

Sub-tier Supplier Management Process

March.2021 Prepared by: Supplier Development



- Automotive Industry Challenges
- Sub-tier Supplier Requirements
 - Pre-selection Phase
 - Selection Phase
 - APQP/ PPAP Phase
 - Performance Monitoring, Development and/ or Escalation Phase
- Questions



• Human impact, safety/care strategy

Business Continuity

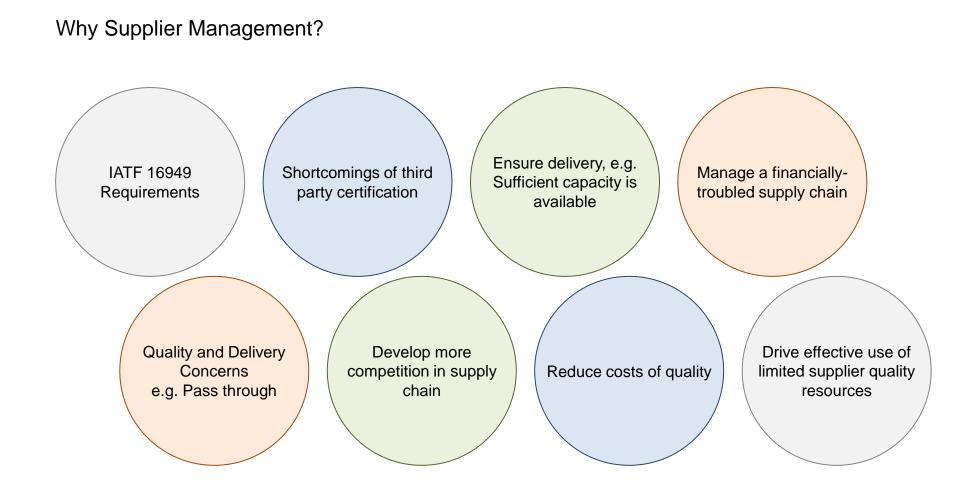
- Economic: cash flows, debt levels, sales, forecast, automotive market trends, savings and cost reduction strategies, etc.

- Contingency Plans: Organization context, Stakeholders, systemic approach (Power, Machines, Tools & Equipment, Raw Material Availability, Potencial bankrupcy from key suppliers, alternate sources of supply, Customer's requirements)

- Assure Operative Discipline: Quality, Deliveries
- Sub-supplier Management

Automotive Industry Challenges







Yearly KPI Monthly KPI Monthly KPI • ٠ No controls Self assessment 2nd Party Audit 2nd Party Audit • Supplier Development Supplier Development Contingency plan Contingency plan SGC Development SGC Development ٠ Escalation Escalation ٠ ٠ NC **ISO 9001 ISO 9001** IATF Component Heat treat. Raw Sub-Finishing А Assembly Material OFM Supplier Supplier Supplier Supplier Tier 3 Tier 2 Tier 1 Tier 4 Material Certificate PPAP Level 3 APQP Process APQP Process • • IMDS PPAP Level 3 PPAP Level 3 IMDS Run@Rate ٠ CQI Coretools ٠ IMDS Coretools •

Why Supplier Management?

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8.4 – Control of externally provided processes, products and services

ISO 9001	IATF 16949	AIAG CQI-19
8.4.1 – General	8.4.1.1 – Supplemental 8.4.1.2 – Supplier selection Process 8.4.1.3 – Customer-directed sources (also known as "Directed-Buy")	Pre-selection/ selection phases
8.4.2 – Type and extent of control	 8.4.2.1 – Supplemental 8.4.2.2 – Statutory and regulatory requirements 8.4.2.3 – Supplier quality management system development 8.4.2.3.1 – Automotive product-related software or automotive products with embedded software 8.4.2.4 – Supplier monitoring 8.4.2.4.1 – Second-party audits 8.4.2.5 – Supplier development 	Performance monitoring phase Pre-selection phase Performance monitoring phase Pre-selection phase Performance monitoring phase Performance monitoring phase Performance monitoring phase
8.4.3 – Information for external providers	8.4.3.1 – Supplemental	APQP/ PPAP phase
8.3.4 – Design and development controls	8.3.4.4 – Product approval process	
All products and service	Direct materials	

