

# RENESAS TECHNICAL UPDATE

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Product Category	MPU/MCU	Document No.	TN-SH7-A899A/E	Rev.	1.00
Title	Clearing of flags upon DTC transfer in RCAN-ET		Information Category	Technical Notification	
Applicable Product	See below.	Lot No.	Reference Document	See below.	
		All lots			

We would like to inform you of the correction of errors in the user's manuals listed below. Please refer to the following for details.

[Corrections in the User's Manuals]

The corrections of the user's manuals are described below using the SH7214 Group, SH7216 Group User's Manual: Hardware as an example.

**21.6 DTC Interface**

[Before correction (p. 1121)]

The DTC can be activated by the reception of a message in RCAN-ET mailbox 0. When DTC transfer ends after DTC activation has been set, flags of RXPR0 and RFPR0 are cleared automatically. An interrupt request due to a receive interrupt from the RCAN-ET cannot be sent to the CPU in this case. Figure 21.14 shows a DTC transfer flowchart.

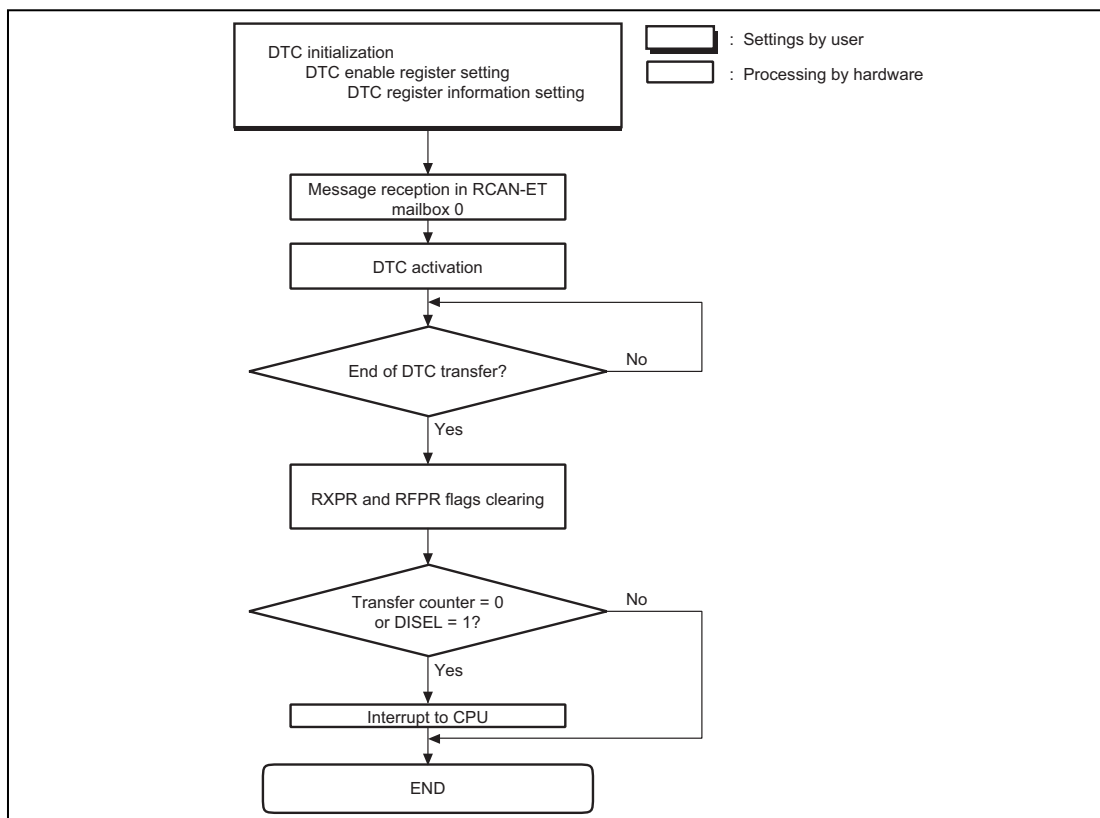


Figure 21.14 DTC Transfer Flowchart

[After correction (p. 1121)]

The DTC can be activated by the reception of a message in RCAN-ET mailbox 0. When DTC transfer ends after DTC activation has been set, flags of RXPR0 and RFPR0 are cleared automatically (except when the transfer counter = 0 or DISEL = 1). An interrupt request due to a receive interrupt from the RCAN-ET cannot be sent to the CPU in this case. However, when the transfer counter = 0 or DISEL = 1, an interrupt is sent to the CPU. Figure 21.14 shows a DTC transfer flowchart.

