To our customers,

Old Company Name in Catalogs and Other Documents

On April 1st, 2010, NEC Electronics Corporation merged with Renesas Technology Corporation, and Renesas Electronics Corporation took over all the business of both companies. Therefore, although the old company name remains in this document, it is a valid Renesas Electronics document. We appreciate your understanding.

Renesas Electronics website: http://www.renesas.com

April 1st, 2010
Renesas Electronics Corporation

Issued by: Renesas Electronics Corporation (http://www.renesas.com)

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RENESAS TECHNICAL UPDATE

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Product Category	User Development Environment		Document No.	TN-OS*-079A/EA	Rev.	1.0
Title	HI7700/4 Updates		Information Category	Specification Change		
Applicable Product	HI7700/4 (HS0770ITI41SRE, HS0770ITI41SRB, HS0770ITI41SRS, HS0770ITI41SRE-E, HS0770ITI41SRB-E, HS0770ITI41SRS-E)	Lot No.	Reference Document	HI7000/4 series User's Manual REJ10B0060-0300H Rev.3.0		
		All version (V1.00r1, V1.01r1, V1.0Ar1, V1.0Br1, V1.0Cr1, V1.1.00, V1.2.00)				

The HI7700/4 is updated to Ver.1.3.00.

[Updates in Kernel]

(1) Support SH4AL-DSP CPU core. The API of cache support service calls is changed for SH4AL-DSP.

(2) Support Compiler package V8/HEW3. And the support of Compiler package V5.1/HEW1.2 is deleted.

(3) The target Compiler Package version of the Kernel for compiler V7.1 is changed as follows.

   Compiler Package V7.1.00(HEW2.1) -> Compiler Package V7.1.03(HEW3)

(4) Sample programs for SH7318 and SH7641 are added.

(5) The following bug is corrected. This has been announced by Technical Update TN-OS*-074.

When an undefined interruption occurs, the system down routine receives mistaken parameters.

(6) sh7290\7290_cpuini.c : The processing which stops RWDT is added..

(7) The company name notation in the source code is changed. T_RVER.maker, which is returned from the ref_ver system call, and macro TKERNEL_MAKER for configuring the kernel are modified from 0x000a to 0x0115.

(8) T_RVER.prver, which is returned from the ref_ver system call, and macro TKERNEL_PRVER for configuring the kernel are modified from 0x0120 to 0x0130.

[Manuals]

The HI7000/4 series User's Manual is revised.

  - Japanese : Rev.3 (ADJ-702-298B) --> Rev.4 (RJJ10B0063-0400H)

  - English : Rev.2 (ADE-702-248A) --> Rev.3 (REJ10B0060-0300H)

For detail, refer to "List of Items Revised or Added for This Version" in the manual.

[Download]

The HI7700/4 V1.3.00 can be downloaded from following URL.

 http://www.renesas.com/eng/products/mpumcu/tool/download/realtime_os/itron/hi7700_4_v1300/index.html

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