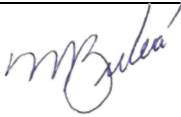


AK WORK INSTRUCTION	Identification No.	Page	Revisión
	AA02-P07-QSMX	1 de 15	17
Supplier PPAP / PPA			

Effective Date:	Performed By:	Approved by:
10-Nov-2023	<i>valeria adame</i>	
	Valeria Adame	Rosario Zubia

1.0 PURPOSE

To define and establish a procedure for management of suppliers PPAP/PPA information and the minimum requirements to meet.

2.0 SCOPE

AKMX and All AKMX's Suppliers of raw material, components and sub-assemblies.

3.0 DEFINITIONS

- PPAP:** Production Part Approval Process. (AIAG).
- PPA:** Production Process and Product Approval (VDA)
- SUPPLIER:** External and internal company that supply raw material to AKMX.
- CSR:** Customer Specific Requirements.
- AKMX:** Auto-Kabel of México.
- QSMX:** Quality Department of Auto-Kabel of Mexico.
- EKMX:** Purchasing Department of Auto-Kabel of Mexico.

4.1 RESPONSABILITIES

4.2 Purchasing

Buyers are responsible to generate the blanket order for the supplier and request for PPAP L3 /PPA L2 and representative samples (see 5.1). Once they got PPAP/PPA, they will distribute the documents and PPAP/PPA samples to quality department QSMX. They are responsible to inform component application (project and OEM) to the supplier and the following of the packaging form and R@R approval.

4.1.1 PPAP Payment (if apply)

The cost from suppliers that require a payment in order to provide PPAP/PPA and samples, shall be made/paid by the Purchasing department (EKMX) according to procedure P01-EKMX.

4.3 Suppliers

Suppliers are responsible of complete, review and send all PPAP/PPA requirements to Auto-Kabel in order to get the approval.

Notify of any product, material or process changes and re-submit PPAP when apply.

This notification must be sent to ecn.mexico@autokabel.com

Provide annual re-validation of PPAP/PPA

Send PPAP to the email ppap.mexico@autokabel.com

4.4 PPAP Engineer (QSMX)

PPAP engineer is responsible of review supplier's PPAP/PPA and approve them, send approval to the supplier and update PPAPs database, all once the supplier has accomplished the requirement satisfactorily.

When required, request, review and approve the annual re-validation of PPAP/PPA.

AK WORK INSTRUCTION	Identification No.	Page	Revisión
	AA02-P07-QSMX	2 de 15	17
Supplier PPAP / PPA			

5.1 PROCESS

The process begins when introduction / assignation of new part or product to supplier has been performed and finished when the supplier receives the full approval from QSMX.

5.2 Initial Submission

Supplier MUST to submit PPAP L3/PPA L2 documentation and samples to AKMX (previously requested by the components buyer). Information must be sent by email to the PPAP team (ppap.mexico@autokabel.com) and the buyer in charge of the commodity.

For further information about elements to meet for PPAP/PPA see AIAG/VDA manuals.

The minimum PPAP requirements are listed below, but not limited to additional documents required by AK or OEM Customer Specific Requirements:

1. Design Record (Drawing, Datasheet, Product Specification).

It should be on the latest revision.

2. Authorized Engineering Change documents.

Approval for changes that have not been included in the design but is incorporated on the product/tool. (When apply)

3. Customer Engineering Approval.

Evidence of engineering approval from AKMX. (When apply)

4. Design FMEA.

Use *Potential Failure Mode and Effects Analysis* manual as reference, if DFMEA is declared as confidential, a one blank page need to be added with the note.

5. Process Flow Diagram.

The production process steps and sequence should be described clearly.

6. Process FMEA.

Use *Potential Failure Mode and Effects Analysis* manual as reference.

The supplier shall use RPL instead RPN

7. Control Plan.

Use *Advanced Product Quality Planning and Control Plan* manual as reference.

This document will be verified according to the Control Plan Audit F3-AA02-P07-QSMX. Per Requirement from OEM

8. Measurement System Analysis.

For all new or modified gages, measurement, and test equipment, the applicable MSA studies have to be performed. Only the studies of the equipment use for key characteristic control should be submitted. Use *Measurement System Analysis* manual as reference.

9. Dimensional Results.

The report have to contain all dimension, characteristics and specification as noted on the design record.

