

## PRODUCT / PROCESS CHANGE INFORMATION

### 1. PCI basic data

1.1 Company	 STMicroelectronics International N.V
1.2 PCI No.	EMBEDDED PROCESSING/25/15376
1.3 Title of PCI	Application notes AN6140 and AN5471 enhancement for STM32WB05x, STM32WB06x, STM32WB07x, STM32WB09x, BLUENRG-LP and BLUENRG-LPS listed products.
1.4 Product Category	STM32WB05x STM32WB06x, STM32WB07x, STM32WB09x, BLUENRG-LP and BLUENRG-LPS
1.5 Issue date	2025-09-16

### 2. PCI Team

2.1 Contact supplier	
2.1.1 Name	ROBERTSON HEATHER
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2.2 Change responsibility	
2.2.1 Product Manager	Patrick AIDOUNE
2.1.2 Marketing Manager	Veronique BARLATIER
2.1.3 Quality Manager	Pascal NARCHE

### 3. Change

3.1 Category	3.2 Type of change	3.3 Manufacturing Location
General Product & Design	Modification of datasheet : Errata/error fix	Application Note update - New documentation release

### 4. Description of change

	Old	New
4.1 Description	Current STM32WB05x, STM32WB06x, STM32WB07x, STM32WB09x, BLUENRG-LP and BLUENRG-LPS products need application note updates as listed below:  - AN6140 revision 2 - How to use the secure bootloader on STM32WB0 MCUs - AN5471 revision 4 - Guidelines for UART Bootloader on BlueNRG-LP/BlueNRG-LPS/STM32WB09 MCUs	Security advisory SA0041 has been issued: Potential issue in application firmware image verification by STM32WB0x / BlueNRG-LPx secure bootloader  As a consequence STM32WB05x, STM32WB06x, STM32WB07x, STM32WB09x, BLUENRG-LP and BLUENRG-LPS products Application Notes documents listed below have been updated accordingly.  New revision is available for : - AN6140 revision 3 (April 2025): How to use the secure bootloader on STM32WB0 MCUs - AN5471 revision 6 (August 2025): Guidelines for UART Bootloader on BlueNRG-LP/BlueNRG-LPS, and STM32WB0 series MCUs.
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	No impact on Form, Fit, Function. Firmware has not been modified, hardware has not been modified. Only application notes listed above have been enhanced.	

### 5. Reason / motivation for change

5.1 Motivation	SA0041 Security Advisory - Potential issue in application firmware image verification by STM32WB0x and BLUENRG-LPx secure bootloader.
5.2 Customer Benefit	SERVICE IMPROVEMENT

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

6.1 Description	Not applicable.
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### 7. Timing / schedule

7.1 Date of qualification results	2025-05-26
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7.2 Intended start of delivery	2025-07-02
7.3 Qualification sample available?	Not Applicable

#### 8. Qualification / Validation

8.1 Description	15376 Qualification not applicable.pdf	
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date 2025-09-16

#### 9. Attachments (additional documentations)

15376 Public product.pdf  
15376 Qualification not applicable.pdf

#### 10. Affected parts

10. 1 Current		10.2 New (if applicable)
10.1.1 Customer Part No	10.1.2 Supplier Part No	10.1.2 Supplier Part No
	BLUENRG-332AC	
	BLUENRG-332AT	
	BLUENRG-332VC	
	BLUENRG-332VT	
	BLUENRG-345AC	
	BLUENRG-345AT	
	BLUENRG-345MC	
	BLUENRG-345MT	
	BLUENRG-345VC	
	BLUENRG-345VT	
	BLUENRG-355AC	
	BLUENRG-355AT	
	BLUENRG-355MC	
	BLUENRG-355MT	
	BLUENRG-355VC	
	BLUENRG-355VT	
	STM32WB05KNV6TR	
	STM32WB05KZV6TR	
	STM32WB05TNF6TR	
	STM32WB05TZF6TR	
	STM32WB07CCF6TR	
	STM32WB07CCV6TR	
	STM32WB09KEV6TR	
	STM32WB09KEV7TR	
	STM32WB09TEF7TR	

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