

PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCN No.	ADG/18/10768	
1.3 Title of PCN	STD30NF06T4 Capacity extension in ST's AMK Wafer Fab	
1.4 Product Category	Power MOSFET	
1.5 Issue date	2018-04-06	

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	Riccardo NICOLOSO
2.1.2 Marketing Manager	Antonino PELLEGRINO
2.1.3 Quality Manager	Vincenzo MILITANO

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	AMK (Singapore)

4. Description of change

	Old	New
4.1 Description	STD30NF06T4 produced in ST's Catania FAB	STD30NF06T4 produced in ST's Catania and AMK (Singapore) FAB
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	No Impact in terms of electrical, physical and functional aspects	

5. Reason / motivation for change

5.1 Motivation	Capacity Extension and improvement in Flexibility to better manage the customer orders
5.2 Customer Benefit	CAPACITY INCREASE

6. Marking of parts / traceability of change

6.1 Description	by Q.A. number
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7. Timing / schedule

7.1 Date of qualification results	2018-03-06
7.2 Intended start of delivery	2018-08-20
7.3 Qualification sample available?	Upon Request

8. Qualification / Validation

8.1 Description			
8.2 Qualification report and qualification results	In progress	Issue Date	

9. Attachments (additional documentations)

10768 Public product.pdf
10768 PCN - Capacity Extension for STD30NF06T4 in AMK.doc

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
STD30NF06T4	STD30NF06T4	

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Automotive Discrete Group (ADG)
Power Transistor Division

Process Change Information

STD30NF06T4 Capacity extension in ST's AMK Wafer Fab

Dear Customer,

Following the continuous improvement of our service and in order to increase productivity, we are pleased to announce that the product STD30NF06T4, currently manufactured in Catania will be also produced in ST's AMK (Singapore) Wafer Fab.

The wafers, and the final assembled products, guarantee the same quality and electrical characteristics as per current production.

In the next pages, we are reporting the qualification plan to reach full maturity.

The change has been classified as **Class 1** according to the ZVEI and ST internal rules.

ID	Type of change	Remaining risks on Supply Chain?	
		No	Yes
SEM-PW-13	Move of all or part of wafer fab to a different location/site/subcontractor	P	P

The qualification of the change has been completed

Sincerely Yours!

STD30NF06T4 Capacity extension in ST's AMK Wafer Fab

ST Part number:	ST PN: STD30NF06T4 Package: DPAK												
Reason and background of the change	To increase flexibility by improving capacity avoiding the risk for the customer to line down due to lack of silicon at FE level.												
Detailed description of change(s), including affected type of changes	The Diffusion Process and Wafer Testing for STD30NF06T4 will be performed also in ST's AMK (Singapore) Wafer Fab.												
Impact on form, fit, function, or reliability.	No Impact												
Datasheet	No Impact												
Benefit of the change	Capacity and flexibility increase.												
Planned Implementation date for change	<p>The qualification has been completed according to the following plan:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #212121; color: white;"> <th style="text-align: left;">Test Vehicles</th> <th style="text-align: center;">N. of Lots</th> <th style="text-align: left;">Type of verification</th> <th style="text-align: left;">Forecast</th> </tr> </thead> <tbody> <tr> <td>STD22NF06AG</td> <td style="text-align: center;">1</td> <td rowspan="3" style="vertical-align: middle;">According AEC Q101 Rev C.</td> <td rowspan="3" style="vertical-align: middle;">Completed</td> </tr> <tr> <td>STB45NF06T4</td> <td style="text-align: center;">1</td> </tr> <tr> <td>STB76NF75</td> <td style="text-align: center;">1</td> </tr> </tbody> </table>	Test Vehicles	N. of Lots	Type of verification	Forecast	STD22NF06AG	1	According AEC Q101 Rev C.	Completed	STB45NF06T4	1	STB76NF75	1
Test Vehicles	N. of Lots	Type of verification	Forecast										
STD22NF06AG	1	According AEC Q101 Rev C.	Completed										
STB45NF06T4	1												
STB76NF75	1												
PPAP Update	After official customer acceptance												



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 : STD30NF06T4 Capacity extension in ST's AMK Wafer Fab

PCN Reference : ADG/18/10768

Subject : Public Products List

Dear Customer,

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

STD30NF06T4		
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