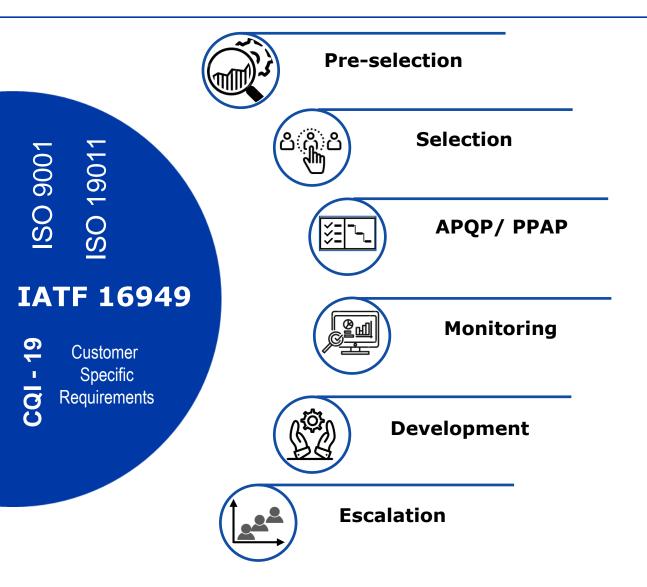




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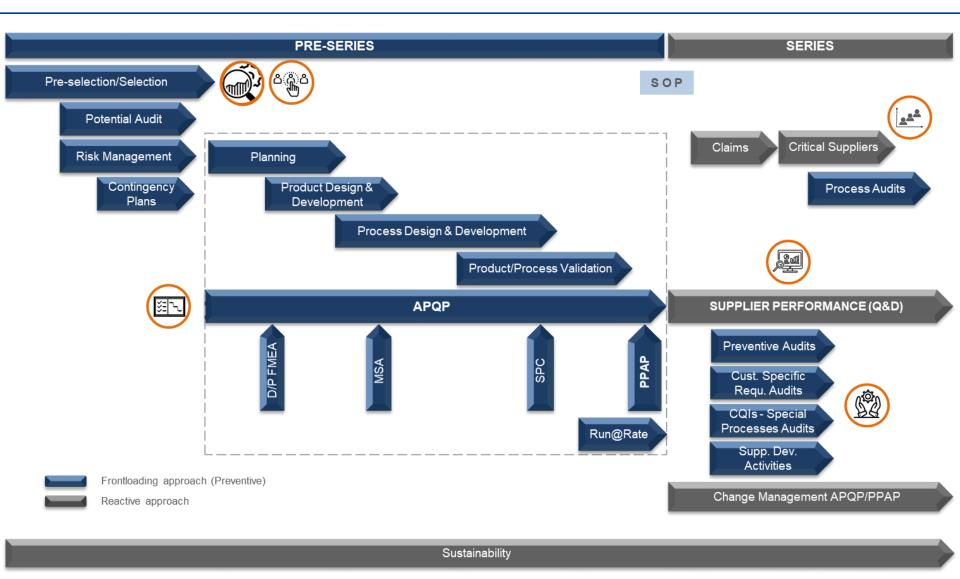
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1006 OS OS IATF 16949 € Customer

Specific Requirements

ISO 9001 8.4 – Control of externally provided processes, products and services

- The organization shall determine and apply criteria for the evaluation, selection, monitoring of performance, and re-evaluation of external providers, based on their ability to provide processes or products and services in accordance with requirements. The organization shall retain documented information of these activities and any necessary actions arising from the evaluations.

IATF 16949 8.4.1.1 – Supplemental

- The organization shall include all products and services that affect Customer requirements such as sub-assembly, sequencing, sorting, rework, and calibration services in the scope of their definition of externally provided products, processes and services.



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Pre-selection Phase



	1. Pre-selection	n Cross functional team approach
O C - Timir	Define Part Requirements	Supplier Pre- qualification Bid-list Assessment
	 Volume/ Annual forecast Timing Quality 	VDA 6.3 Potential analysis Selection Criteria On-site QMS assessment minimum
IATF 16949 Customer Specific Requirements	 Logistics Technical/ Technology Process requirements Special processes Material requirements Product traceability Customer Specific Requirements 	 Financial stability Historical performance Business Continuity Planning (Contingency planning) Resources availability (Facilities, locations, equipment, people, technical competency, experience with product) Certifications (Quality, environmental, health & safety) New Projects and change management Manufacturing feasibility Sustainability Capacity Sub-tier supplier management process Organization review (Management commitment, continual
00.02.2021 Proposed by a		improvement strategies)





IATF 16949 – 8.4.1.2 – Supplier selection Process

The organization shall have a documented supplier selection process. The selection process shall include:

- a) An assessment of the selected supplier's risk to product conformity and uninterrupted supply of the organization's products to their customers
- b) Relevant quality and delivery performance
- c) An evaluation of the supplier's quality management system
- d) Multidisciplinary decision making
- e) An assessment of software development capabilities, if applicable.