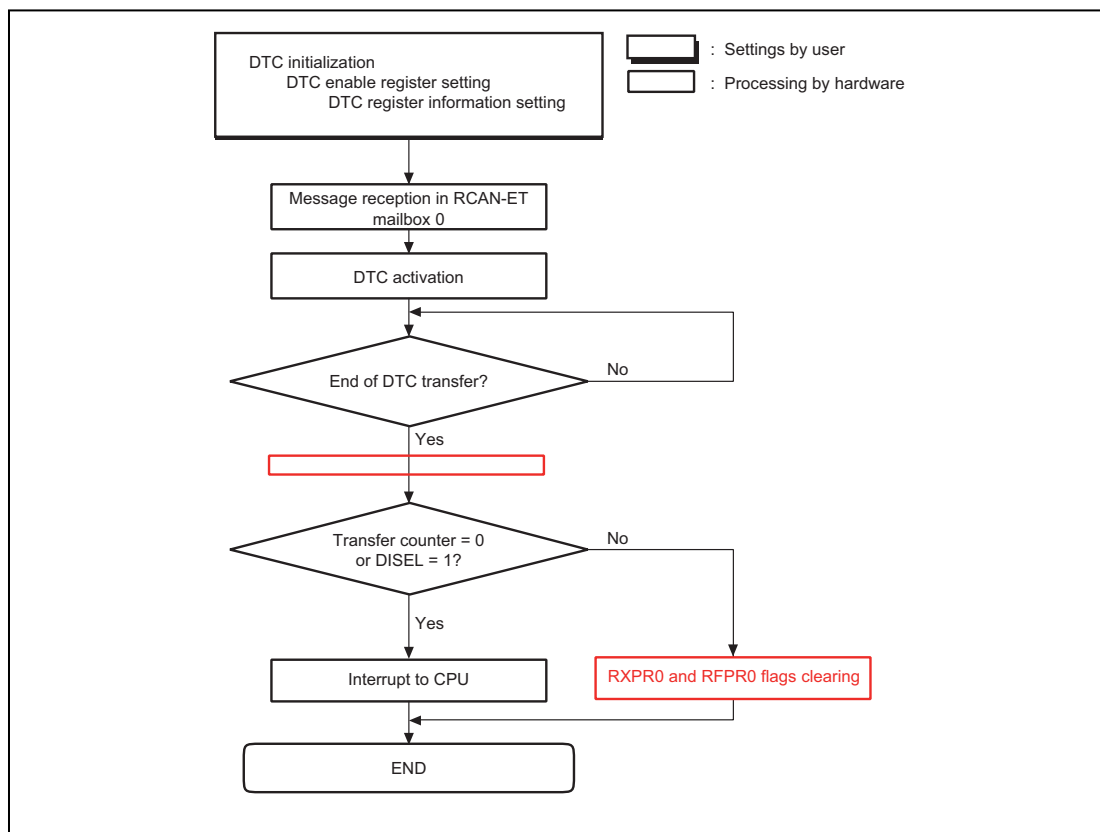


Figure 21.14 DTC Transfer Flowchart

[Applicable Products and Reference Documents]

Series	Group	Reference Document	Rev.	Ref. No.
SH7216	SH7214, SH7216	SH7214 Group, SH7216 Group User's Manual: Hardware	4.00	R01UH0230EJ0400
SH7231	SH7231	SH7231 Group User's Manual: Hardware	2.00	R01UH0073EJ0200
SH7239	SH7237, SH7239	SH7239 Group, SH7237 Group User's Manual: Hardware	2.00	R01UH0086EJ0200
SH7280	SH7286	SH7280 Group, SH7243 Group User's Manual: Hardware	3.00	R01UH0229EJ0300
SH7137	SH7131, SH7132, SH7136, SH7137	SH7137 Group Hardware Manual	3.00	REJ09B0402-0300

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