- a) Drawing ballooned need to be added as reference to link results on the report
- b) Results shall compliance with specified requirement (keeping into tolerances). If anything does not have under specification you must notify AKMX (Purchasing and engineering team) before PPAP/PPA submission.
- c) The report should not be older than 6 months.
- d) The report must to include the result of 5 parts as minimum for each unique manufacturing process (e.g. production lines, cavities, molds, etc.).
Results with only 1 part per each one can be accepted only for parts of catalog with more than 10 cavities, molds, etc.

AK WORK INSTRUCTION	Identification No.	Page	Revisión
	AA02-P07-QSMX	3 de 15	17
Supplier PPAP / PPA			

10. Material/Performance Test Results.

Supplier must have a current record of **material** (chemical, physical or metallurgical) and/or **performance** test result for test specified on the design record or control plan, see annex 6.3. The report must have the date in which the testing took place.

The Report should not be older than 6 months.

a) Supplier must submit their part to the IMDS System under AK’s part number to the company AK ID org: **[645]**.

MDS ID Number must be accepted by AK

Official IMDS webpage is <http://www.mdsystem.com/>

b) APQP will keep track of each customer to have a better control of the IMDS to avoid expiration, in order to inform purchasing for immediate request before the expiration date.

c) This tracker will be shown in CFT meetings so that the team can keep track of the dates and have a good follow-up.

11. Initial Process Studies.

The Level Cpk or Ppk shall be determined to be acceptable prior to submission.

Key features or process critical characteristics must be Cpk & Ppk >1.67. If not special characteristics are identified, supplier need to ask AK if the study is required for any other characteristic.

12. Qualified Laboratory Certification.

Accredited Lab, the qualified laboratory (internal or external to the organization) shall have a laboratory scope and documentation showing that the laboratory is qualified for the type of measurements or tests conducted.

13. Appearance Approval Report (AAR).

Not Apply at least that it be marked in drawing.

14. Sample Product.

Supplier must provide at least 5 PPAP samples for each unique manufacturing process (e.g. production lines, cavities, molds, etc.).

For catalog parts 5 to 10 PPAP samples representative of all different variation of the process are acceptable.

a) Address to send PPAP Samples:

Auto-kabel of North America
1320 Henry Brennan Ave. Suite H
El Paso, TX 79936
Phone: (915) 858 38 00

Attn: [Buyer's name in charge](#)

b) Samples need to have an external identification (labeled) as:

PPAP SAMPLES
AKMX Part Number:
Supplier PN:
Supplier Name:
ATTN: Buyer's name in charge .

c) Samples are mandatory to review PPAP documentation and get approval.

d) Sample cost and sample sending are paid by supplier.

All Sub-suppliers must use comparable systems analog



AK WORK INSTRUCTION	Identification No.	Page	Revisión
	AA02-P07-QSMX	4 de 15	17
Supplier PPAP / PPA			

15. Master Sample.

Supplier shall retain it in their location. Don't send it to AKMX.

16. Checking Aids.

If required, Supplier shall submit with the PPAP submission any part or component checking Aid.

a) Checking aids can include fixtures, variable and attribute gages, models, templates, mylars specific to the product being submitted

17. Customer specific requirements.

Suppliers shall have records of compliance to all applicable customer specific requirements.

17.1 AK Requirements

a) Packaging Specification.

Supplier must submit the Packaging specification format approved by EKMx (purchasing).

b) RUN @ RATE.

Supplier shall submit the R@R results in the format provided by EKMx (Purchasing).

17.2 OEM Customer Specific Requirements.

Supplier must be submit evidence of ISO/IATF 16949:2016 Certification, Other evidence of compliance of CSR have to be available for submit when required.

Official Customer specific requirements webpage is:

<https://www.iatfglobaloversight.org/oem-requirements/customer-specific-requirements/>

a) Ford Motor Company.

Supplier shall audit specific manufacturing processes utilizing the applicable CQI standard (AIAG).

Use as reference, *Minimum Automotive Quality Management System for sub-tier Suppliers for IATF 16949.*

Use as reference Ford's Global Phased PPAP

b) General Motors.

Supplier shall audit specific manufacturing processes utilizing the applicable CQI standard (9-11-12-15-17-23-27) (AIAG).

