Outline
When using the e² studio Smart Configurator Plug-in, note the following point:

1. Using compare match timer W interrupt

1.1 Applicable Products
- e² studio V5.2.0.20 (Smart Configurator Plug-in V.1.0.0)

1.2 Applicable MCUs
- RX Family: RX64M Group

1.3 Details
Even when compare match interrupt is allowed in the compare match timer W component settings, if input capture and output compare pins are not used, a code to enable compare match interrupt is not output and compare match interrupt does not work.

1.4 Condition
This problem occurs when [Enable compare match interrupt] is selected and all of the check boxes of the following pins are not selected in the compare match timer W component settings.

- When using CMTW0 unit: TIC0 pin, TIC1 pin, TOC0 pin, TOC1 pin
- When using CMTW1 unit: TIC2 pin, TIC3 pin, TOC2 pin, TOC3 pin

Figure 1 Compare Match Setting Menu on the Occurrence Condition
1.5 Workaround

Add a code to enable compare match interrupt as follows:

- Where to add
  After the R_<CMTW-configuration-name>_Create function is called, and
  before the R_<CMTW-configuration-name>_Start function is called

- Code to be added
  When using CMTW0 unit
  \[
  \text{CMTW0.CMWIOR.BIT.CMWE = 1;}
  \]
  When using CMTW1 unit
  \[
  \text{CMTW1.CMWIOR.BIT.CMWE = 1;}
  \]

- Example of adding the code
  When using the CMTW0 unit and the CMTW configuration name is Config_CMTW0
  \[
  \text{R_Config_CMTW0_Create();}
  \]
  \[
  \text{CMTW0.CMWIOR.BIT.CMWE = 1;}
  \]
  \[
  \text{R_Config_CMTW0_Start();}
  \]

1.6 Schedule for Fixing the Problem

This problem will be fixed in a later version.
Revision History

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