


PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCN No.	MDG/18/10703	
1.3 Title of PCN	TSMC (Taiwan) additional source for STM32F745/6 & STM32F756 products in M10/90nm technology	
1.4 Product Category	STM32F745/6 & STM32F756 products in M10/90nm technology	
1.5 Issue date	2018-04-25	

2. PCN Team

2.1 Contact supplier	
2.1.1 Name	MARCELI SMIALKOWSKI
2.1.2 Phone	+44 1628896277
2.1.3 Email	marceli.smialkowski@st.com
2.2 Change responsibility	
2.2.1 Product Manager	Michel BUFFA
2.1.2 Marketing Manager	Veronique BARLATIER
2.1.3 Quality Manager	Pascal NARCHE

3. Change

3.1 Category	3.2 Type of change	3.3 Manufacturing Location
Transfer	Line transfer for a full process or process brick (process step, control plan, recipes) from one site to another site: Wafer fabrication	TSMC Fab14 (Taiwan)

4. Description of change

	Old	New
4.1 Description	Front-end source: - ST Crolles CRL300 (France)	Front-end sources: - ST Crolles CRL300 (France) - Existing source - TSMC Fab14 (Taiwan) - Additional source - There is no change in the product functionality. Please refer to PCN 10703 – Additional information attached document.
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	no change	

5. Reason / motivation for change

5.1 Motivation	Due to the success on the market of STM32 devices, ST Microcontrollers Division decided to qualify an additional front-end site to maintain state of the art service level to our customers thanks to extra capacity.
5.2 Customer Benefit	CAPACITY INCREASE

6. Marking of parts / traceability of change

6.1 Description	Change is visible through diffusion traceability plant, in the marking: - "VQ" for ST Crolles CRL300 (France) - "9R" for TSMC Fab14 (Taiwan) Please refer to PCN 10703 – Additional information attached document.
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7. Timing / schedule

7.1 Date of qualification results	2018-07-27
7.2 Intended start of delivery	2018-07-27
7.3 Qualification sample available?	Not Applicable

8. Qualification / Validation

8.1 Description	10703 MDG-MCD RER1715 - PCN10333 - PCN10544 - PCN10595 - PCN10703 TSMC Taiwan.pdf
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8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2018-04-25
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9. Attachments (additional documentations)

10703 Public product.pdf
 10703 PCN10703_Division Note M10 Additional Source.pdf
 10703 MDG-MCD RER1715 - PCN10333 - PCN10544 - PCN10595 - PCN10703 TSMC Taiwan.pdf
 10703 PCN10703_Additional information.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
	STM32F745IGT6	
	STM32F745ZGT6	
	STM32F746BET6	
	STM32F746BGT6	
	STM32F746NGH6	
	STM32F746VET6	
	STM32F756BGT6	

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Public Products List

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PCN Title : TSMC (Taiwan) additional source for STM32F745/6 & STM32F756 products in M10/90nm technology

PCN Reference : MDG/18/10703

Subject : Public Products List

Dear Customer,

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

STM32F746IGT7	STM32F756IGT6	STM32F745VEH6
STM32F746ZGY6TR	STM32F746IGK6	STM32F745IET6
STM32F745IGT6	STM32F745VET6	STM32F745IGK6
STM32F756ZGT6	STM32F746IEK6	STM32F746VGT6
STM32F745IEK6	STM32F746IGT6	STM32F746NGH7
STM32F756IGK6	STM32F746NGH6G	STM32F756ZGY6TR
STM32F746VEH6	STM32F746ZET6	STM32F745IGK6TR
STM32F746NEH6	STM32F745IEK7TR	STM32F746VGH6
STM32F746NGH6	STM32F745ZET6	STM32F756VGT6
STM32F746VGT7	STM32F756VGH6	STM32F746IET6
STM32F745VGT6	STM32F746VET6TR	STM32F746ZGT6
STM32F746ZGT7	STM32F746ZEY6TR	STM32F745IEK7
STM32F746VET6	STM32F745ZGT7	STM32F746IGK7
STM32F756NGH6	STM32F745VEH6TR	STM32F745ZGT6
STM32F746BGT6	STM32F745VGH6	STM32F756BGT6
STM32F746BGT7	STM32F746BET6	



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