


PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company	 STMicroelectronics International N.V
1.2 PCN No.	ADG/22/13845
1.3 Title of PCN	STx130N6F7, STL90N6F7, STL20N6x, STD80N6F7 (OD6D01,OD6C01): Activation of Fab 3 in HHGrace (Industrial segment)
1.4 Product Category	see list
1.5 Issue date	2022-12-21

2. PCN 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	Mario ASTUTI
2.1.2 Marketing Manager	Michele SCUTO, Anna RANIOLO
2.1.3 Quality Manager	Daniela FAZIO

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	HHGrace Fab3 receiving Fab

4. Description of change

	Old	New
4.1 Description	HHGrace Fab2 (China)	HHGrace Fab3 (China) + ST SG8 (AngMoKio - Singapore)
4.2 Anticipated Impact on form, fit, function, quality, reliability or processability?	No Impact	

5. Reason / motivation for change

5.1 Motivation	Following PCN 13051 Fab3 in HHGrace will be activated
5.2 Customer Benefit	SERVICE CONTINUITY

6. Marking of parts / traceability of change

6.1 Description	Dedicated Finished Good Codes
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7. Timing / schedule

7.1 Date of qualification results	2022-12-15
7.2 Intended start of delivery	2023-04-03
7.3 Qualification sample available?	Upon Request

8. Qualification / Validation

8.1 Description	13845 Validation.zip		
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2022-12-21

9. Attachments (additional documentations)

13845 Public product.pdf 13845 Validation.zip 13845 Details.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
	STB130N6F7	
	STD130N6F7	
	STL130N6F7	
	STL20N6F7	
	STL90N6F7	
	STP130N6F7	

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PRODUCT/PROCESS CHANGE NOTIFICATION

TITLE	SHI % \$B*: +žGH@ \$B*: +žGH@ \$B* I žGH8, \$B*: +fC8*8\$%žC8*7\$%ž 5 Wj Ujcb'cZ: UV'' j b'<<; fUW'fXbXi gh]U'gY[a YbK
IMPACTED PRODUCTS	See list
MANUFACTURING STEP	Silicon Diffusion
INVOLVED PLANT	HHGrace fab3 (China)
CHANGE REASON	Capacity increase
CHANGE DESCRIPTION	HHGrace fab3 will be activated for a mixed flow (see details below)
TRACEABILITY	Dedicated Finished Good codes
VALIDATION	QualificationÁ•~ o Á & á^áÁ Á@ Á[{ { ~ } Áää } FH I I ÁKää } Èā



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OFT60 Technology (Industrial segment) Activation of Fab3 in HHG for OD6D01 & OD6C01

