

# HITACHI MICROCOMPUTER TECHNICAL UPDATE

DATE	8 August 2001	No.	TN-SH7-347A/E
THEME	Note for Using Address Space Identifier in Single Virtual Memory Mode (2)		
CLASSIFICATION	<input type="checkbox"/> Spec change <input type="checkbox"/> Limitation on Use <input checked="" type="checkbox"/> Supplement of Documents		
PRODUCTNAME	SH7750, SH7750S, SH7751	Lot	ALL
REFERENCE DOCUMENTS	SH7750 Series Hardware Manual (- 5th Edition) SH7751 Series Hardware Manual (1st Edition) SH-4 Programming Manual (- 5th Edition)	Rev.	EffectiveDate
			Eternity

In single virtual memory mode, Address Space Identifier (ASID) is used to provide memory protection for processes running simultaneously while using the virtual memory space on an exclusive basis (See Section 3.3.6-3.3.7 in Hardware Manual).

Therefore, the following notice is added to the explanations of ASID in Section 3.3.7 in SH7750 Series Hardware Manual, SH7751 Series Hardware Manual, and SH-4 Programming Manual.

## 1. Contents

Note: When single virtual memory mode is specified, do not register multiple items of address translation information to TLB which have the same Virtual page number (VPN) and the different ASID.