


Standardized Information for Process/Product Change Notification (PCN)

Form based on ZVEI - Revision 4.0.1

1. Product Change Notification [PCN] basic data						
Customer		Name Customer:				
		Contact Email address:				
1.1 Company		Site submitting the change		Melexis Sofia		
		Affected site(s):	Melexis Supplier			
1.2 PCN No.		MCM-13013				
1.3 Title of PCN		Active Second Source Wafer Fab Foundry X-FAB Erfurt [MLX90216]				
1.4 Product Category		Active Components - Integrated Circuits				
1.5 Issue date		2022-01-12				
1.6 PCN revision history (optional)		1.7 Issue date of previous revision		1.8 Delta to previous revision (optional)		

2. PCN Team	
2.1 Contact supplier	
2.1.1 Name	Lisa Vanheerswyngiels

2.1.2 Phone	+32 57 22 62 07	
2.1.3 Email	pcn_mlx@melexis.com	
2.2 Team supplier (optional)		
2.2.1 Name (optional)	2.2.2 Phone (optional)	2.2.3 Email (optional)

3. Changes			
No.	3.0 Ident	3.1 Category	3.2 Type of change
#1	SEM-PW-13	PROCESS - WAFER PRODUCTION	Move all or parts of production to a different wafer fab site.
#2			
#3			
#4			
#5			

4. Description of change		
	Old	New
Change #1	Wafer Fab Location: Current released Wafer Fab Location: <b>X-FAB Lubbock [USA]</b>	Wafer Fab Location: Current released Wafer Fab Location: <b>X-FAB Lubbock [USA] + X-FAB Erfurt [Germany]</b>

Change #2		
Change #3		
Change #4		
Change #5		
4.1 Anticipated impact on form, fit, function, reliability or processability?	Based on Risk Assessment including AEC-Q100 and ZVEI guidelines	
4.2 Anticipated impact on order code	No impact, current order codes remain valid	

5. Reason / motivation for change	
5.1 Motivation	<p>As a responsible and future oriented player, Melexis is protecting it`s customers. This includes to secure the supply chain against environmental and/or material based events (contingency plan). The increase in business leads to wafer demand beyond X-FAB Lubbock [USA] capability.</p> <p>For this reasons Melexis initiate an extension of location from X-FAB Lubbock [USA] to Second Source location X-FAB Erfurt [Germany].</p>
5.2 Additional explanation (optional)	

6. Marking of parts / traceability of change	
6.1 Description	<p>Lots produced at <b>X-FAB ERFURT</b> will have a different lot ID-number. The first letter of the lot ID will start with "E".</p> <p>Traceability ensured by lot number and datecode through the Melexis ERP system.</p>

### 7. Timing / schedule

7.1 Date of qualification results	15/05/2022	
7.2 Last order date (optional)		
7.3 Last delivery date (optional)		
7.4 Intended start of delivery	30/07/2022	Please contact your Customer Relations responsible for detailed information. Note that the start of delivery can shift depending on the moment Melexis receives the customer approval.
7.5 Qualification samples available?	30/03/2022 Samples can be requested through pcn_mlx@melexis.com	
7.6 Customer feedback required until	26-Jan-22	Please provide your initial feedback through the 'Customer Feedback' sheet as acknowledgement

### 8. Qualification / validation

8.1 Description (e.g. qualification or validation plan/report ...)	According to Delta Qualification Matrix. ESD HBM, ESD CDM, LU and HTOL 1 lot qualification		
8.2 Qualification report and qualification results	Will be available at date:	issue date	15-May-2022 (expected)

### 9. Input to customer for risk assessment process

Second source is needed to avoid capacity constraints regarding wafer material supply.













