to step "3F. Review/Read .DFI"

4. Click the "READ DFI" button

The file should be output to : "C:\Program Files (x86)\Texas Instruments\bq Evaluation Software\Plugins\Projects" for Windows 7 (make sure you run EVSW as an admin) or "C:\Program Files\Texas Instruments\bq Evaluation Software\Plugins\Projects" for Windows XP

Read out *.senc in EVSW

Click on the I2C Pro button to go to the I2C Pro screen.

Read out *.senc in EVSW

The I2C address should be 0xAA. This is representative of the gauge address 0x55 with a write bit. However, EVSW takes care of the read/write bit, so regardless of read/write you can have the address set to 0xAA.

To enter ROM mode send command 0x0F00 to 0x00.

Please note that commands written and read in the I2C pro are in Little Endian format (LSB to MSB)

Please note that information in the Data Block does not automatically clear, so make sure that you backspace to clear out any previous data sent.
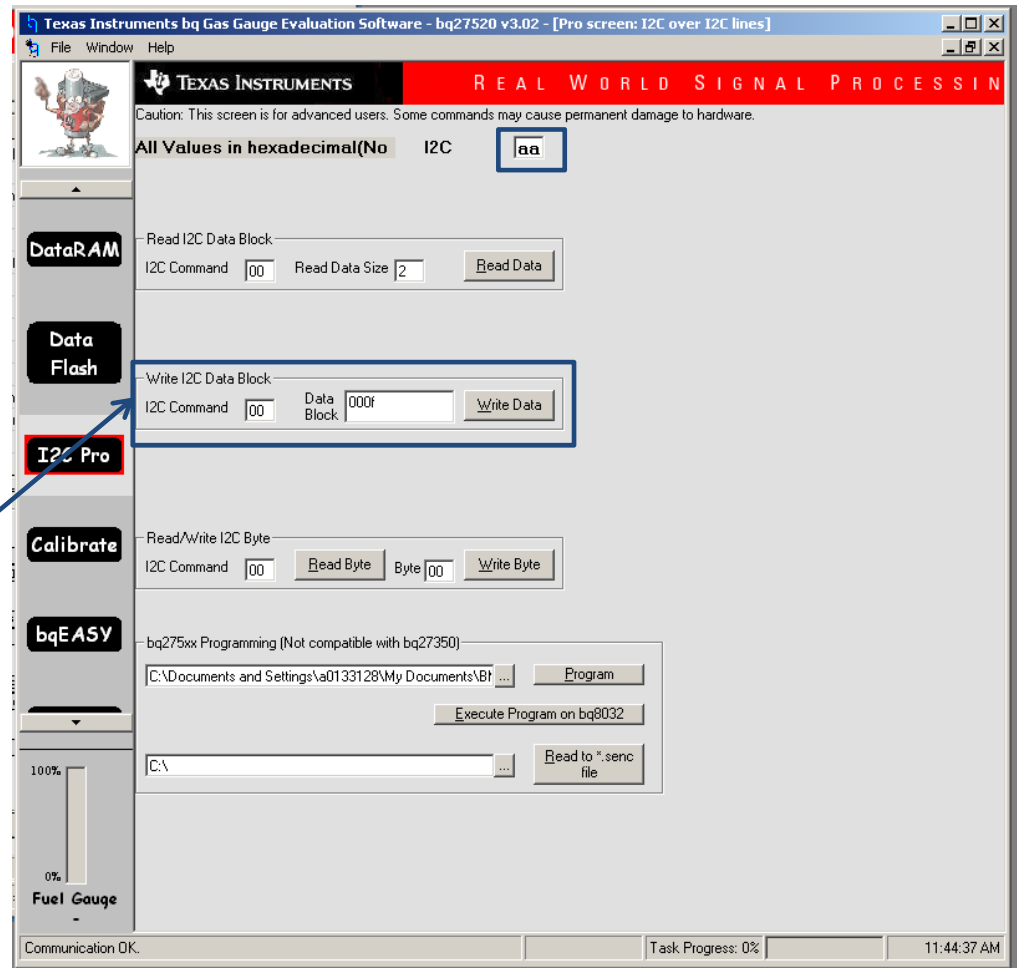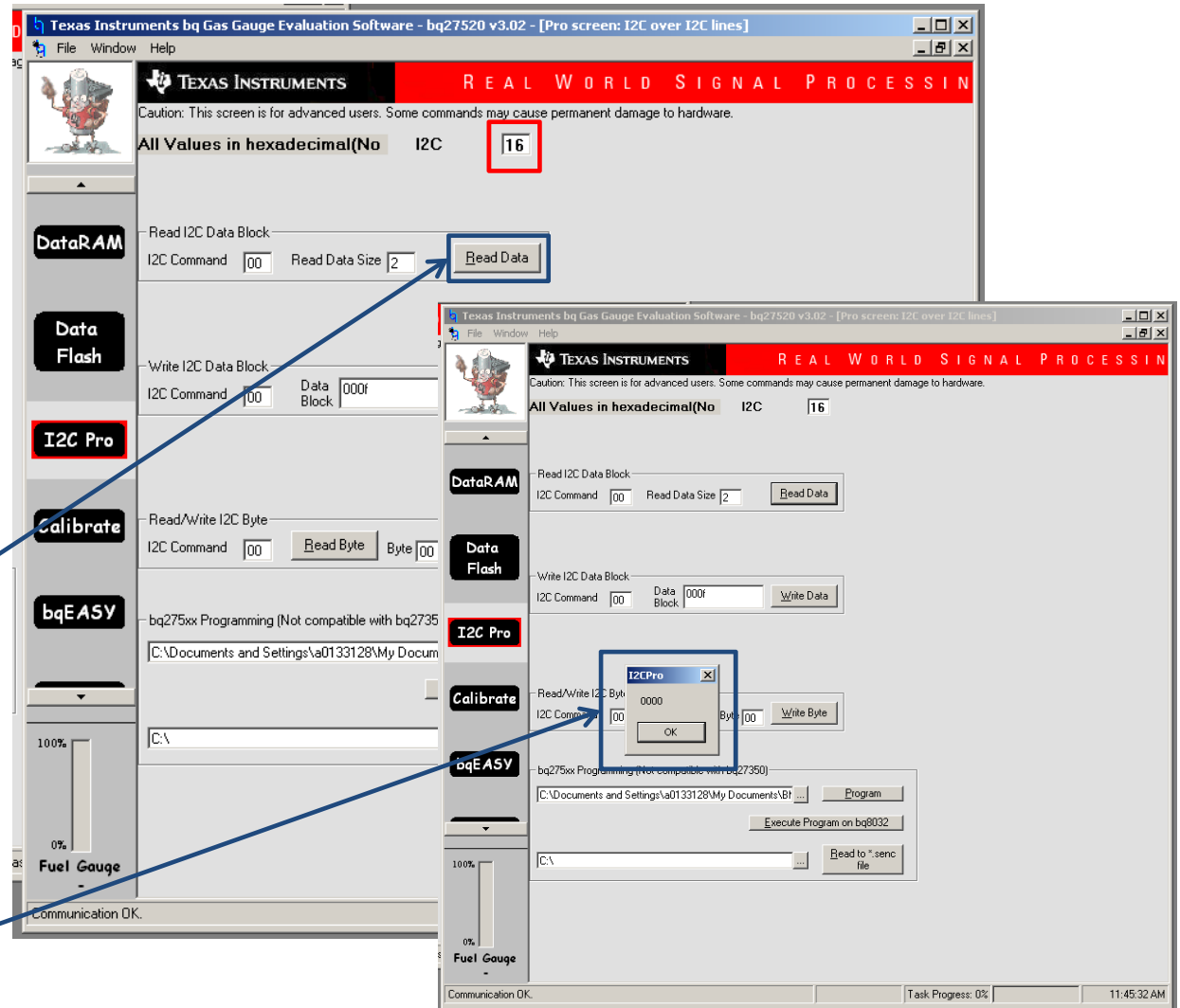
Read out *.senc in EVSW