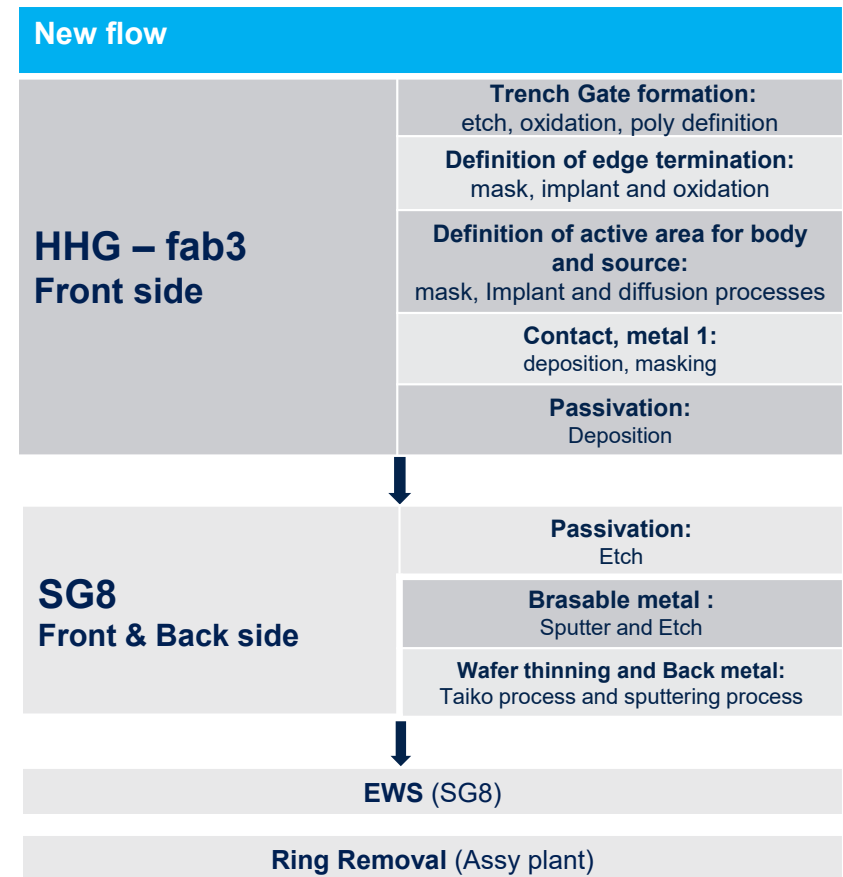
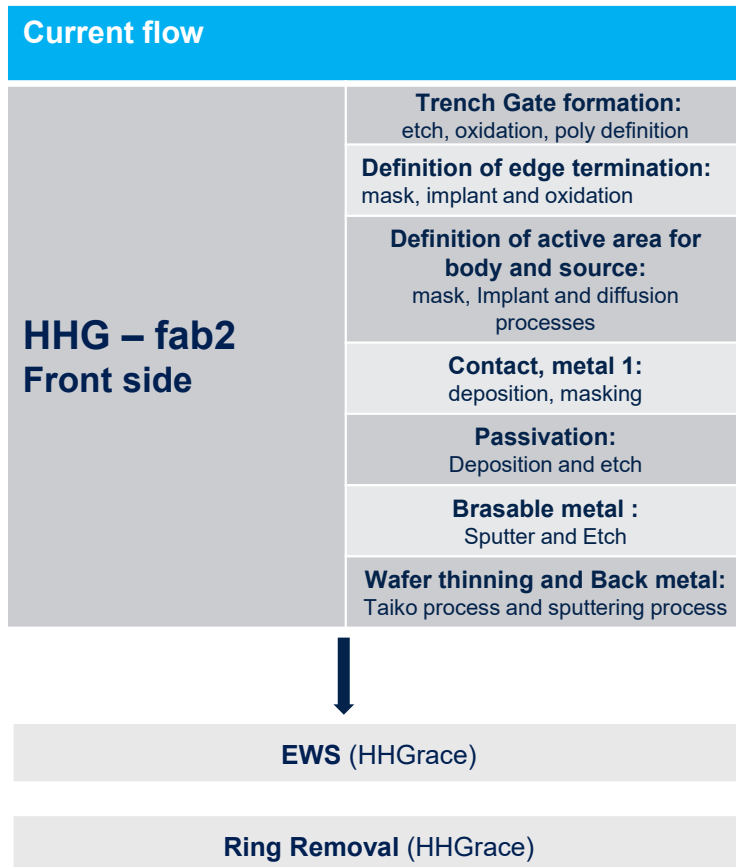
Agenda

- 1 Change Description
- 2 Current flow versus new one
- 3 Impacted Products and Reliability Summary Table

Change description

- Qualification activity of HHGrace Fab3 to activate diffusion of OFT60 Technology (Industrial segment) completed
- The activity was driven by OD6801 & OD6E01 (PCN13051 released Oct'21).
- A change in diffusion flow is introduced with activation of Fab3 and it is described in the next slide. The diffusion process flow performed in Fab3 is the same of Fab2
- No change in product characteristics

Current flow versus New one



Impacted products and reliability summary

Line	Package	Plant	Product	Qualification Test Vehicle	Reliability Report
OD6D01	POWER FLAT 5x6	TFME	STL130N6F7	OD6801	RRLGS210032
	TO220	STS	STP130N6F7	OD6801	RERLGS22005
	D2PAK	STS	STB130N6F7	OD6D01	RERLGS22005
	DPAK	STS	STD130N6F7	OD6E01	RERLGS22005
OD6C01	POWER FLAT 5x6	TFME	STL90N6F7	OD6801	RRLGS210032
	POWER FLAT 3x3	TFME	STL20N6F7	OD6C01	RERLVIP22013
	DPAK	TFME	STD80N6F7	OD6E01	RERLVIP22013
	DPAK	STS	STD80N6F7	OD6E01	RERLGS22005



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

PCN Title : STx130N6F7, STL90N6F7, STL20N6x, STD80N6F7 (OD6D01,OD6C01): Activation of Fab 3 in HHGrace (Industrial segment)

PCN Reference : ADG/22/13845

Subject : Public Products List

Dear Customer,

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

STL90N6F7	STP130N6F7	STB130N6F7
STD130N6F7	STL130N6F7	STD80N6F7
STL20N6F7		

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