


**PRODUCT / PROCESS CHANGE INFORMATION**

**1. PCI basic data**

<b>1.1 Company</b>		STMicroelectronics International N.V
<b>1.2 PCI No.</b>	MDG/17/10090	
<b>1.3 Title of PCI</b>	M24SRxx: new rule replacing I2C DESELECT command and update on device commands.	
<b>1.4 Product Category</b>	M24SRxx products	
<b>1.5 Issue date</b>	2017-01-31	

**2. PCI 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>	Benoit RODRIGUES
<b>2.1.2 Marketing Manager</b>	Sylvain FIDELIS
<b>2.1.3 Quality Manager</b>	Rita PAVANO

**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	N/A

**4. Description of change**

	Old	New
<b>4.1 Description</b>	I2C DESELECT command	- A new rule to implement I2C token release which is replacing the I2C DESELECT command in all M24SRxx products and - Additional information about best usage and restrictions of the device commands to fulfill proper tag operations.
<b>4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?</b>	- Function: * I2C token release function is not intrinsically changed. Only rules and commands handling it are modified (including Deselect command deprecation on I2C side). * Affected commands for overall tag operation improvements and specification of restrictions: NDEF Select, UpdateBinary, UpdateFileType, ReadBinary, ExtendedReadBinary.	

**5. Reason / motivation for change**

<b>5.1 Motivation</b>	The M24SRxx implements an arbitration scheme between the RF Reader and I2C host to grant access form either side during communication. Under certain Vcc conditions, this arbitration might unexpectedly be blocked on I2C side. The new rule removes such a constraint and makes the arbitration scheme fully robust no matter the Vcc conditions.  In addition, details are provided for specific device commands in order to improve compliancy to NFC Forum and enhance the overall tag operations.
<b>5.2 Customer Benefit</b>	QUALITY IMPROVEMENT

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

<b>6.1 Description</b>	N/A
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**7. Timing / schedule**

<b>7.1 Date of qualification results</b>	2017-01-31
<b>7.2 Intended start of delivery</b>	2017-01-31
<b>7.3 Qualification sample available?</b>	Not Applicable

<b>8. Qualification / Validation</b>			
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<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>			
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10090 Public product.pdf 10090 PCI NEW SEQUENCE to replace I2C DESELECT and other commands information for M24SR products - for Notice.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>
	M24SR02-YMN6T/2	
2396457	M24SR64-YDW6T/2	
2396458	M24SR64-YMC6T/2	
2396456	M24SR64-YMN6T/2	

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