ACPS-TMP-S-023 Index: 35 Dated 2024-05-22

ACPS Automotive PPAP Requirements

## **ACPS** AUTOMOTIVE

	Dated 2024-05-22	AcioAut		•	ACTOMOTIVE
		Commodity number	All	404	V = Documets which must be submitted for PPAP approval NDT = Non destructive test - N/A = Not applicable
VDA numbers	Requirements	Prototypes, FOTP, Sample parts	Requalification	Textiles and nets	Remarks / Agreements ACPS / Supplier
0.1	Cover Sheet (Evaluation)		V	V	
0.2	Self-assessment for product, process, SW (if appl.)		N/A	v	
1.	Deliverables of product development				
1.1	Technical specifications (ACPS Automotive Drawing)		v	v	
1.2 / 1.3	Design release		N/A	N/A	
1.4	Material data sheet / IMDS for all materials (packaging/wrapper & printed materials) which stay in the car Product FMEA		V IMDS IDs: HUK = 80908 DEI / DES = 237 MXQ = 185340 N/A	V IMDS IDs: HUK = 80908 DEI / DES = 237 MXQ = 185340 N/A	
1.5			N/A	N/A	
2.1	Deliverables of production process development Process flow chart			v	
			V	V	
2.2	Process FMEA		N/A	minimum required is the Cover Sheet	
2.3	Control plan		V	V	
з.	Deliverables of the validation of the product				
3.1	Geometry, dimension check	v	V	V	
3.2	Material check	Material Certificate (3.1)	Material Certificate (3.1) according to DIN ISO 10204 see drawing requirements	Material Certificate (3.1) - additional requirements see in drawing	
3.3	Function check		V If requested by ACPS	V If requested by ACPS	
3.4	Haptic check		N/A	N/A	
3.5 3.6	Acoustics check Odour check		N/A N/A	N/A see point 1.3	
3.7	Appearance check		N/A	V V	
3.8	Surface check		N/A N/A	(see drawing requirements) (NDT Results)*	
3.8.1	Approval of coating		N/A	V	
3.8.2	Technical cleanliness		1075	- Approved ISIR	
3.10	Reliability tests		V As defined on drawing or specification	V As defined on drawing or specification	
3.11 3.12	Resistance to electrostatic discharge (ESD) Electrical safety / high-voltage safety				
3.13	Electromagnetic compatibility (EMC)				
	APQP Tracking Sheet completed for RC1 and RC2 parts		N/A	If APQP was requested V	
4.	Deliverables of the validation of the production process				
4.1	Achievement of special characteristics (Quantity of measured parts CmK 50 and CpK 125) SC-S $\rightarrow$ CmK >= 2,0 / CpK >= 1,67 SC-FF $\rightarrow$ CmK >= 1,67 / CpK >= 1.33 If there are no SC on the drawing, confirmation of		v	v	
4.1.1	process capability of three dimensions defined by supplier CmK >= 1,33 / CpK >= 1,0		If there was a dimensional complaint last year	v	
4.2	Laboratory qualification (ISO/IEC 17025 or national equivalent) accredited by an body of ILAC MRA		v	v	
4.3	Measured Samples (marked/ numbered and packed in separated boxes)	due to PO	N/A	V (5 pcs each cavities) If requested by ACPS	
4.4	Master sample			1 sample	
4.5 4.5.1	Confirmation of agreed capacity (SLA) Capacity evaluation R@R			V V	
4.6	Tooling list and Inventory Protokol if tool is owned by ACPS or QEM acc. ACPS-TMP-S-016		N/A	v	
4.7	Annual quality self audit D351144		V		
5.	General deliverables				
5.1	Compliance with legal requirements		N/A	N/A	
5.2	PPA status of the supply chain		List of parts used and approval status	List of parts used and approval status	
5.3	Test/inspection equipment list		V	V	
5.4	Measuring system analysis for used production and lab equipment (MSA)		v	v	
5.5	Part history (for electronics also for SW) Evidence of suitability of the employed load carriers		V	V	
5.6	including storage - SLA		N/A	v	
5.8 6.	Documentation of the requalification agreement Deliverables for software		N/A	v	
6.1	Software release		N/A	N/A	
7.	Customer spezific requirements				
7.1	WEB 2020 Initial Material Sampling_Mercedes-Benz Cars		V only for Mercedes-Benz ACPS products V	V only for Mercedes-Benz ACPS products V	
7.2	TESLA IMDS requirements PLM D263835 CAMDS requirements		only for TESLA ACPS products	only for TESLA ACPS products	
7.3	(For asian customers)		V	V	

PPAP Kick off date	
ACPS-SQ representative Name and Signature	Supplier representative Name and Signature

Part number / Drawing index / Part index Part Name