RENESAS Tool News

Notes on Using the Real-Time OS--RI600/4--for the RX600 Series of MCUs

When you use the real-time OS, RI600/4, for the RX600 series, RX family of MCUs, take note of the following problems:

- With issuing the ext_tsk service call
- With issuing the ena_dsp service call

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1. Product and Versions Concerned

RI600/4 V.1.00 Release 00 and V.1.00 Release 01

2. Descriptions

2.1 Problem with Issuing the ext_tsk Service Call

If an ext_tsk service call is issued, the system stack may overflow.
Note that the ext_tsk service call is also executed by returning from any task-starting function.

2.2 Problem with Issuing the ena_dsp Service Call

If an interrupt is generated while the ena_dsp service call is executed in the kernel, the following symptoms may arise:

(1) The user stack for the task that has issued the ena_dsp service call overflows.

(2) Even if the task that has issued the ena_dsp service call enters to the RUNNING state, the task's program is not performed, and an infinite loop is formed in the kernel.

3. Solutions

These problems have already been fixed in RI600/4 V.1.00 Release 02. So use this version. For how to update your product, see RENESAS TOOL NEWS Document No. 100908/tn2.
This item of news is also accessible on and after September 21 at:
https://www.renesas.com/search/keyword-search.html#genre=document&q=100908tn2