

# RENESAS TECHNICAL UPDATE

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Product Category	MPU/MCU		Document No.	TN-RX*-A186A/E	Rev.	1.00
Title	Corrections to Descriptions for the P/E Suspend Command of Flash Memory in RX630 Group, RX63N Group, RX631 Group, RX63T Group, and RX634 Group		Information Category	Technical Notification		
Applicable Product	RX630 Group, RX63N Group, RX631 Group, RX63T Group, RX634 Group	Lot No.	Reference Document	RX630 Group User's Manual: Hardware Rev.1.60 (R01UH0040EJ0160) RX63N Group, RX631 Group User's Manual: Hardware Rev.1.80 (R01UH0041EJ0180) RX63T Group User's Manual: Hardware Rev.2.20 (R01UH0238EJ0220) RX634 Group User's Manual: Hardware Rev.1.00 (R01UH0495EJ0100)		
		All				

This document describes corrections to the descriptions for the SUSRDY bit and the flow chart of the P/E suspend command in the “Flash Memory” section of User’s Manual: Hardware for the applicable products mentioned above.

Page and section numbers are based on the RX630 Group. Refer to the table on the last page for the corresponding page and section numbers in the other groups.

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Clearing conditions of the SUSRDY bit in section 43.2.11, Flash Status Register 0 (FSTATR0) are corrected as follows.

### Before Correction

[Clearing conditions]

- The FCU has accepted a P/E suspend command.
- During programming/erasure process, the FCU enters the command-locked state.

### After Correction

[Clearing conditions]

- The FCU has accepted a P/E suspend command.
- During programming/erasure process, the FCU enters the command-locked state.
- **When programming/erasure process has been completed.**

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In Figure 43.18, Procedure for Programming/Erase Suspension, a processing flow never escapes from the loop for a checking procedure if the programming/erase processing completed before checking the SUSRDY bit.

Therefore, a timeout processing and a breaking processing when the FRDY bit is 1 are to be added.

