


# 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	<p>Current STM32WB05x, STM32WB06x, STM32WB07x, STM32WB09x, BLUENRG-LP and BLUENRG-LPS products need application note updates as listed below:</p> <ul style="list-style-type: none"> <li>- AN6140 revision 2 - How to use the secure bootloader on STM32WB0 MCUs</li> <li>- AN5471 revision 4 - Guidelines for UART Bootloader on BlueNRG-LP/BlueNRG-LPS/STM32WB09 MCUs</li> </ul>	<p>Security advisory SA0041 has been issued: Potential issue in application firmware image verification by STM32WB0x / BlueNRG-LPx secure bootloader</p> <p>As a consequence STM32WB05x, STM32WB06x, STM32WB07x, STM32WB09x, BLUENRG-LP and BLUENRG-LPS products Application Notes documents listed below have been updated accordingly.</p> <p>New revision is available for :</p> <ul style="list-style-type: none"> <li>- AN6140 revision 3 (April 2025): How to use the secure bootloader on STM32WB0 MCUs</li> <li>- AN5471 revision 6 (August 2025): Guidelines for UART Bootloader on BlueNRG-LP/BlueNRG-LPS, and STM32WB0 series MCUs.</li> </ul>
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	<p>No impact on Form, Fit, Function. Firmware has not been modified, hardware has not been modified. Only application notes listed above have been enhanced.</p>	

## 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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