Revision	Release Date	Effective Date	Concise Description of Changes
0	24-Nov-2016		Initial release., This is a Clarios property document, it is not controlled by BOS system
1	01-Jan-2017		Include as a reference PSUS-MTS-PR-04-E
2	07-Aug-2017	07-Aug-2017	Update document
3	20-Jul-2020	20-Jul-2020	Changed retention time for CQI from Ford from 24 months to 3 years and added new IATF Ford requirements.
4	27-Jan-2022	27-Jan-2022	Removed reference to other regions and specify this document is for reference only purposes.

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OPS Master files are stored electronically. Electronic copies valid without signature. Printed copies are for reference only.	

1.0 PURPOSE

The purpose of this document is to provide a guideline to the Clarios Suppliers about the specific customer requirements applicable, this document is for referece purpose only and details of the OE/OES Customer Specific Requirements can be obtain from the IATF portal or the specific customer source of the customer specific requirements.

2.0 SCOPE

The Supplier Quality Manager of each region shall define which requirements are applicable in the region and which will be implemented with the suppliers.

3.0 RESPONSIBILITY

The Supplier Quality of each region is responsible for:

- Request the customer specific requirements from the product engineers and/or quality engineer.
- Update this list with specific requirements for sub-tier suppliers.
- Implement the specific requirement in the suppliers when applicable.

Note: The initial notification of Customer specific requirements is through material drawings and specifications

Sub-Tier Suppliers are responsible for:

- Knowledge and implement applicable OE customer requirements.
- Download latest revision of applicable OE customer requirements from IATF portal.

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

4.0 PROCESS

Customer	Requirement	North America (US/MX)
MAN, VW, Scania, Audi	The supplier Tier 1 shall perform process audits in his suppliers according VDA 6.3. Note: Applicable OE sub-tier	X
VW	Suppliers Tier 2 and 3 shall define the responsible for the safety product	X
Fiat, GM	Controlled Shipment Level I and II (CS 1 and CS2)	X
Fiat, Ford, GM, Volvo, Renault, Mercedes Benz Trucks, DAF Trucks, MAN Trucks, VW,FCA ISO/TS	The supplier Tier 2 shall be third party, registered to ISO9001 by an accredited third-party certification body.	X
DAF Trucks, Mitsubishi, Suzuki, Scania, Mercedes Benz Trucks, Renault, Volvo	Clarios is responsible for applying the PPAP approval process for parts they purchase from sub-contractors. *PSA requests level 3 / *GM, Fiat requests level 5 *Only for Brazil	X
Mitsubishi, Suzuki, Mercedes Benz Trucks, Renault, PSA, GM, ISO/TS	The external laboratory shall be accredited to ISO/IEC 17025 or national equivalent.	X
GM	The PPAP level submission for suppliers Tier 3 will be defined by GM's SQE and supplier Tier 1	
GM	IMDS submission for suppliers Tier 2.	X
PSA, Hyundai, Honda	Any modification in products even black box or products from subcontractors shall be informed to PSA. The change/modification shall be implemented after PSA approval	X
FIASA / Fiat	The supplier Tier 1 and 2 shall not perform any modification not authorized in the product approved by Fiat FIASA. In breach of this requirement, the supplier should inform their respective body certification within 5 working days.	X

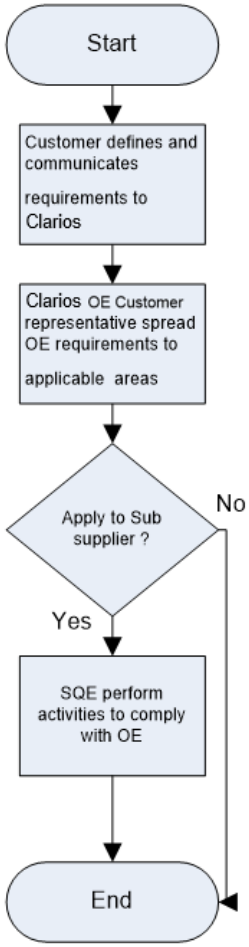
Fiat	Develop suppliers Tier 2 and 3 according addendum 21	
Toyota	Toyota has the access to visit/audit Clarios suppliers when judging necessary. Toyota may request the control plan from suppliers Tier 2 considered critical at any time.	X
VW	Awareness of Product Safety, VW video acknowledgement for applicable Suppliers	X
Hyundai	Inspection Agreement for critical inspection characteristics signed by the supplier Tier 2. Subcontractors List.	X
Ford, FCA	Minimum Automotive Quality Management System Requirements For Sub-Tier Suppliers	X
Ford, VW	Supplier Tier 2 shall perform annually full layout for critical parts.	X
Ford, Hino Motors, Daymler	PPAP and PSW approved	X
Chrysler	APQ and PSO before PPAP submission, identified high risk parts to be approved by customer	X
Mazda	In any change or product modification, a PSD (APQP) to be presented	X
Honda	Control change system . The system shall trigger use of Honda's IPPAAR and IPP system when required	X
Honda	New model Launch, change point control, process requierements, lot control and trazability and corrective actions	X
Honda	Supplier performance with targets, including feedback of results to suppliers at least monthly	X
Honda	supplier visits shall be made by qualified personnel to assess the suitability of potential suppliers to become approved sub-suppliers	X
Honda	Problem Solving Tool	X
Nissan	PSW for any change or product modification	X
Navistar	Level 4 PPAP default, Appendix H APQP PPAP Manual	X
Honda	A quality manual, detailing the suppliers requirements, shall be issued to subsuppliers	
Ford	the organization shall identify the person(s) responsible and having the authority for the activity, plans and execution of job set ups	X
Ford	The organization shall : Documenting , evaluating and improving maintenance objectives.	X
Ford	Ppk 1.33	X
Ford	The organization ensures that Critical Characteristics (CC) have controls which prevent the shipment of non-conforming product, regardless of the location in the supply chain (tier 1 through tier N) of the manufacture of the physical characteristic(s) associated with the Critical Characteristic.	X
Ford	The organization shall define its product realization system, each process and sub process shall be defined, each defined process shall be implemented and controlled.	X

