RENESAS Tool News

Note on Using the CS+ Integrated Development Environment for the RH850 Family

When using V3.00.00 of CS+ for the RH850 Family, take note of the problem regarding the following point.

- Writing to the data flash area

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1. Products Concerned
   - C Compiler and IDE for the RH850 Family
   - Evaluation edition of CS+ for CC V3.00.00 (for RX, RH850)

   This problem applies when V3.00.00 of the CS+ common program from either of the above products is used in combination with an E1, E20, or IE850 emulator to debug a project for an RH850 Family MCU.

   To check the version number of the product you have, refer to the following URL:

   https://www.renesas.com/cs+_ver

2. Description
   Undefined values might be written beyond the designated address scope when writing to the data flash area.

3. Conditions
   The problem arises when all of the conditions listed below are met:
   (1) Writing is to the data flash area
   (2) Data writing is by any of the following methods.
      - Directly from the Watch panel or by the debugger.Watch.SetValue Python function
      - By the debugger.Memory.Write or debugger.Memory.WriteRange Python function
   (3) The access size is designated as 2, 4, or 8-bytes.

4. Workaround
   Use any of the following methods to write to the data flash area when
   writing by an operation other than downloading.
   - Write from the Memory panel.
   - Designate the access size as "byte" when using Python functions
     to write.

   Refer to the following document for details of the Python functions:
    https://www.renesas.com/cs+_document
   CS+ V3.00.00 Integrated Development Environment User's Manual
   Python Console (CS+ for CC)

5. Schedule for Fixing the Problem
   This problem will be fixed in the next version of the CS+ common program.