Software Release Notes

Part Number: SW90142
Description: SCC – SCR Configuration and Control Tool
Release Number: 1.7
Release Date: 11/21/2011

New Features:

- The Flash Programmer utility has been updated to now check for a minimum file size before programming the main application. This is provided to avoid scenarios where the user may accidentally select the Embedded Bootloader image and program this in the Main Application space, which will cause the board to fail to run.

- The ModBus serial drivers have been updated to support reading/writing 32-bit registers, including the new use of function code 16 (0x10, "Write Multiple Holding Registers").

- The ModBus serial drivers have been updated to include a retry mechanism for failed write or read attempts. The driver will now attempt up to two retries if a message isn't transmitted successfully or if the response doesn't arrive.

- The Target Configuration window now displays "Busy Reading Target…" or "Busy Writing Target…" text above the Password box to indicate to the user when the form is busy reading or write. This is most useful for large configuration files where a configuration read or a "write all" operation may take several seconds.

- The Target Configuration window now reads the "Configuration Command Status" instrumentation register after a Reload or Reset command to determine if the command was executed successfully. The results are then displayed in a message box.

Bug Fixes:

- Fixed an issue in the Target Configuration window where the form would hang when looking for matching MSW and LSW read responses for password-protected registers when an invalid password was provided.

- Fixed an issue in the COM port interface when switching from an invalid COM port to a valid COM port after having tried to read the Target Configuration from the invalid port. This was causing the target configuration data to be received and displayed out of order.

Compatibility Notes:

- When using this version of the SCC tool, the target SCR control board must contain an embedded bootloader SW90139 Rev 1.3 or newer.

- When using this version of the SCC tool, the target SCR control board must contain firmware SW90126 Rev 1.8 or newer.