Ford	Customer satisfaction with the organization shall be monitored through continual evaluation of performance., including incidents of premium freight and customer complaints and field returns	X
Ford	Vendor should meet 100% on-time delivery.	X
Ford	Lot traceability throughout the value chain (lot traceability shall include subcontracted components of an assembly/module that are associated with compliance to any inverted delta requirement)	X
Ford	The organization shall audit products at appropriate stages of production and delivery to verify conformity to all specified requirements.	X
Ford	When internal / external nonconformities or customer complaints occur, the frequency shall be appropriately increased.	X
Ford	The Supplier or the affected sub-tier suppliers shall perform a self-assessment as described in the appropriate process standard/ assessment (CQI). The self-assessment shall be performed annually, retained for 3 years and be available to upon request Link:https://web.qpr.ford.com/sta/Ford_GTS.html	X
Ford	Instructions for rework, including re-inspection requirements , shall be accessible to and utilized by the appropriate personnel.	X
Ford	Production operations across all shifts shall be staffed with personnel in charge of, or delegated responsibility for , ensuring conformity to product requirements	X
VW	Risk in the supply chain have been identified, evaluated and reduce.	X
VW	Target agreements have been made with all suppliers throughout the supply chain for products and process	X
VW	Depending on the product risk , traceability must be guaranteed across the entire process chain from sub-supplier to the customer	X
VW	Clarios shall to ensure that Sub-suppliers have a highly-developed appreciation of the importance of quality exists throughout their organization	X
VW	Clarios shall to ensure that Sub-suppliers have special attention in product safety and relevant personnel receive information and training a) Video VW	X
VW	Quality Capability in the production process is ensured and documented Process capability review for measurable characteristics Cpk n ≥ 125 = 1.33 n < 30 = 1.54	X
VW	Material tracking system in place	X
VW	Sub-suppliers use a comparable system analogous to formel Q and meet customer requirements	X

VW	Labeling according to customer regulations components with limited shelf life meet all special labeling requirements *	X
VW	Sub-Suppliers audits relevant for the evaluation of quality capability will be exclusively conducted by certified VDA 6.3 auditors	X
VW	Clarios need to inform to its sub-suppliers throughout the supply chain about the VW requirements and ensure that the requirements are known, understood and implemented.	X
VW	Full completion of the catalogue of requirements: • Audit plan • D/TLD acc formel Q or equivalent • D/TLD at least 15 years archiving	X
VW	Defining and monitoring the improvement program	X
VW	Formal written confirmation of legal conformity parts	X
VW	Data on IMDS complete and up-to-date	X
VW	Conducting a D/TLD self-audit at least every 12 months	X
VW	First in, first out (FIFO)	X
VW	QM system certification IAFT 16949 alternatively VDA 6.1	X
VW	Agreement to target zero failures according to formel Q capability.	X
VW	The process for failure analysis is implemented. Mandatory requirement VDA	X
VW	External qualification of at least one Senior Management member for the basic of product safety and product liability law.	X
VW	Knowledge of the function and purpose of use of the product in the vehicle.	X
FCA	<u>Process Audit</u> A systematic and sequential review of the organization's process shall be completed through a Process Audit (PA) performed by the FCA Supplier Quality Engineer and Product Engineer prior to a PPAP submittal. The purpose is to verify the organization's process readiness and to assure understanding of complete program requirements. <u>Production Part Approval Process</u> The organization shall comply with *Production Part Approval Process (PPAP), 4th Edition, Service Production Part Approval Process (Service PPAP), 1st Edition* and *FCA US Customer-Specific Requirements for Use with PPAP 4th Edition.*	X
FCA	With respect to suppliers to the organization ("sub-tier suppliers"), the organization shall: · Conduct an on-site Process Audit (or equivalent) and Production Demonstration Run (PDR) for all parts/suppliers that are NOT considered by FCA US or the organization to be low risk to the vehicle program. · Develop and maintain a list of approved suppliers for each sub-component, raw material, commodity, technology, or purchased service that is not Consigned or Directed by FCA US. The	X

