


**PRODUCT / PROCESS CHANGE NOTIFICATION**

**1. PCN basic data**

|                             |   |                                      |
|-----------------------------|---|--------------------------------------|
| <b>1.1 Company</b>          |              | STMicroelectronics International N.V |
| <b>1.2 PCN No.</b>          | ADG/21/13047  |                                      |
| <b>1.3 Title of PCN</b>     | Wafer Manufacturing & EWS capacity extension in ST Singapore for Automotive SiC 650V products |                                      |
| <b>1.4 Product Category</b> | Automotive SiC 650V products  |                                      |
| <b>1.5 Issue date</b>       | 2021-10-11  |                                      |

**2. PCN Team**

|                                  |                         |
|----------------------------------|-------------------------|
| <b>2.1 Contact supplier</b>      |                         |
| <b>2.1.1 Name</b>                | SAWTELLE KRISTIN        |
| <b>2.1.2 Phone</b>               |                         |
| <b>2.1.3 Email</b>               | kristin.sawtelle@st.com |
| <b>2.2 Change responsibility</b> |                         |
| <b>2.2.1 Product Manager</b>     | Stephane CHAMARD        |
| <b>2.1.2 Marketing Manager</b>   | Philippe LEGER          |
| <b>2.1.3 Quality Manager</b>     | Jean-Paul REBRASSE      |

**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 | ST Catania - Italy<br>ST Singapore |

**4. Description of change**

|   |                    |  |
|---|--------------------|--|
|   | <b>Old</b>         | <b>New</b>   |
| <b>4.1 Description</b>  | ST Catania - Italy | ST Catania - Italy<br>ST Singapore<br>with Process rationalization for both plants |
| <b>4.2 Anticipated Impact on form, fit, function, quality, reliability or processability?</b> | No                 |  |

**5. Reason / motivation for change**

|                             |   |
|-----------------------------|---|
| <b>5.1 Motivation</b>       | In line with the commitment of ST Company to reinforce its leading position in the SiC Power Rectifiers market and to support strong SiC business increase, STMicroelectronics has decided to expand the manufacturing & EWS capacity of SiC 650V diodes.<br>This additional wafer fab & EWS capacity will be done through production line located in the Singapore existing plant.<br><br>ST is taking the opportunity to enhance and to standardize production flows using the same metallization and thicknesses for all SiC products. |
| <b>5.2 Customer Benefit</b> | CAPACITY INCREASE   |

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

|                        |                              |
|------------------------|------------------------------|
| <b>6.1 Description</b> | Finished Good and plant code |
|------------------------|------------------------------|

**7. Timing / schedule**

|  |              |
|--|--------------|
| <b>7.1 Date of qualification results</b>   | 2021-10-04   |
| <b>7.2 Intended start of delivery</b>      | 2022-04-08   |
| <b>7.3 Qualification sample available?</b> | Upon Request |

**8. Qualification / Validation**

|                        |                    |
|------------------------|--------------------|
| <b>8.1 Description</b> | 13047 21072QRP.pdf |
|------------------------|--------------------|

|  |                            |            |            |
|--|----------------------------|------------|------------|
| 8.2 Qualification report and qualification results | Available (see attachment) | Issue Date | 2021-10-11 |
|--|----------------------------|------------|------------|

| 9. Attachments (additional documentations)   |
|--|
| 13047 Public product.pdf<br>13047 Automotive SiC650V in ST Singapore.pdf<br>13047 21072QRP.pdf<br>13047 21074QRP.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  |
|                         | STPSC40065CWY           |                          |

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