


**PRODUCT / PROCESS CHANGE NOTIFICATION**

**1. PCN basic data**

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

**2. PCN 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>	Michel BUFFA
<b>2.1.2 Marketing Manager</b>	Veronique BARLATIER
<b>2.1.3 Quality Manager</b>	Pascal NARCHE

**3. Change**

<b>3.1 Category</b>	<b>3.2 Type of change</b>	<b>3.3 Manufacturing Location</b>
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**

	<b>Old</b>	<b>New</b>
<b>4.1 Description</b>	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.
<b>4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?</b>	no change	

**5. Reason / motivation for change**

<b>5.1 Motivation</b>	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.
<b>5.2 Customer Benefit</b>	CAPACITY INCREASE

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

<b>6.1 Description</b>	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**

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

**8. Qualification / Validation**

<b>8.1 Description</b>	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
	STM32F745IET6	
	STM32F745IGK6	
	STM32F745VET6	
	STM32F745VGT6	
	STM32F746IGK6	
	STM32F746IGT6	
	STM32F745IGT6	
	STM32F745ZET6	
	STM32F745ZGT6	
	STM32F746NEH6	
	STM32F746NGH6	
	STM32F746ZEY6TR	
	STM32F756IGK6	
	STM32F756IGT6	
	STM32F756NGH6	
	STM32F756VGT6	

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