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:
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 Extension button to open the Misra Extension 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 Extension 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.