Change the I2C address to 0x16. This is representative of the gauge address in ROM mode, 0x0B, with a write bit. However, EVSW takes care of the read/write bit, so regardless of read/write you can have the address set to 0x16.
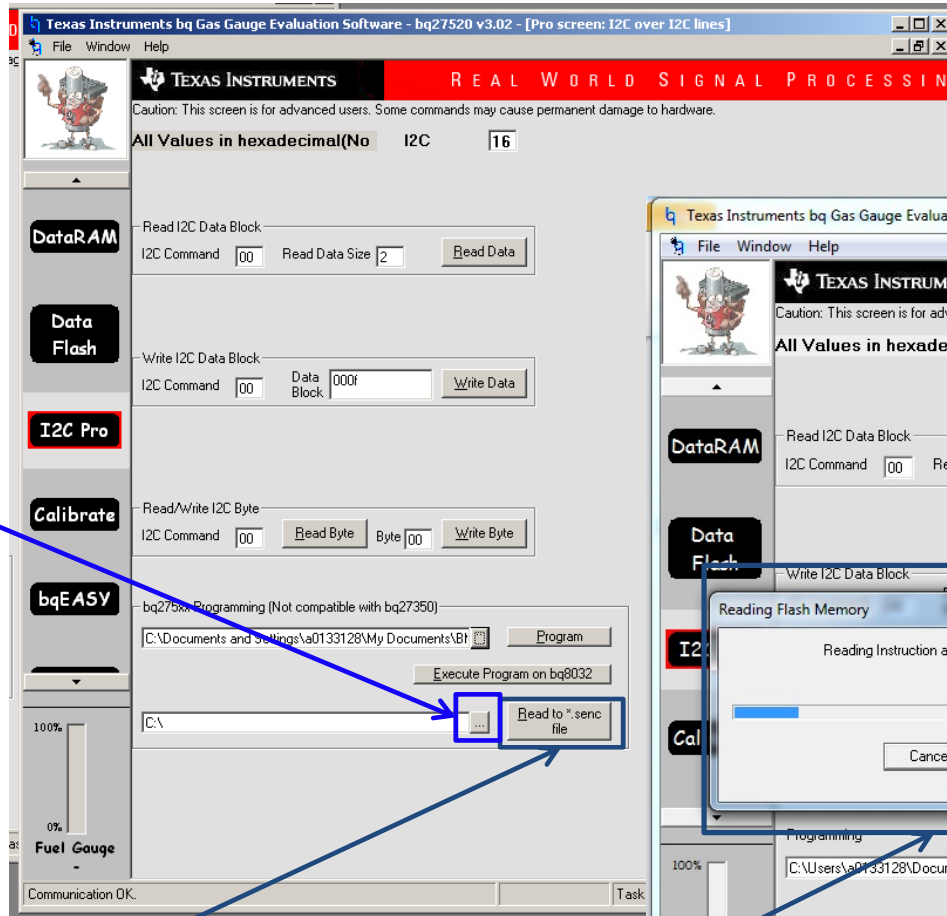
Read some data to verify the gauge is in ROM mode.

