


**PRODUCT / PROCESS CHANGE NOTIFICATION**

**1. PCN basic data**

<b>1.1 Company</b>		STMicroelectronics International N.V
<b>1.2 PCN No.</b>	AMS/19/10425	
<b>1.3 Title of PCN</b>	Product Change Notification on selected BlueNRG-1 products	
<b>1.4 Product Category</b>	BlueNRG-1 products: BlueNRG-132 and BlueNRG-134	
<b>1.5 Issue date</b>	2019-01-17	

**2. PCN Team**

<b>2.1 Contact supplier</b>	
<b>2.1.1 Name</b>	MARCELI SMIALKOWSKI
<b>2.1.2 Phone</b>	+44 1628896277
<b>2.1.3 Email</b>	marceli.smialkowski@st.com
<b>2.2 Change responsibility</b>	
<b>2.2.1 Product Manager</b>	Maria Rosa BORGHI
<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	Die redesign: Mask or mask set change with new die design - Design changes in active elements.	Front End = ST Calamba (Philippines)

**4. Description of change**

	Old	New
<b>4.1 Description</b>	1) Register DIE_ID return 0x111. 2) BOR operating voltage down to 2.1V	1) Register DIE_ID now return 0x113. 2) Extended BOR operating voltage down to 1.7V 3) Fix on SWD interface. 4) Minor functional fixes on AUXADC. 5) Other minor changes to improve the ST manufacturing FT yield. 6) Modification of datasheet and errata sheet.
<b>4.2 Anticipated Impact on form, fit, function, quality, reliability or processability?</b>	No impact on form, fit, function, reliability or processability.	

**5. Reason / motivation for change**

<b>5.1 Motivation</b>	Following Divisional commitment towards continuous improvement, the existing BLUENRG-1 design has been improved to enhance the features and/or performance to improve ST manufacturing FT yield.
<b>5.2 Customer Benefit</b>	SERVICE IMPROVEMENT

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

<b>6.1 Description</b>	Finish Good change, date-code and DIE_ID register value.
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**7. Timing / schedule**

<b>7.1 Date of qualification results</b>	2018-12-18
<b>7.2 Intended start of delivery</b>	2019-04-14
<b>7.3 Qualification sample available?</b>	Upon Request

**8. Qualification / Validation**

<b>8.1 Description</b>	10425 BlueNRG1 PCN 10425 ReliabilityEvaluationReport_.pdf
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8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2019-01-17
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<b>9. Attachments (additional documentations)</b>
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10425 Public product.pdf 10425 BlueNRG1 PCN 10425 ReliabilityEvaluationReport_.pdf
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<b>10. Affected parts</b>
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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-132	

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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

**PCN Title** : Product Change Notification on selected BlueNRG-1 products

**PCN Reference** : AMS/19/10425

**Subject** : Public Products List

Dear Customer,

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

BLUENRG-134	BLUENRG-132	
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