


**PRODUCT / PROCESS CHANGE NOTIFICATION**

**1. PCN basic data**

1.1 Company		STMicroelectronics International N.V
1.2 PCN No.	ADG/19/11711	
1.3 Title of PCN	L9906x / L9907x (UQ29): New Final Test Platform Introduction (HATINA)	
1.4 Product Category	see list	
1.5 Issue date	2019-08-07	

**2. PCN Team**

<b>2.1 Contact supplier</b>	
2.1.1 Name	ROBERTSON HEATHER
2.1.2 Phone	+1 8475853058
2.1.3 Email	heather.robertson@st.com
<b>2.2 Change responsibility</b>	
2.2.1 Product Manager	Maurizio GALLINARI
2.1.2 Marketing Manager	Massimo BARNI
2.1.3 Quality Manager	Marcello Donato MENCHISE

**3. Change**

3.1 Category	3.2 Type of change	3.3 Manufacturing Location
Equipment (EWS-FT)	Tester or prober duplication : qualification of a new equipment, which type (brand, and/or model, and/or options) already exists and is used on same application	ST Muar (Malaysia)

**4. Description of change**

	Old	New
4.1 Description	Advantest T2000	Microtest Hatina and Advantest T2000
4.2 Anticipated Impact on form, fit, function, quality, reliability or processability?	No impact	

**5. Reason / motivation for change**

5.1 Motivation	Capacity Increase
5.2 Customer Benefit	CAPACITY INCREASE

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

6.1 Description	Internal Traceability and date-code
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**7. Timing / schedule**

7.1 Date of qualification results	2019-10-31
7.2 Intended start of delivery	2019-11-29
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)**

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
	L9907	
	L9907TR	

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Public Products List

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PCN Title : L9906x / L9907x (UQ29): New Final Test Platform Introduction (HATINA)

PCN Reference : ADG/19/11711

Subject : Public Products List

Dear Customer,

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

L9907	L9907TR	
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## PRODUCT/PROCESS CHANGE NOTIFICATION

**SUBJECT** L9906x / L9907x (UQ29): New Final Test Platform Introduction (HATINA)

<b>IMPACTED PRODUCTS</b>	<p>ST silicon line UQ29 assembled in TQFP 64 10x10x1.0 1.0 ExPad Down package:</p> <ul style="list-style-type: none"> <li> L9906</li> <li> L9906C</li> <li> L9906CTR</li> <li> L9906TR</li> <li> L9907</li> <li> L9907TR</li> </ul>
<b>MANUFACTURING STEP</b>	Electrical Final Test
<b>INVOLVED PLANT</b>	ST Muar Plant (Malaysia)
<b>CHANGE REASON</b>	Service and Capacity improvement.
<b>CHANGE DESCRIPTION</b>	Qualification of new test equipment model Microtest Hatina vs. current Advantest T2000.
<b>TRACEABILITY</b>	Internal Traceability and date-code.
<b>VALIDATION</b>	Validation is going to be performed through standard correlation exercise, as foreseen for Final Test new equipment model introduction (see below ZVEI Delta Qualification Matrix).

<div>Show Text</div>				Evaluation level A / B / C		Electrical Distribution  Parameter Analysis Comparison of current with changed device characterization, electrical distribution
<div>Values: Show Rows</div>		<div>Values: Show Columns</div>				
<div></div>	<div>Assessment of impact on Supply Chain regarding following aspects</div> <ul style="list-style-type: none"><li>- contractual agreements</li><li>- technical interface of processability/manufacturability of customer</li><li>- form, fit, function, quality performance, reliability</li></ul>		<div>Remaining risks on Supply Chain?</div>		<div>A: Application level B: Board level C: Component level *: Not relevant for qualification matrix</div>	
ID	Type of change		No	Yes		
ANY						EE5
DATA SHEET						
DESIGN						
PROCESS - WAFER PRODUCTION						
BARE DIE						
PROCESS - ASSEMBLY						
PACKING/SHIPPING						
EQUIPMENT						
SEM-EQ-03	Change in final test equipment type that uses a different technology.		P	P	C	• •

Validation package will consist of following contents:

- Limit and Completeness Check
- Robustness Trial
- T2000 vs Hatina GR&R (Anova method)
- CPK Evaluation

Acceptance criteria based on variation analysis (values reported inside final report).

#### CURRENT PRODUCTS

Following Hatina qualification, it will become the main test equipment for device production.

#### REPORTS

In progress