Use as reference, *Minimum Automotive Quality Management System for sub-tier Suppliers for IATF 16949.*

All suppliers shall comply with requirement CG4355

c) FCA US LLC.

Supplier shall audit specific manufacturing processes utilizing the applicable CQI standard (8-9-11-12-14-15-17-19-23-27) (AIAG).

Use as reference, *Minimum Automotive Quality Management System for sub-tier Suppliers for IATF 16949.*

d) Honda.

Supplier must assure the Minimum Process Requirement (MPR) are built into the applicable Process.

Ask EKMx (Purchasing) for applicable MPR Check list (Casting, Error Proofing, Fluid Fill, Heat Treatment, Hot plate Welding, Molding, Label, Machining, Painting, Part Marking, PCB, Sonic-Vibration-Friction Welding, Stamping, Torque, Weld, Wire Harness and electrical connectors, leak Test, traceability).

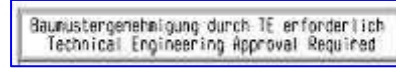
All Sub-suppliers must use comparable systems analog



AK WORK INSTRUCTION	Identification No.	Page	Revisión
	AA02-P07-QSMX	5 de 15	17
Supplier PPAP / PPA			

e) **VW/AUDI.**

Supplier need to add an extra requirement to the Initial submission. BMG Approval must be added if requirement is indicated in the drawing “Baumuster Genehmigung durch TE erforderlich (Technical Engineering Approval Required)” see image.



Use as reference, *Formel Q-Konkret* Manual.

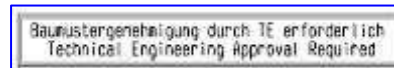
f) **Daimler.**

Suppliers are required to comply with the requirements of the MBST.

Use as reference, *MBST (Mercedes-Benz Special Terms)* Manual.

g) **BMW.**

Supplier need to add an extra requirement to the Initial submission. BMG Approval must be added if requirement is indicated in the drawing “Baumuster Genehmigung durch TE erforderlich (Technical Engineering Approval Required)” see image.



h) **Tesla.**

Supplier shall audit specific manufacturing processes utilizing the applicable CQI standard (9-11-12-15-17-23) (AIAG).

Suppliers of a component for a Tesla product shall meet all requirements listed in this SMR document during the whole project lifetime.

Use as reference, *SMR (Tesla Customer Specific Requirements for Suppliers)*

i) **VinFast.**

Supplier shall audit specific manufacturing processes utilizing the applicable CQI standard (9-11-12-15-17-23-27) (AIAG).

Not additional specific requirements.

18. Part Submission Warrant (PSW).

Upon Completion of all PPAP requirements, the supplier shall complete the Part Submission Warrant.

Use PSW AIAG Format or Cover sheet VDA format when apply.

PPAP requirements are based on AIAG 4th edition PPAP manual and IATF-16949. Any doubt related to PPAP or PPA documentation, supplier can contact AKMX (PPAP Engineer and Initial Buyer).

For European suppliers only certified in VDA, submit PPA level 2, Use the respective VDA formats, see 5.1.1 for requirements for PPA.

Components used in more than 2 applications must submit documentation mentioned in this instruction to meet the needs of both OEM’s.

All Sub-suppliers must use comparable systems analog



AK WORK INSTRUCTION	Identification No.	Page	Revisión
	AA02-P07-QSMX	6 de 15	17
Supplier PPAP / PPA			

5.1.1 Comparison between PPA (VDA) and PPAP (AIAG)

VDA No.	Deliverables insofar as it is applicable to the product	AIAG No.
0.1	Cover sheet for PPA report and PPA evaluation	18
0.2	Self-assessment for product, production process, and if appl. software	-
1. Deliverables of the product development		
1.1	Technical Specifications	1
1.2	Approved Design Changes	2
1.3	Design, development approvals	3
1.4	Material data via IMDS	1.1
1.5	Design FMEA	4
2. Deliverables of the production process development		
2.1	Process Flow Chart	5
2.2	Process FMEA	6
2.3	Control Plan	7
3. Deliverables of the product verification		
3.1	Geometry, measurements	9
3.2	Material (strength, physical properties, etc.)	10
3.3	Function	10
3.4	Haptics	-
3.5	Acoustics	-
3.6	Odor	-
3.7	Appearance	13
3.8	Surface requirement	-
3.9	Technical cleanliness	-
3.10	Reliability	-
3.11	Resistance to electrostatic discharge (ESD)	-
3.12	Electrical safety / high-voltage safety	-
3.13	Electromagnetic combability (EMC)	-
4. Deliverables of the production process validation		
4.1	Assurance of Special Characteristics according to technical specifications and agreed characteristics (e.g. poka-yoke, 100% inspection, process capabilities, etc.)	11
4.2	Laboratory qualification	12
4.3	Samples incl. labeling (e.g. identification of series, production lot etc. that allow conclusions to be made about the documentation accompanying production)	14
4.4	Master sample	15

