RENESAS Tool News

The Real-Time OS HI1000/4 Revised to V.1.04 Release 00

We have revised the HI1000/4 real-time OS to V.1.04 Release 00.

1. **Versions to Be Updated**
   The HI1000/4 V1.0.05, V1.0.06, V.1.01 Release 00, and V.1.03 Release 00
   for the H8SX family and the AE-5 series of MCUs

2. **Descriptions of Revision**

   2.1 **Supported MCUs Increased**
   The H8S MCU family are supported in addition to the
   H8SX family and the AE-5 series of MCUs.
   To support the H8S family, their sample programs are
   provided.

   2.2 **Problem Fixed**
   The following problem has been resolved:
   Problem:
   If the Service Call Trace Function is used, incorrect the
   Service Call Trace Information may be acquired. As a
   result, incorrect information is provided in the RTOS Trace
   window in the Debugging Extension.
   Note that the kernel properly functions except for the
   Service Call Trace Function.

   Conditions:
   This problem occurs if the following conditions are all
   satisfied:
   (1) The Target Trace (simple version) or the Tool Trace

(simple version) is used as a type of the Service Call Trace Function (CFG_TRCTYPE) in the configurator.

(2) Either of the following events takes place:

    a. A return is made from the ixxx_yyy service call.
(In this case, the value of Event [a return code from the service call] is incorrectly acquired.)

    b. During the return from a non-task context to a task context, the task that is being performed is switched to another.
(In this case, the ID of the task to which the switch is made and the ID's Event value are incorrectly acquired.)

2.3 Functions Improved

(1) Before now, the shared task stack has consumed eight bytes for its stack management regardless of whether the Shared Stack Function is used or not. However, a change has been made so that the shared task stack might consume no bytes for its stack management when the Shared Stack Function is not used.

(2) Changes have been made to the hierarchy of the directory trees to which header files and sample programs for target MCUs are saved as well as the filenames of sample programs.

2.4 User's Manual Revised

The revised edition (the second edition) is included in the product, whose filename is as follows:
REJ10B0129-0200H.pdf

3. How to Update Your Product and Purchase the Revised One

3.1 Free-of-Charge Update

Free-of-charge online update is available. If you are using the product concerned, download the installer of the product from the Download Site.

3.2 First Ordering

If you place an order for the product, please supply the

following items of information to your local Renesas Technology sales office or distributor (for the price of the product, also contact them):

Product Type	HI1000/4
Type Name	R0R41600TXW01w
Version No.	V.1.04
Release No.	Release 00
Host OS	Windows XP, Windows Me, Windows 98, Windows 2000, or Windows NT 4.0

NOTICE:

Letter w denotes the types of license. It shall be replaced with any one of the following numerals or letters:

1: License for evaluation; a real-time OS can be installed only to one host computer.

5: License for evaluation; a real-time OS can be installed up to 5 host computers.

A: License for evaluation; a real-time OS can be installed up to 10 host computers.

K: Mass-production license; a real-time OS can be embedded up to a total of 1,000 productions of product model(s) with the source code not disclosed.

U: Mass-production license; a real-time OS can be embedded up to unlimited productions of product model(s) with the source code not disclosed.

Z: Mass-production license; a real-time OS can be embedded up to unlimited productions of product model(s) with the source code disclosed.

Example:

For mass-production license up to a total of 1,000 productions with the source code not disclosed, the type name is R0R41600TXW01K.