


PRODUCT / PROCESS CHANGE INFORMATION

1. PCI basic data

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

2. PCI Team

2.1 Contact supplier	
2.1.1 Name	FRANK WOLINSKI
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2.2 Change responsibility	
2.2.1 Product Manager	Benoit RODRIGUES
2.1.2 Marketing Manager	Sylvain FIDELIS
2.1.3 Quality Manager	Rita PAVANO

3. Change

3.1 Category	3.2 Type of change	3.3 Manufacturing Location
General Product & Design	Modification of datasheet	N/A

4. Description of change

	Old	New
4.1 Description	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.
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	- 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

5.1 Motivation	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.
5.2 Customer Benefit	QUALITY IMPROVEMENT

6. Marking of parts / traceability of change

6.1 Description	N/A
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7. Timing / schedule

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

8. Qualification / Validation			
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8.1 Description			
8.2 Qualification report and qualification results	In progress	Issue Date	

9. Attachments (additional documentations)			
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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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10. Affected parts		
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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
	M24SR02-YMN6T/2	

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