All Sub-suppliers must use comparable systems analog



AK WORK INSTRUCTION	Identification No.	Page	Revisión
	AA02-P07-QSMX	7 de 15	17

Supplier PPAP / PPA

VDA No.	Deliverables insofar as it is applicable to the product	AIAG No.
4.5	Production capacity	-
4.6	Tools	-
5. General deliverables		
5.1	Evidence of compliance with legal requirements	-
5.2	PPA status of supply chain	-
5.3	Test equipment list for product and production process	16
5.4	Measurement equipment analysis studies for product and production process	8
5.5	Part history	-
5.6	Evidence of suitability of the employed load carriers including storage	-
5.7	Documentation of the agreements regarding the diagnosis and analysis process	-
5.8	Documentation of the agreements regarding Layout inspection and functional testing	-
5.9	Other	17
6. Deliverables for software		
6.1	SW release (e.g. Appendix 5 "Cover Sheet PPA software)	-
6.2	Definition of the scope of the SW product	-
6.3	Reference to contractually stipulated quality requirements	-
6.4	Documentation of technical SW specifications (functional and non-functional)	-
6.5	Implementation of the requirements from 6.3 and 6.4, especially the Special Characteristics	-
6.6	Documentation about FOSS (free and open-source software)	-
6.7	List of known errors	-
6.8	Documentation of development tools	-
6.9	Documentation of test tools	-
6.10	Documentation of version management	-
6.11	Documentation of a process evaluation (e.g. Automotive SPICE®)	-

All Sub-suppliers must use comparable systems analog



AK WORK INSTRUCTION	Identification No.	Page	Revisión
	AA02-P07-QSMX	8 de 15	17
Supplier PPAP / PPA			

5.2 Annual Revalidation.

AKMX request Annual Submission (Revalidation per year after the last PPAP approval) to all suppliers whose components are used in cable construction for AKMX.

5.2.1 Requirements for Annual Revalidation.

1. **Drawing ballooned.**
2. **Updated Dimensional Report.**
Supplier must submit current Dimensional. It is not acceptable submitting same dimensional report performed in the Initial submission.
3. **Measurement System Analysis.**
Supplier must submit current Report. It is not acceptable submitting same report performed in the Initial submission.
4. **Updated Material/performance test result.**
Supplier must submit current Report. It is not acceptable submitting same report performed in the Initial submission.
5. **Material Certificates.**
Supplier shall provide material test certificates with the most current date.
6. **ISO/IATF Certificates.**
7. **Updated PSW.**
Completely filled out, LEVEL 4. Also, IMDS and production rate must be included.

5.3 Change Notification and Submission Level Required:

The supplier must notify to AK any planned change to the design, process, or site. This must happen through email ecn.mexico@autokabel.com

Upon the change was notified and accepted by AK. PPAP submission is required. (See table I for submission level required).

5.4 PPAP/PPA Approval

Once all PPAP/PPA requirements have been met, the approval is sent to the supplier.

In case of sharing components with any other AK plant, if this plant has already given full approval; it can be accepted by AKMX as long as the last required engineering level and uploaded to TLL.

