


**PRODUCT / PROCESS CHANGE INFORMATION**

**1. PCI basic data**

<b>1.1 Company</b>	 STMicroelectronics International N.V
<b>1.2 PCI No.</b>	EMBEDDED PROCESSING/26/15933
<b>1.3 Title of PCI</b>	STM32H523x and STM32H533x Products - BootLoader & secure firmware enhancement
<b>1.4 Product Category</b>	STM32H523x and STM32H533x
<b>1.5 Issue date</b>	2026-03-20

**2. PCI Team**

<b>2.1 Contact supplier</b>	
<b>2.1.1 Name</b>	_____
<b>2.1.2 Phone</b>	_____
<b>2.1.3 Email</b>	_____
<b>2.2 Change responsibility</b>	
<b>2.2.1 Product Manager</b>	_____
<b>2.1.2 Marketing Manager</b>	_____
<b>2.1.3 Quality Manager</b>	_____

**3. Change**

<b>3.1 Category</b>	<b>3.2 Type of change</b>	<b>3.3 Manufacturing Location</b>
General Product & Design	Firmware modification : firmware is programed in the memory without effect of electrical performance at the customer (bug fix)	ST Crolles (France)

**4. Description of change**

	<b>Old</b>	<b>New</b>
<b>4.1 Description</b>	<p>Current STM32H523xx/533xx (Revision A) product System Flash Security Package (SFSP) v1.2.0 has limitations described in Errata Sheet ES0621 - Rev. 3 and :</p> <ul style="list-style-type: none"> <li>• Backup domain erased upon reset when STiRoT boot is active and the clock other than LSI selected</li> <li>• STiRoT fails if a tamper event arises during the startup</li> <li>• Tamperers are not usable with STiRoT</li> </ul>	<p>STM32H523xx/533xx (Revision A) System Flash Security Package (SFSP) v1.3.0 enhancement.</p> <p>Change of security descriptor located in Bootloader area needed for integration w/ SFSP :</p> <ul style="list-style-type: none"> <li>• The change of the SFSP descriptor located in Bootloader area has no impact on Bootloader.</li> <li>• The Bootloader binary remains unchanged.</li> <li>• Changes done in SFSP descriptor: change the address in API table for RSS services.</li> </ul> <p>- ES0621 Errata sheet "STM32H523xx and STM32H533xx device errata": Revision 3 (replacing Rev. 2).</p> <p>- AN6014 Application Note "Introduction to SFSP versions for STM32H5 MCUs" : revision 3 for new SFSP version v1.3.0 (replacing the v1.2.0).</p>
<b>4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?</b>	No impact, no datasheet change.	

**5. Reason / motivation for change**

<b>5.1 Motivation</b>	Fixes listed limitations
<b>5.2 Customer Benefit</b>	SERVICE IMPROVEMENT

**6. Marking of parts / traceability of change**

<b>6.1 Description</b>	Traceability ensured by ST internal tools
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**7. Timing / schedule**

<b>7.1 Date of qualification results</b>	2026-02-20
<b>7.2 Intended start of delivery</b>	2026-03-30
<b>7.3 Qualification sample available?</b>	Not Applicable

<b>8. Qualification / Validation</b>			
<b>8.1 Description</b>			
<b>8.2 Qualification report and qualification results</b>	In progress	<b>Issue Date</b>	

<b>9. Attachments (additional documentations)</b>
15933 Public product.pdf

<b>10. Affected parts</b>		
<b>10. 1 Current</b>		<b>10.2 New (if applicable)</b>
<b>10.1.1 Customer Part No</b>	<b>10.1.2 Supplier Part No</b>	<b>10.1.2 Supplier Part No</b>
	STM32H523RCT7TR	

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## Public Products List

Public Products are off the shelf products. They are not dedicated to specific customers, they are available through ST Sales team, or Distributors, and visible on ST.com

**PCI Title :** STM32H523x and STM32H533x Products - BootLoader & secure firmware enhancement

**PCI Reference :** EMBEDDED PROCESSING/26/15933

**Subject :** Public Products List

Dear Customer,

Please find below the Standard Public Products List impacted by the change.

STM32H523CCU6TR	STM32H523ZEJ6	STM32H523VEI7
STM32H533HEY6TR	STM32H523VCI7TR	STM32H533VEI6
STM32H523RCT6	STM32H523VET6TR	STM32H523CCU7
STM32H523ZCT6TR	STM32H523ZET7	STM32H523RET7TR
STM32H523CCU6	STM32H523VCI7	STM32H523ZET6
STM32H523CCT6TR	STM32H523CCT7	STM32H533RET6
STM32H523VET6	STM32H523RET6	STM32H523HEY6TR
STM32H523CEU6	STM32H523CET7	STM32H533ZET6
STM32H523VCT6	STM32H533ZEJ6	STM32H533CEU6
STM32H523ZCT6	STM32H523RCT6TR	STM32H533VET6
STM32H533CET6	STM32H523RCT7	STM32H523VEI7TR
STM32H523RET7	STM32H523ZCJ6	STM32H523RCT7TR
STM32H523CET6	STM32H523CET7TR	STM32H523RET6TR
STM32H533RET6TR	STM32H523VCI6	STM32H523CCU7TR
STM32H523VEI6	STM32H533VET7	STM32H523CCT6
STM32H533RET7	STM32H523VET7	

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