Is a documented Process for this topic requested by IATF 16949?



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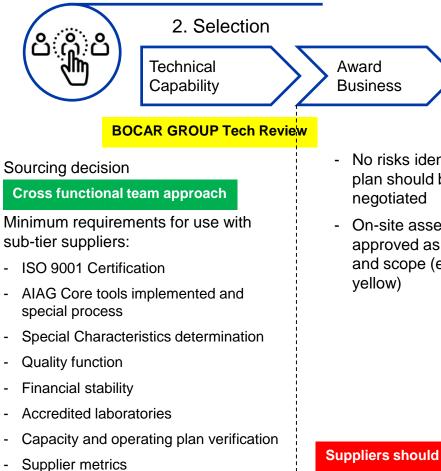
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ISO 9001 ISO 19011

IATF 16949

Customer Specific Requirements



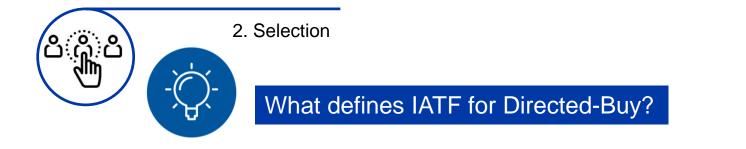
 No risks identified, if so mitigation plan should be agreed and negotiated

 On-site assessment should be approved as per the audit criteria and scope (e.g. VDA 6.3 minimum yellow)

Suppliers should not be selected on price alone

Selection Phase





IATF 16949 – 8.4.1.3 – Customer-directed sources (also known as "Directed-Buy")

When specified by the customer, the organization shall purchase products, material, or services from customer-directed sources.

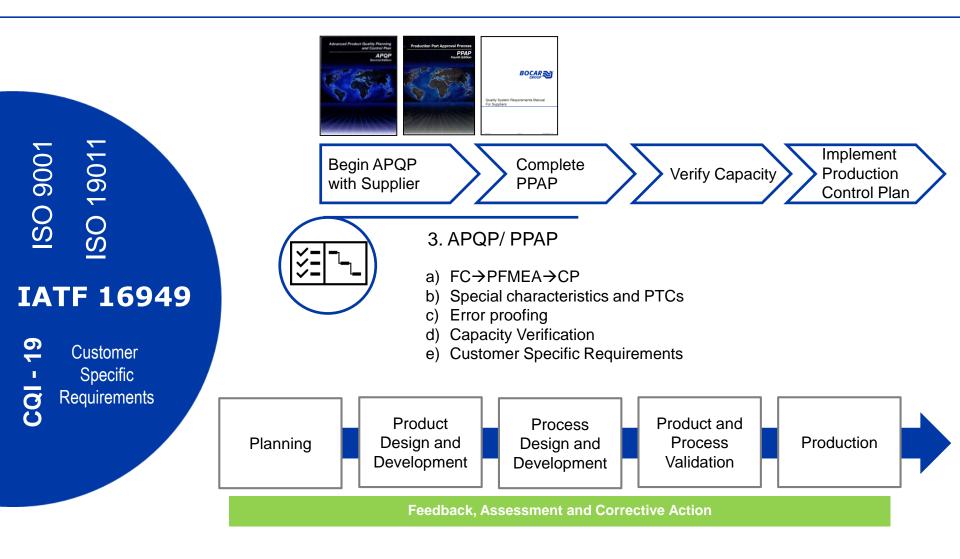
All requirements of section 8.4 (except the requirements in IATF 16949, Section 8.4.1.2) are applicable to the organization's control of customer-directed sources unless specific agreements are otherwise defined by the contact between the organization and the customer.