All Sub-suppliers must use comparable systems analog

AK Documento
Controlado

AK WORK INSTRUCTION	Identification No.	Page	Revisión
	AA02-P07-QSMX	9 de 15	17

Supplier PPAP / PPA

PPAP Submission level (1/3)			
No.	Item	Explanation/Examples	Submission Level
1	Initial Submission	Submission is required for a new product (initial release) or a previously approved product that has a new or revised product/part number assigned to it.	3
2	Design Change (New design, change affects the part)	The part drawing changes, altering the physical structure of the part. A design change is done when a new part drawing or an M/I is issued. <ul style="list-style-type: none"> • New part design • Design change that affects the part 	3
2.1	Design Change (Change does not affect the physical structure)	<ul style="list-style-type: none"> • Design change that does not affect the physical structure of the part, such as part name or part number 	4
3	New Supplier	A supplier or sub-supplier, who has never produced the part or component, begins manufacturing the part for AKMX. <ul style="list-style-type: none"> • Addition of a new supplier or sub-supplier • Changing the supplier or sub-supplier • New delivery location • Change from in-house production to outside supplier (or vice versa) • Change in factory location 	3
3.1	New Supplier	Change of corporate name, without change of location, provided that no more than one year has passed since the annual revalidation of PPAP.	1
3.2	New Distributor	Same manufacturer, different distributor	1
4	Material Change	The material(s) used to manufacture the part is changed. <ul style="list-style-type: none"> • Change of material supplier • Material supplier changed from outside to self-supplied (or vice versa) • Change in material composition (including anti-rust oil or lubrication oil) • Substances of Concern (SOC) as per the SOC Manual. • Weight change 	3

AK WORK INSTRUCTION	Identification No.	Page	Revisión
	AA02-P07-QSMX	10 de 15	17
Supplier PPAP / PPA			

PPAP Submission level (2/3)			
No.	Item	Explanation/Examples	Submission Level
5	Manufacturing Method Change	<p>A process method, setting or condition used in manufacturing the part is changed or modified. This includes any change that effects the way the parts are produced as reflected in the Control plan. This applies when the normal control range changes, not for routine adjustments.</p> <ul style="list-style-type: none"> • Casting or forging method change • Sintering condition change • Heat treatment condition change • Rubber or plastic molding condition change • Welding condition change • Plating or coating condition change • Machining or cutting condition change • Process standards or setting method change • Associate change on a critical process 	4
6	Process Order Change	<p>The manufacturing process order is changed or deviates from the control Plan.</p> <ul style="list-style-type: none"> • Change to the order of the process, or adding or deleting process steps • Change a temporary process to a permanent one (or vice versa) 	Notification and first batch identification
7	Machine Change	<p>When the machine initially used to produce the parts during the approval process has been changed or replaced by another machine. (Machine examples: stamping press, assembly line, injection or blow molding, forge press, etc.)</p> <ul style="list-style-type: none"> • Initial use of a new machine • Major modification or repair of a machine • Minor modification or repair of a machine • Equipment relocation within the same plant • Equipment relocation outside plant or building • Changes to machine control logic (e.g. software upgrade or replacement that affects machine function) 	3
8	Jig/Tool Change	<p>The primary or secondary tooling or jigs are changed, potentially affecting the quality, function, appearance, or reliability of the part. (Jig and tool examples: welding or assembly fixtures used in manufacturing process, cooling fixtures, sonic or heat welding, etc.)</p> <ul style="list-style-type: none"> • Change in machining master for camshaft or pistons • Change in machining master for other parts • New or modified jigs and tools 	Notification and first batch identification

AK WORK INSTRUCTION	Identification No.	Page	Revisión
	AA02-P07-QSMX	11 de 15	17
Supplier PPAP / PPA			

PPAP Submission level (3/3)			
No.	Item	Explanation/Examples	Submission Level
9	Die/Mold Change	A die or mold that is used in the manufacturing process is new or changed. <ul style="list-style-type: none"> • New or renewed die or mold • Revision or repair of the die or mold 	3
10	Inspection Method Change	The inspection methods of the part are changed, potentially resulting in either an improvement or changes in the part's quality performance. This may require a revision to the PQCT. <ul style="list-style-type: none"> • New or modified inspection equipment • Measuring method change or measuring instrument type change 	Notification and first batch identification
11	Transportation / Packaging Change	The method of transporting the part to Honda, or the packaging of the part deviates from the initially approved method. The change could adversely affect the quality of the part. <ul style="list-style-type: none"> • Change in delivery method, packaging materials or containers 	Notification and first batch identification
12	Recertification	Annual Submission (Revalidation per year after the last PPAP approval) to all suppliers whose components are used in cable construction for AKMX.	4

6.0 FORMATS REQUIRED

AK Packaging Sheet
AK Capacity Verification
Standard Formats AIAG
Standard Formats VDA
Standard Formats OEM's

Appendix A
Appendix B

AK WORK INSTRUCTION	Identification No.	Page	Revisión
	AA02-P07-QSMX	12 de 15	17
Supplier PPAP / PPA			

