

ACPS Automotive PPAP Requirements

VDA numbers	Requirements	Commodity number	All	110	Directed buy Parts (with customer approval)	Directed buy Parts (for ACPS Automotive approval) choose ACPS category PPAP requirements
0.1	Cover Sheet (Evaluation)		V	V	V	
0.2	Self-assessment for product, process, SW (if appl.)		N/A	V	N/A	
1.	Deliverables of product development					
1.1	Technical specifications (ACPS Automotive Drawing)		V	V	V	
1.2 / 1.3	Design release		N/A	N/A	N/A	
1.4	Material data sheet / IMDS for all materials (packaging/wrapper & printed materials) which stay in the car		V IMDS IDs: HUK = 80908 DEI / DES = 237 MXQ = 185340	V IMDS IDs: HUK = 80908 DEI / DES = 237 MXQ = 185340	V IMDS IDs: HUK = 80908 DEI / DES = 237 MXQ = 185340	
1.5	Product FMEA		N/A	N/A	N/A	
2.	Deliverables of production process development					
2.1	Process flow chart		V	V	N/A	
2.2	Process FMEA		N/A	minimum required is the Cover Sheet	N/A	
2.3	Control plan		V	V	N/A	
3.	Deliverables of the validation of the product					
3.1	Geometry, dimension check	V	V	V	N/A	
3.2	Material check	Material Certificate (3.1)	Material Certificate (3.1) according to DIN ISO 10204 see drawing requirements	Material Certificate (3.1) according to DIN ISO 10204 see drawing requirements	N/A	
3.3	Function check		V If requested by ACPS	V If requested by ACPS	N/A	
3.4	Haptic check		N/A	N/A	N/A	
3.5	Acoustics check		N/A	N/A	N/A	
3.6	Odour check		N/A	N/A	N/A	
3.7	Appearance check		N/A	N/A	N/A	
3.8	Surface check		N/A	N/A	N/A	
01.03.198	Approval of coating		N/A	N/A	N/A	
3.8.1	Technical cleanliness					
3.10	Reliability tests		V As defined on drawing or specification	V As defined on drawing or specification	N/A	
3.11	Resistance to electrostatic discharge (ESD)					
3.12	Electrical safety / high-voltage safety					
3.13	Electromagnetic compatibility (EMC)					
	APOP Tracking Sheet completed for RC1 and RC2 parts		N/A	If APOP was requested V	RASIC Chart	
4.	Deliverables of the validation of the production process					
	Confirmation of process capability of three dimensions defined by supplier CmK >= 1,33 / CpK >= 1,0 <--		V if there was a dimensional complaint last year	V	N/A	
4.1	Achievement of special characteristics (Quantity of measured parts n=125) SC-S -> CmK >= 2,0 / CpK >= 1,67 SC-FF -> CmK >= 1,67 / CpK >= 1,33		V	V	N/A	
4.2	Laboratory qualification (ISO/IEC 17025 or national equivalent) accredited by an body of ILAC MRA		V	V	N/A	
4.3	Measured Samples (marked/ numbered and packed in separated boxes)	due to PO	N/A	V (at least 5 pcs)	V (at least 3 pcs)	
4.4	Master sample			If requested by ACPS 1 sample		
4.5	Confirmation of agreed capacity (SLA)			V	V	
4.5.1	Capacity evaluation R@R			V	V	
4.6	Tooling list and Inventory Protocol if tool is owned by ACPS or OEM acc. ACPS-TMP-S-016		N/A	V	N/A	
5.	General deliverables					
5.1	Compliance with legal requirements		N/A	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	N/A	
5.3	Test/inspection equipment list		V	V	N/A	
5.4	Measuring system analysis for used production and lab equipment (MSA)		V	V	N/A	
5.5	Part history (for electronics also for SW)		V	V	V	
5.6	Evidence of suitability of the employed load carriers including storage - SLA		N/A	V	V	
5.8	Documentation of the requalification agreement		N/A	V	N/A	
6.	Deliverables for software					
	Software release		N/A	N/A	N/A	
7.	Customer specific requirements					
7.1	WEB 2020 Initial Material Sampling Mercedes-Benz Cars		V only for Mercedes-Benz ACPS products	V only for Mercedes-Benz ACPS products	N/A	
7.2	TESLA IMDS requirements PLM D263835		V only for TESLA ACPS products	V only for TESLA ACPS products	N/A	
7.3	Geely CAMDS requirements (Also valid for Lotus)		V only for Geely ACPS products	V only for Geely ACPS products	N/A	

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