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APQP/ PPAP Phase



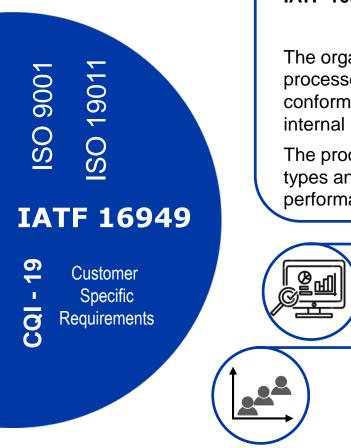




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Performance, Monitoring, Development and/ or Escalation Phase





IATF 16949 – 8.4.2.1 – Type and extent of control - supplemental

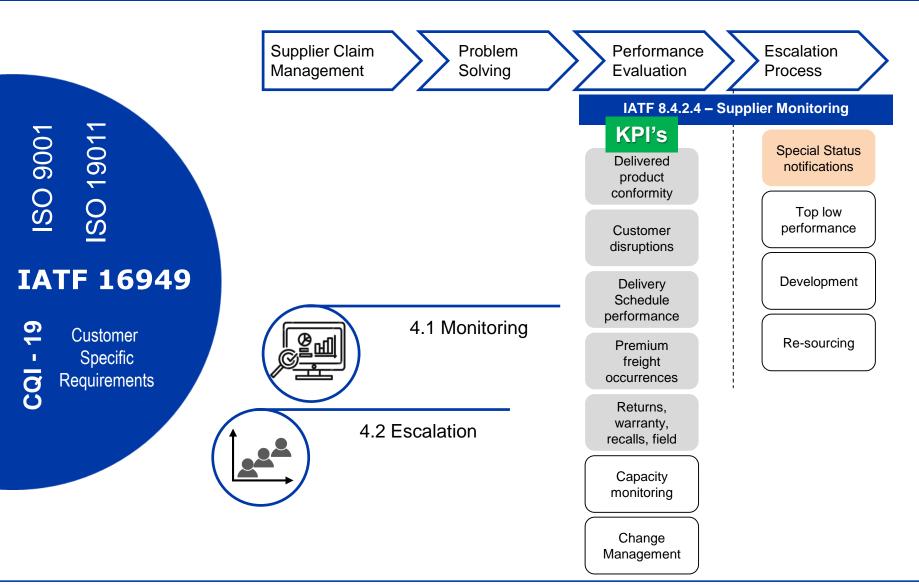
The organization shall have a documented process to identify outsourced processes and to select the types and extent of controls used to verify conformity of externally provided products, processes, and services to internal (organizational) and external customer requirements.

The process shall include the criteria and actions to escalate or reduce the types and extent of controls and development activities based on supplier performance and assessment of product, material or service risks.

4.1 Monitoring
4.2 Escalation

Performance, Monitoring, Development and/ or Escalation Phase











IATF 16949 – 8.4.2.5 – Supplier development

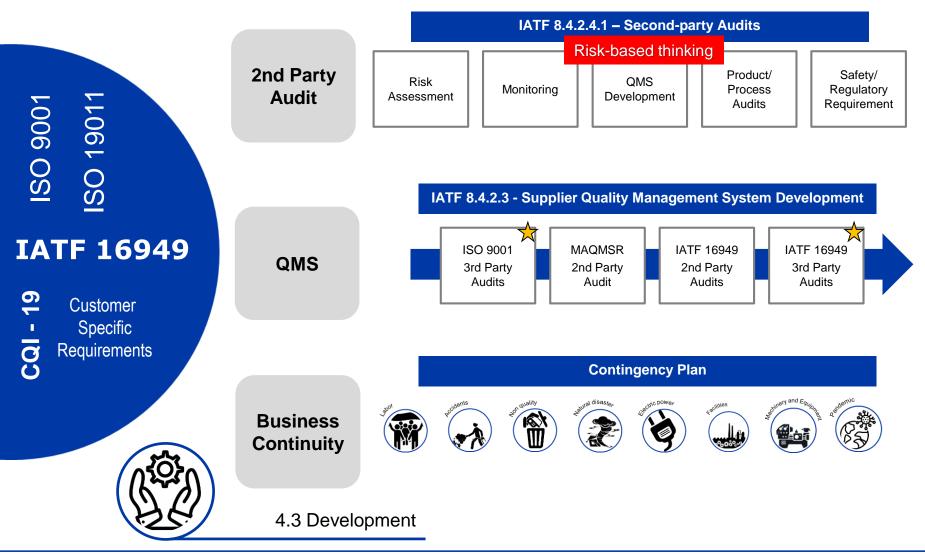
The organization shall determine the priority, type, extent, and timing of required supplier development actions for its active suppliers. Determination inputs shall include but are not limited to the following:

- a) Performance issues identified through supplier monitoring
- b) Second-party audit findings
- c) Third-party quality management system certification status
- d) Risk analysis

The organization shall implement actions necessary to resolve open (unsatisfactory) performance issues and pursue opportunities for continual improvement.

4.3 Development







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