HITACHI SEMICONDUCTOR TECHNICAL UPDATE

Classification of Production	Development Environment			No	TN-OS*-069A/E	Rev	1
THEME	Release of HI7750/4 V1.0.04		Classification of Information	① 1. Spec change 2. Supplement of Documents 3. Limitation of Use 4. Change of Mask 5. Change of Production Line			
PRODUCT NAME	HS0775ITI41SRE, HS0775ITI41SRE-E, HS0775ITI41SRB, HS0775ITI41SRB-E, HS0775ITI41SRS, HS0775ITI41SRS-E	Lot No.	Reference Documents	HI7000/4 series User's Manual ADE-702-248 (Rev.1.0)		Effective Date	
		V1.00r1, V1.01r1, V1.0Ar1, V1.0Br1, V1.0Cr1				Forever	

The HI7750/4 V1.0.04 is released.

This version fixes the following problems and the problems which have been reported with the TECHNICAL UPDATE "HI7700/4 and HI7750/4 Bugs regarding ref_alm"(TN-OS*-063A/E).

1. The ref_alm and iref_alm might enter endless loop.

[Generation Conditions]

(1) The alarm handler specified by ref_alm or iref_alm is in a starting state.

(2) When ref_alm or iref_alm is called, the starting time of the target alarm handler is later than the 12th it of all the alarm handlers in a starting state.

(3) From the interrupt handler or time-event handler which interrupts during ref_alm or iref_alm processing, ista_alm is called to the arbitrary alarm handlers in a starting state.

2. The ref_cyc and iref_cyc might enter endless loop.

[Generation Conditions]

(1) The cyclic handler specified by ref_cyc or iref_cyc is in a starting state.

(2) When ref_cyc or iref_cyc is called, the starting time of the target cyclic handler is later than the 11th it of all the cyclic handlers in a starting state.

(3) From the interrupt handler or time-event handler which interrupts during ref_cyc or iref_cyc processing, ista_cyc is called to the arbitrary cyclic handlers in a starting state and without TA_PHS attribute.

3. When an interruption handler which interrupt level is higher than the timer interruption level (CFG_TIMINTLEVEL) calls istp_cyc to the cyclic handler [A] which has already started or the cyclic handler [B] which has TA_PHS attribute, the start time of the cycle handler [B] or other cyclic handlers might shift.

Please download HI7750/4 V1.0.04 from the following URL.

URL : http://www.hitachisemiconductor.com/sic/jsp/japan/eng/products/mpumcu/tool/download/itron.html