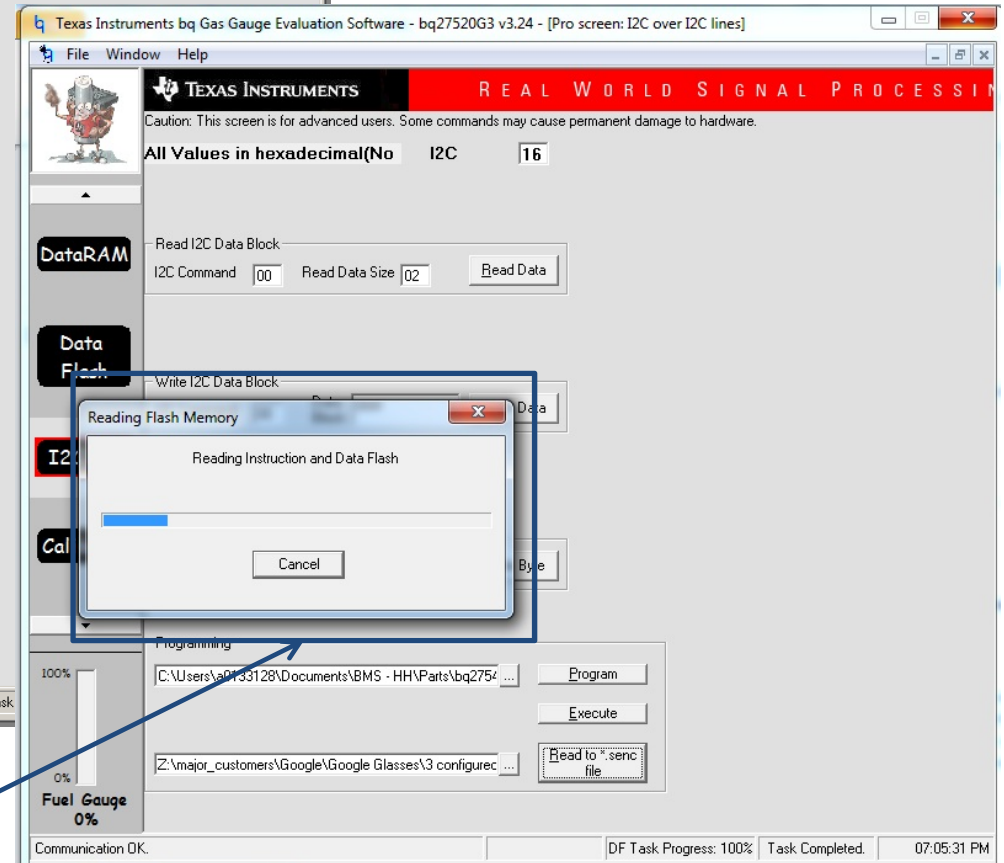I2CPro should pop-up a small window with the data that was read.

