


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	ROBERTSON HEATHER
2.1.2 Phone	+1 8475853058
2.1.3 Email	heather.robertson@st.com
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
------------------------	-----

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

8.1 Description			
8.2 Qualification report and qualification results	In progress	Issue Date	

9. Attachments (additional documentations)

10090 Public product.pdf
10090 PCI NEW SEQUENCE to replace I2C DESELECT and other commands information for M24SR products - for Notice.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	
	M24SR02-YDW6T/2		
	M24SR02-YMC6T/2		
	M24SR02-YMN6T/2		
	M24SR04-GMC5T/2		
	M24SR04-YDW6T/2		
	M24SR04-YMC6T/2		
	M24SR04-YMN6T/2		
	M24SR16-YDW6T/2		
	M24SR16-YMC6T/2		
	M24SR16-YMN6T/2		
	M24SR64-YDW6T/2		
	M24SR64-YMC6T/2		
	M24SR64-YMN6T/2		



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

PCI Title : M24SRxx: new rule replacing I2C DESELECT command and update on device commands.

PCI Reference : MDG/17/10090

Subject : Public Products List

Dear Customer,

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

M24SR16-YDW6T/2	M24SR64-YMC6T/2	M24SR04-GMC5T/2
M24SR02-YMC6T/2	M24SR16-YMN6T/2	M24SR02-YMN6T/2
M24SR64-YMN6T/2	M24SR04-YMC6T/2	M24SR02-YDW6T/2
M24SR16-YMC6T/2	M24SR04-YDW6T/2	M24SR04-YMN6T/2
M24SR64-YDW6T/2		



IMPORTANT NOTICE – PLEASE READ CAREFULLY

STMicroelectronics NV and its subsidiaries (“ST”) reserve the right to make changes, corrections, enhancements, modifications, and improvements to ST products and/or to this document at any time without notice. Purchasers should obtain the latest relevant information on ST products before placing orders. ST products are sold pursuant to ST’s terms and conditions of sale in place at the time of order acknowledgement.

Purchasers are solely responsible for the choice, selection, and use of ST products and ST assumes no liability for application assistance or the design of Purchasers’ products.

No license, express or implied, to any intellectual property right is granted by ST herein.

Resale of ST products with provisions different from the information set forth herein shall void any warranty granted by ST for such product.

ST and the ST logo are trademarks of ST. All other product or service names are the property of their respective owners.

Information in this document supersedes and replaces information previously supplied in any prior versions of this document.