Before correction

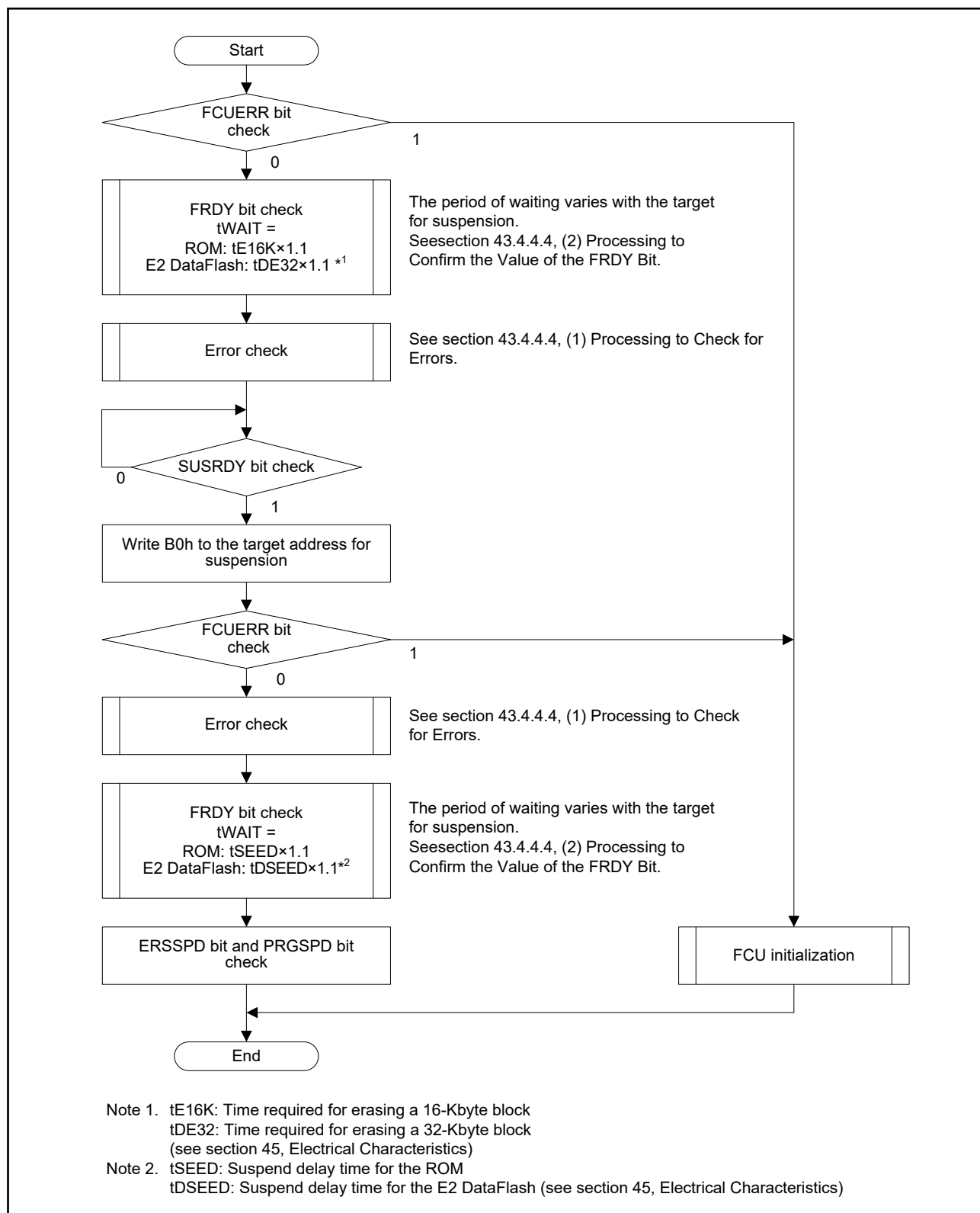


Figure 43.18 Procedure for Programming/Erase Suspension

After correction

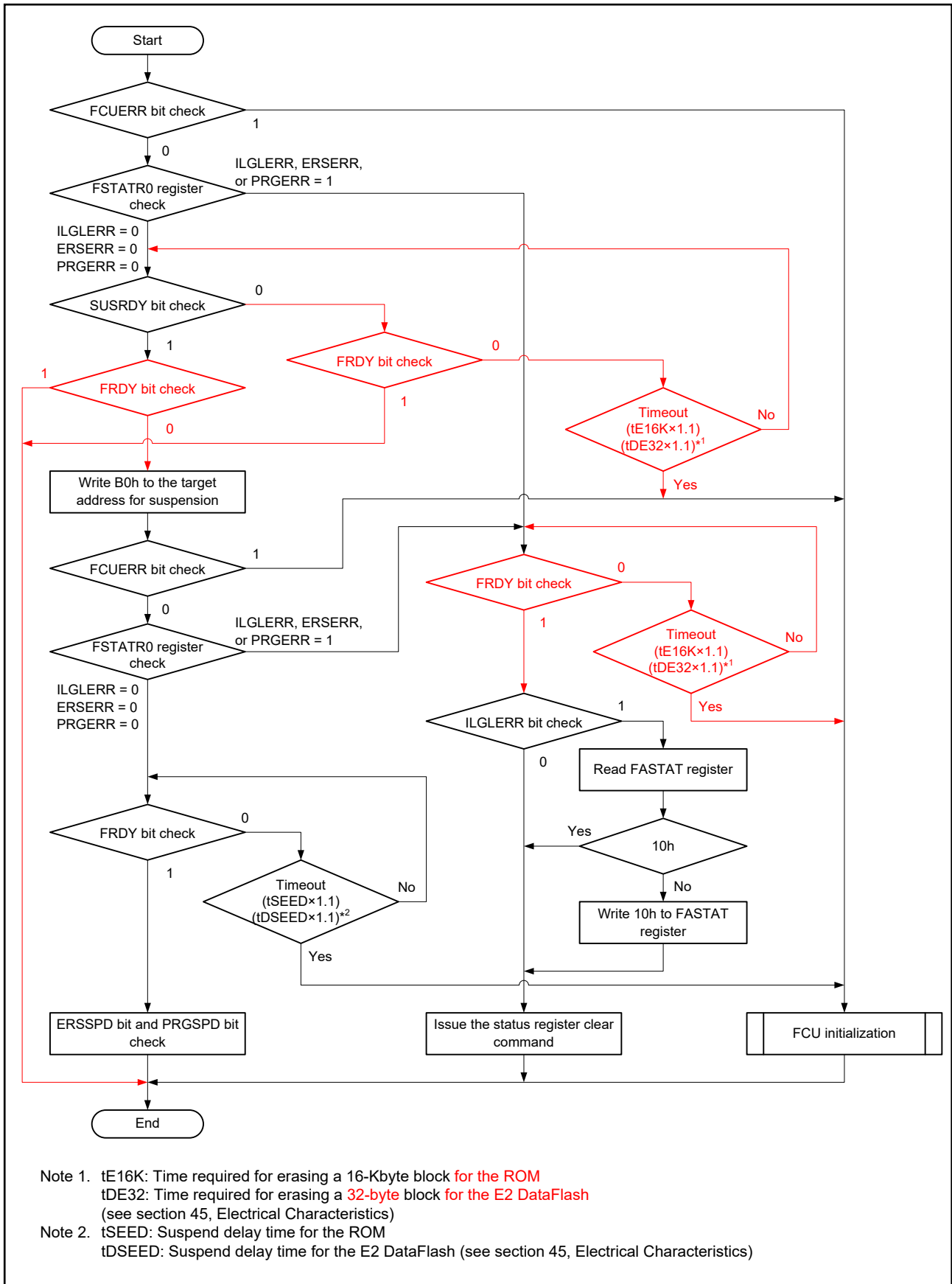


Figure 43.18 Procedure for Programming/Erasure Suspension

## •Reference Documents

Group	Manual Title	Document Number	Page	Number
RX630	RX630 Group User's Manual: Hardware Rev.1.60	R01UH0040EJ0160	Page 1506 of 1681 Page 1536 of 1681	43.2.11 Figure 43.18
RX63N RX631	RX63N Group, RX631 Group User's Manual: Hardware Rev.1.80	R01UH0041EJ0180	Page 1808 of 2029 Page 1838 of 2029	47.2.11 Figure 47.18
RX63T	RX63T Group User's Manual: Hardware Rev.2.20	R01UH0238EJ0220	Page 1673 of 1865 Page 1703 of 1865	41.2.10 Figure 41.17
RX634	RX634 Group User's Manual: Hardware Rev.1.00	R01UH0495EJ0100	Page 1368 of 1486 Page 1398 of 1486	40.2.10 Figure 40.17

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