Read out *.senc in EVSWFW

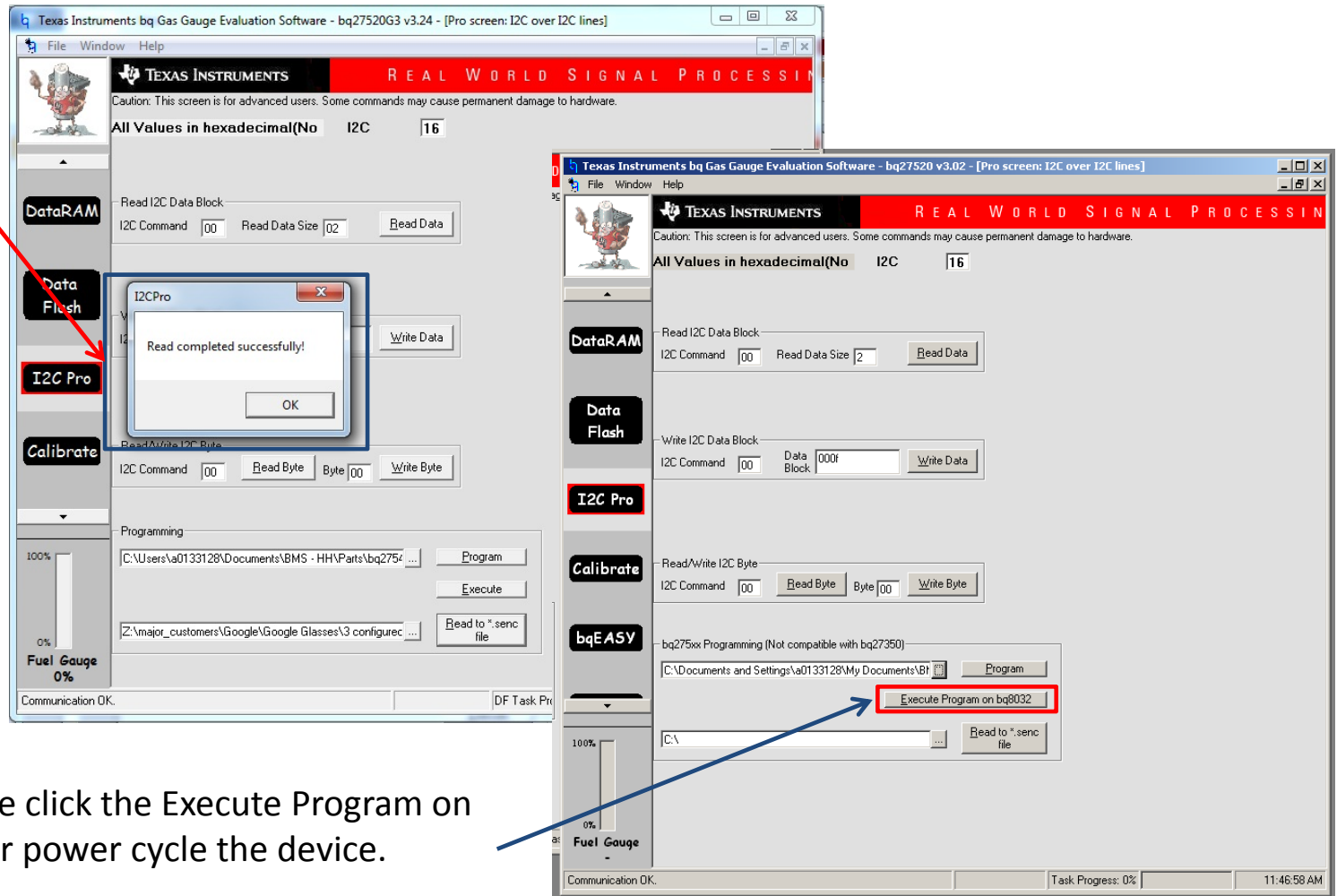Choose location of *.senc file to read from the gauge.

Click the Program button and EVSW will pop-up another window showing the reading progress.

Read out *.senc in EVSW

After the read out has completed, EVSW should pop-up a message window declaring the read successful.

To exit ROM mode click the Execute Program on bq8032 button, or power cycle the device.