

# PRODUCT / PROCESS CHANGE NOTIFICATION

## 1. PCN basic data

1.1 Company	 STMicroelectronics International N.V
1.2 PCN No.	POWER AND DISCRETE PRODUCTS/24/14720
1.3 Title of PCN	StripFet OFT60 (OD6A, OD64): Activation of HHGrace Fab3 (Industrial Segment)
1.4 Product Category	see list
1.5 Issue date	2024-05-20

## 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	Rosario RUGGERI
2.1.2 Marketing Manager	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 (SOP 2617)	Subcon HHGrace - China

## 4. Description of change

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

## 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	Dedicated Finished Good Codes
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## 7. Timing / schedule

7.1 Date of qualification results	2024-04-17
7.2 Intended start of delivery	2024-07-31
7.3 Qualification sample available?	Upon Request

## 8. Qualification / Validation

8.1 Description	14720 Validation.zip		
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2024-05-20

## 9. Attachments (additional documentations)

14720 Public product.pdf  
14720 Details.pdf  
14720 Validation.zip

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
	STB100N6F7	
	STF100N6F7	
	STL36DN6F7	
	STL7N6F7	
	STL8N6F7	
	STP100N6F7	

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# **OFT60 Technology (Industrial segment) Activation of Fab3 in HHG for OD6A01 & OD6401**

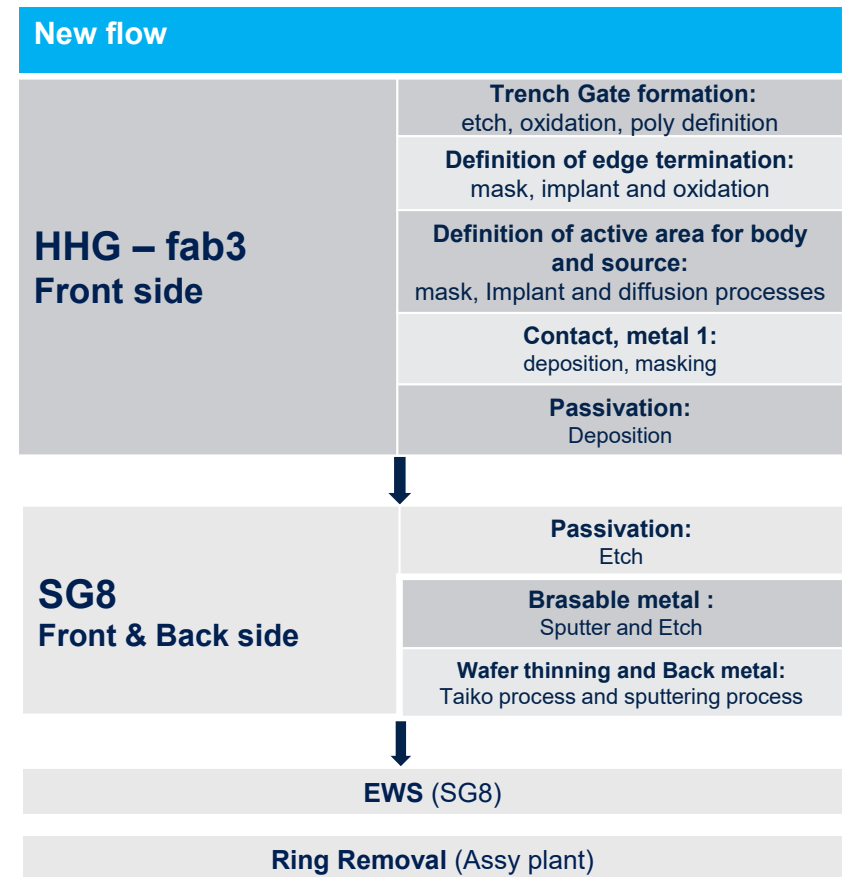
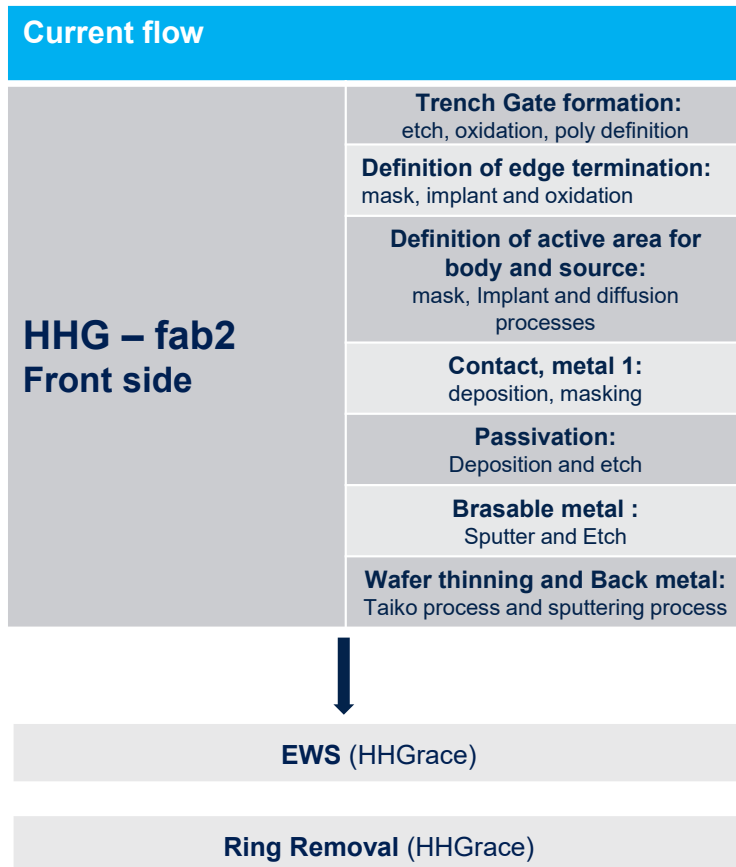
# Agenda

- 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
OD6A01	Die Sell	STS	ST7N6F7D7	NA	
	Power Flat 5x6	STS	STL36DN6F7	OD6801	RRLGS210032
	Power Flat 2x2	TFME	STL7N6F7	OD6A01	RERLVIP22013
	Power Flat 3x3	TFME	STL8N6F7	OD6C01	RERLVIP22013
OD6401	TO220 D2PAK	STS	STB100N6F7	OD6D01	RERLGS22005
	TO220 FULL PACK	STS	STF100N6F7	OD6E01	STS RERLGS22005
		TFME			TFME RERLVIP23039
	TO220	STS	STP100N6	OD6801	RERLGS22005
	TO220	STS	STP100N6F7	OD6801	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 :** StripFet OFT60 (OD6A, OD64): Activation of HHGrace Fab3 (Industrial Segment)

**PCN Reference :** POWER AND DISCRETE PRODUCTS/24/14720

**Subject :** Public Products List

Dear Customer,

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

STP100N6F7	STF100N6F7	STL7N6F7
STL36DN6F7	STB100N6F7	STL8N6F7

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