


**PRODUCT / PROCESS CHANGE NOTIFICATION**

**1. PCN basic data**

<b>1.1 Company</b>		STMicroelectronics International N.V
<b>1.2 PCN No.</b>	AMS/15/9546	
<b>1.3 Title of PCN</b>	Product Change Notification on selected BlueNRG products - VMA Division	
<b>1.4 Product Category</b>	Selected BlueNRG products (see product list)	
<b>1.5 Issue date</b>	2015-12-14	

**2. PCN Team**

<b>2.1 Contact supplier</b>	
<b>2.1.1 Name</b>	MARSHALL DAVE
<b>2.1.2 Phone</b>	
<b>2.1.3 Email</b>	dave.marshall@st.com
<b>2.2 Change responsibility</b>	
<b>2.2.1 Product Manager</b>	Andrea Mario ONETTI
<b>2.1.2 Marketing Manager</b>	Marco VENERI
<b>2.1.3 Quality Manager</b>	Jean-Marc BUGNARD

**3. Change**

<b>3.1 Category</b>	<b>3.2 Type of change</b>	<b>3.3 Manufacturing Location</b>
General Product & Design	Modification of datasheet	ST Calamba Amkor

**4. Description of change**

	Old	New
<b>4.1 Description</b>	Datasheet doesn't mention neither the firmware version nor the way to upgrade it.	Datasheet will describe the way to manage firmware "The stack is stored on the on-chip non-volatile Flash memory and can be easily upgraded via SPI. The device comes pre-programmed with a production-ready stack image (whose version could change at any time without notice)", and how to upgrade it "Stack image can be downloaded from the ST web site and programmed on the device through the ST provided software tools". BLUENRGQSP and BLUENRGQTR stack will support "slave only" operation."
<b>4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?</b>	Provided customer firmware verification/upgrade is done, the change will have no impact on form, fit, function, reliability or processability.	

**5. Reason / motivation for change**

<b>5.1 Motivation</b>	This change will clarify the way to manage and upgrade firmware version.
<b>5.2 Customer Benefit</b>	SERVICE IMPROVEMENT

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

<b>6.1 Description</b>	Parts have to be considered pre-programmed with a firmware whose version can be changed without notice. Firmware traceability will be ensured via information stored in the non-volatile flash memory. The firmware version can be retrieved at run-time via software API
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**7. Timing / schedule**

<b>7.1 Date of qualification results</b>	2015-11-27
<b>7.2 Intended start of delivery</b>	2016-02-21
<b>7.3 Qualification sample available?</b>	Upon Request

<b>8. Qualification / Validation</b>			
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<b>8.1 Description</b>	9546_FG firmware version.pdf		
<b>8.2 Qualification report and qualification results</b>	Available (see attachment)	<b>Issue Date</b>	2015-12-14

<b>9. Attachments (additional documentations)</b>			
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9546PpPrdtLst.pdf 9546_FG firmware version.pdf			
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<b>10. Affected parts</b>		
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<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>
2460183	BLUENRGQTR	

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