

RENESAS TOOL NEWS on April 16, 2005: RSO-H8SX-SIM-050416D

A Note on Using the Simulator Debugger for the H8S Family and H8/300 Series of MCUs --On Accessing System Control Register SYSCR--

Please take note of the following problem in using the simulator debugger for the H8S family and H8/300 series of MCUs:

- On accessing system control register SYSCR
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1. Versions Concerned

Simulator debugger V.5.1.00 through V.5.03.00 for the H8S family and H8/300 series of MCUs

(this is included with the C/C++ compiler package V.6.00.Release 00 through V.6.01 Release 00 for the H8, H8S, and H8SX families)

To check for the version number of your simulator debugger, follow these steps:

- (1) In the High-performance Embedded Workshop, open the Tool menu and select the Administration command. The Tool Administration dialog box appears.
- (2) Select the name of your simulator debugger in the Registered Components list and click the Properties button. The Properties dialog box opens.
- (3) Click the Information tab, and you see the version number of yours.

2. Description

If you select any of the simulators shown below out of the Target list in the Debug Settings dialog box* and execute a user program containing instructions for accessing the SYSCR register by byte size, a memory access error arises during accessing SYSCR:

- H8SX Normal Simulator
- H8SX Advanced Simulator

*: To see the Debug Settings dialog box, open the Debug menu and select the Debug Settings command.

3. **Workaround**

When accessing the SYSCR register, modify the program such a way as accessing it by word size.

4. **Schedule of Fixing the Problem**

We plan to fix this problem in the release of the simulator debugger V.5.04.00 for the H8S family and H8/300 series.

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