	organization shall have a documented process and use assigned personnel to monitor and manage performance.	
FCA	Management of Supplier Quality Management System (QMS) Development Supplier QMS development effectiveness shall be evaluated on the basis of evidence that the organization has processes in place that include such elements as: Supplier QMS development strategy (8.4.2.5). o Criteria for designating “exempt” suppliers. o Criteria for granting waivers to select suppliers for compliance to specified elements of ISO 9001 or IATF 16949. Second-party audit administration (8.4.2.4.1). o Identification of second-party auditors. o Criteria for granting self-certification status to qualified suppliers. o A schedule for second-party audits. Organization-controlled record keeping (7.5.3.2.1). Progress monitoring. NOTE: Organizations requiring additional guidance on supplier QMS development should refer to *CQI-19: Sub-tier Supplier Management Process Guideline*.	X
FCA	Supplier Development Not Required of Suppliers Certified to IATF 16949 Supplier QMS certification by an IATF-recognized Certification Body to IATF 16949 completely satisfies the requirements for quality management system development. Further QMS development by the organization is not required while the supplier’s certification is valid. If the supplier certification expires or is cancelled or withdrawn by their Certification Body, the organization shall establish and implement a plan for second-party audits to ensure continued compliance to IATF 16949 until such time as the supplier is recertified. Exemption shall not be granted as an alternative to recertification without approval from FCA US Supplier Quality management.	X
FCA	Second Party Audit Administration The second party must annually audit each non-exempt supplier for whom it has performed the second party service. For suppliers not certified to ISO 9001, the duration of these audits must conform to the full application of the audit day requirements of the *Rules*, Section 5.2. For ISO 9001 certified suppliers, audit length may vary to suit individual supplier requirements and audit resource availability in accordance with the documented development strategy. Audit reports shall be retained as organization-controlled records (7.5.3.2.1). The following second party qualifications shall apply:	X

	1. The organization must be certified to IATF 16949:2016 by an IATF-recognized Certification Body. 2. The IATF 16949 certification of the second party cannot be in “suspended” status. Supplier self-certification The organization shall have a documented process for identifying and qualifying suppliers for whom selfcertification is an effective alternative to second-party audits for QMS development. Qualification criteria shall include a preliminary evaluation (audit) of the supplier’s QMS, an analysis of the supplier’s quality performance and an assessment of the incremental risk to organization products. Self-certification qualifications shall be documented and subject to periodic review. Such documents shall be managed as organization-controlled records (7.5.3.2.1).	
FCA	Supplier exemptions / waivers The organization strategy for supplier development of its active suppliers shall include a documented process for designating "exempt” suppliers – those suppliers who are unable or unwilling to fully certify a quality management system to IATF 16949 or ISO 9001.	X
FCA	With respect to external providers to the organization (i.e. “sub-tier suppliers”), the organization shall: Cascade and communicate all FCA US quality requirements (e.g., Quality Planning, Process Audit, PDR, Forever Requirements, etc.) throughout the organization’s supply chain. Initiate a Forever Requirement Notice for any proposed process change throughout the supply chain.	X
FCA	Annual Layout To ensure continuing conformance to all FCA US requirements, a complete annual layout inspection, including all sub-components, shall be required for all production parts and components unless waived in writing by the FCA US Supplier Quality Engineer. Any such waiver shall be subject to annual review and renewal. Documented evidence of the waiver shall be retained as an organization-controlled record.	X

Process	Document	Resource	Comments
	Customer specific documents Customer requirements Material specification SRA PPAP	Customer Project owner / Advance Qality Supplier Quality / Procurement	

5.0 RECORDS/LOGS

Document Name	Document Reference #	Record Format	Storage Location	Responsible Department/Role

* Note: All records/logs listed here are retained during product life + 1 (One) year. Others documents define period per region.

6.0 REFERENCES

Document Type	Document Name	Document Reference #
BOS Document	Customer Specific Requirements Procedure	PSUS-MTS-PR-04-E

OE customer specific requirements
http://www.iatfglobaloversight.org/content.aspx?page=OEMCustomer-SpecificRequirements

7.0 DEFINITIONS

APQP – Advanced Product Quality Planning

SQE- Supplier Quality Engineer

SRA- Statement Review and Acceptance

IMDS- International Material Data System

Annex 1.

Below are some examples just for references of sub Tier commodities, for more details contact SQE

Tier 1: Battery Plants, Destribution Centers

Tier 2: Battery components (DECO, WET, DUF), plates components.

Tier 3: Materials of the tier 2 components (bushing, lead for smelters, alloyoings, ink, etc.)

Tier 4: Materials of the tier 3 (lead for bushings, etc.)