## Old Company Name in Catalogs and Other Documents

On April 1<sup>st</sup>, 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: <a href="http://www.renesas.com">http://www.renesas.com</a>

April 1<sup>st</sup>, 2010 Renesas Electronics Corporation

Issued by: Renesas Electronics Corporation (<a href="http://www.renesas.com">http://www.renesas.com</a>)

Send any inquiries to http://www.renesas.com/inquiry.



## HITACHI MICROCOMPUTER TECHNICAL UPDATE

DATE	25 January 2001	No.	TN-SH7-296A/E
THEME	Cache Behavior on Stopping Store Que		
THEME			
CLASSIFICATION	☐ Spec change ☐ Limitation on Use ☐ Supplement of Documents		
PRODUCTNAME	SH7751 Lot		
REFERENCE DOCUMENTS	SH7751 Hardware Manual SH-4 Programming Manual	Re	v. Effective Date
			Eternity
When using module standby function and stopping clock supply to Store Queue (SQ), (Refer to SH7751 Hardware manual on Standby Control Register 2 at section 9.2.4), there occurs a limitation on cache behavior.  There is no limitation when clock supply to Store Queue is not stopped.			
<ol> <li>Contents</li> <li>During the power-down mode stopping clock supply to Store Queue (MSTP6 bit in STBCR2 register is set to 1), write-back from cache to external memory cannot be performed correctly.</li> </ol>			
supply to Store  (*1) Write-back  Copy-back mo  CCR.WT bit  address trans  OC address ar	ek is performed using operand cache (OC) Queue should not be used. is performed where ode is specified for operand cache write mode , or the value of the WT bit in the page manag lation is performed) or ray write is performed using memory-mapped and U bit are both 1's is generated.	selection (decid	ed by CCR.CB bit,