**APPENDIX A
PACKAGING SHEET**



PART NUMBER:		P/N AK:		SHIPPING UNIT PHOTO (or Sketch)					
PART NAME:				COMMENTS: ③					
DIMENSIONS PART (1 inch = 25.4 mm) L W H WEIGHT / PIECE (LB) mm gr inch lbs		SHIPPING UNIT DIMENSIONS:				GROSS WEIGHT/			
		L		W		H		CALCULATED	CHECK
		mm ⑤		inch		kg		⑥	
CONTAINER DESCRIPTION/NUMBER: ②		PCS / CNTR:		LAYER/PAL:		0			
CONTAINER DIMENSIONS (1 inch = 25.4 mm): L W H WEIGHT / CONT. (LB) mm ④ gr inch lbs		CONT/LAYER:		PCS / PALLET:		0			
		PALLET TYPE: <input type="checkbox"/> Returnable <input type="checkbox"/> Wood		WEIGHT		kg			
		LID TYPE <input type="checkbox"/> Returnable <input type="checkbox"/> N/A		PAL+LID		lbs 0.0 lbs			
		CONTAINER TYPE <input type="checkbox"/> Returnable Container		EXPENDABLE		Container			
		STANDARD PACK <input type="checkbox"/> CONTAINER		PALLETT		0 PCS			
		FOR SUPPLIER USE		FOR CUSTOMER USE					
		SIGNATURE OF REPRESENTATIVE:		SIGNATURE OF REPRESENTATIVE:					
		NAME OF SIGNATORY:		NAME OF SIGNATORY:					
		TITLE:		TITLE:					
		DATE:		DATE:					

APPENDIX B.

		CAPACITY VERIFICATION (Production Readiness Review / RUN@RATE)									
1 Part Number				4 Run@Rate Date							
2 Part Description				5 Supplier Name							
3 XXX Annual Capacity Planning Volume		pcs/year		6 Supplier Location							
7		Process Step		STEP 1		STEP 2					
8		Process Description									
		Units									
I - Supplier Working Standards	9 Working hours/shift	hours									
	10 Shifts/ day	shifts									
	11 Days/ week	days									
	12 Weeks/ year	weeks									
	13 Total hours/year (9*10*11*12)	hours									
II - Supplier Capacity Data	14 % of line for XXX parts (Allocation %)	%									
	15 Quoted Production Rate (part # item 1)	pcs/hour									
	16 Quoted % scrap	%									
	17 Quoted % line efficiency	%									
	18 Adjusted production rate (15*(1-16)*17)	pcs/hour									
	19 Available capacity (15*14*(1-16)*17)*13	pcs/year									
	20 Utilization % (3/19)	%									
21 Bottleneck operation	X										
III - RUN@RATE Results	22 Trial run duration	hour									
	23 Total parts produced	pcs									
	24 Number of bad parts	pcs									
	25 First time capability % ((23-24)/24)*100	%									
	26 Number of good parts (23-24)	pcs									
	27 Net output (26/22)	pcs/ hour									
	28 Takt Time Rate (Target) (3/13*14)	pcs/ hour									
	29 Downtime	hour									
	30 Reason	text									
	31 Run-Off utilization % (3/(27*13*14))	%									
32 Bottleneck operation	X										
SHADED CELLS ARE CALCULATED and protected				34 SUMMARY		35					
33		RUN@RATE results are acceptable and meet XXX capacity planning volume requirements:		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Overall Process Utilization %</td> <td style="text-align: center;">Status</td> </tr> <tr> <td style="text-align: center;">0.00%</td> <td style="text-align: center;">Acceptable</td> </tr> </table>		Overall Process Utilization %	Status	0.00%	Acceptable	Auditor Information	
Overall Process Utilization %	Status										
0.00%	Acceptable										
The attached capability study results meet XXX requirements:		Name:									
Corrective actions are required:		Company:									
New production readiness trial run is required:		Location:									
Date:											
Date:											
36 Supplier representative signature:				Auditor signature:							

AK WORK INSTRUCTION	Identification No.	Page	Revisión
	AA02-P07-QSMX	14 de 15	17
Supplier PPAP / PPA			

