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A Note on Using the C Compiler Package for the M16C MCU Series V.5.44 Release 00

Please take note of the following problem in using the C compiler package --M3T-NC30WA--for the M16C MCU series* V.5.44 Release 00:

- With Using SQMLint, the MISRA C rule checker

*The M16C series is the generic name of the M16C/60, /30, /20, /10, /Tiny, and R8C/Tiny series.

1. Description

When SQMLint is running managed by High-performance Embedded Workshop, a compilation error may arise if the "-ignore_files_misra" option* of SQMLint is selected, and the message "nc30: Invalid suffix" is dispatched.

*This option specifies the files to be excluded from the examinations by the MISRA C rule checker.

2. Conditions

This problem occurs if the following conditions are both satisfied:

- (1) SQMLint V.1.02 Release 00 or V.1.03 Release 00 is used.
- (2) The "-ignore_files_misra" option specifies two or more files in the dialog box to specify options in High-performance Embedded Workshop.

3. Workaround

Perform the following procedure to avoid this problem:

(1) Delete the files specified by -ignore_files_misra as follows:

- a. In High-performance Embedded Workshop, open the Build menu and select the Renesas M16C Standard Toolchain command. The Renesas M16C Standard Toolchain dialog box will appear.

- b. Select "MISRA C Rule Check" out of the Categories list in the C tab of the above dialog box.
Be sure that the To check the conformity of MISRA-C check box is checked at this time.
- c. Click the Extention button to open the Misra Extention dialog box, where the names of files specified by -ignore_files_misra have been listed. So select all the names and click the Delete button.
- d. Close the Extention dialog box.

(2) Re-specify the names of the deleted files as follows:

- a. Select Others out of the Categories pull-down list in the C tab.
- b. Type the option name -ignore_files_misra followed by the names of files to re-specify into the User-defined options text box.
Example when the names of files are stdio.h and string.h:
-ignore_files_misra stdio.h,string.h

4. Schedule of Fixing the Problem

We plan to fix this problem in the next release of the products.

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