Change History

Revision	Effective Date	Change Description	Responsible
0	07/30/10	Liberación inicial	P. Rubio
1	11/10/10	Se agregó: -Definición de QSMX al punto 3.0. -Más información a la definición de PPAP en 3.0 - “Notificar a QSMX el lugar de manufactura del componente.” En el punto 4.1 -En el 5.1, viñeta 13 de Garantía de Sumisión de Parte (PSW), se agregó el punto c. - Completo el texto del punto 5.8.	P. Rubio
2	04/25/11	Se agregó 5.13 “Una vez aprobado, desbloquear número de parte en xpert (sistema interno de Autokabel) de acuerdo a instrucción interna AA03-P06-QSMX”. -Se agregó En el punto 4.1 “Junto con muestras”. -Se modificó en el punto 5.1, viñeta 12 de “Record of compliance”; -se cambió la numeración del punto No 1 por el No 3, con referencia al IMDS.	S. Barraza Códiz
3	04/13/12	-se agregaron los puntos con referencia al certificado de origen del componente; - se agregaron los puntos con referencia e al empaque final del componente. -Se modificó en el punto 5.10, la tabla de clientes: -se eliminó el cliente de Daimler; -Se agregaron los clientes: Hella, Sumitomo, Lear, Pistón, y Tesla.	S. Barraza Códiz
4	09/02/2013	-Se agregó En el punto 13.0 el formato de PSW F1-AA02-P04- AVMX PSW y los puntos obligatorios a llenar por el proveedor. -Se agregó el formato F1-AA02-P04-AVMX PSW en la sección 6.2 y el formato del Material Test results en la sección 6.3.	S. Barraza Códiz
5	01/22/2014	-Se agregó instrucción para el coordinador de Ppaps en la sección 4.3.	S. Barraza Códiz
6	03/28/2014	-Se modificaron las secciones 4.1 y 5.1 agregando PPAP nivel 3 o EMPB.	S. Barraza Códiz
7	08/11/2014	-Se agregó aclaración sobre el pago de los costos de Ppap ver .	P. Rubio

AK WORK INSTRUCTION	Identification No.	Page	Revisión
	AA02-P07-QSMX	15 de 15	17

Supplier PPAP / PPA

8	07/29/2015	-Se agregaron los clientes de AUDI, A123 y Honda a la tabla en la sección 5.9 -Se agregaron los puntos 4 y 5 en la sección 5.3	S. Barraza Códiz
9	02/27/2017	-Revisión periódica sin cambios en el contenido de la Instrucción.	S. Barraza Códiz
10	6/13/2019	Se actualizo la sección 5.2 donde se menciona que la recalificación anual aplica para todos los proveedores y se clarifico que debe ser por año después de la última aprobación Se cambió el punto 5.3 por el 5.2.1 requerimientos de anual layout Se agregó 5.3 notificación de cambios y niveles de sumisión de PPAP requerido Se agregó tabla I, donde se describe los cambios que requieren notificación del proveedor a AKMX y el nivel de sumisión de PPAP requerido en base a requerimiento específico de Honda	Erick Melendez
11	7/09/2019	Cambio de número de control de la Instrucción de AA02-P04-AVMX cambio a AA02-P07-QSMX.	Iliana Zamora
12	11/06/2019	Major change of the document structure and contain.	Erick Melendez
13	01/05/2023	se agrega que el proveedor debe enviar el PPAP al correo asignado PPAPs, Y punto 5.1.1 tabla de comparación de requerimientos de acuerdo a AIAG.	Erick Melendez
14	01/24/2023	Se agregó punto 5.4, especifica que se puede aceptar la aprobación de PPAP de cualquier otra planta que haya aprobado el mismo componente.	Valeria Adame
15	06/06/23	Se agregó en el entregable PFMEA que el proveedor debe manejar RPL en lugar de RPN Se agregó en entregable Plan de control que será revisado de acuerdo a una auditoria de Plan de Control Se agregó en requerimientos específicos de GM que los proveedores deben cumplir con la norma CG4355	Valeria Adame
16	7/12/2023	Se agrega en el punto 10 A y B.	Carlos Duarte
17	11/10/23	Se agrega correo para notificar cambios de ingeniería por parte de los proveedores, se actualizo la comparación de los requerimientos entre VDA y AIAG de acuerdo a la norma VDA 2020, se agrega 3.1 y 3.2 en sumisiones de PPAP	Valeria Adame