IATF 16949:2016 Clauses | Automotive Quality Management System Standard	
Clause No.	Clauses name
1	**Scope**
1.1	**Scope-automotive supplemental to ISO 9001:2015**
2	**Normative references**
3	**Terms and definiitions** (See ISO 9001:2015 requiremets)
3.1	**Terms & definitions for the automotive industries.**
4	**Context of the organization**
4.1	**Understanding the orgaization and its context.**
4.2	**Understanding the needs and expectations of interested parties.**
4.3	**Determining the scope of the quality management system.**
4.3.1	Determining the scope of the quality management system-supplemental.
4.3.2	Customer-specific-requirements.
4.4	**Quality management system & its processes.**
4.4.1	(See ISO 9001:2015 requiremets)
4.4.1.1	Conformance of products & processes
4.4.1.2	Product safety
4.4.2	(See ISO 9001:2015 requiremets)
5	**Leadership**
5.1	**Leadership and commitment**
5.1.1	General
5.1.1.1	Corporate responsibility
5.1.1.2	Process effectiveness & efficiency.
5.1.1.3	Process owners
5.1.2	Customer focus
5.2	**Policy**
5.2.1	Establishing the Quality Policy.
5.2.2	Communicating the Quality Policy.
5.3	**Organizational roles, responsibilities and authorities.**
5.3.1	Organizational roles, responsibilities and authorities-supplemental.
5.3.2	Responsibilities and authorities for product requirements and corrective actions.
6	**Planning**
6.1	**Actions to address risks and opportunities**
6.1.1	(See ISO 9001:2015 requiremets)
6.1.2	(See ISO 9001:2015 requiremets)
6.1.2.1	Risk analysis
6.1.2.2	Preventive actions
6.1.2.3	Contigency plans
6.2	**Quality objectives and planning to achieve them**
6.2.1	(See ISO 9001:2015 requiremets)
6.2.2	(See ISO 9001:2015 requiremets)
6.2.2.1	Quality objectives and planning to achieve them - supplemental.
6.3	**Planning of changes**
7	**Support**
7.1	**Resources**
7.1.1	General (See ISO 9001:2015 requiremets)
7.1.2	People (See ISO 9001:2015 requiremets)
7.1.3	Infrastructure (See ISO 9001:2015 requiremets)

7.1.3.1	Plant, facility, & equipment planning	
7.1.4	Environment for the operation of processes (See ISO 9001:2015 requiremets)	
7.1.4.1	Environment for the operation of processes-supplemental	
7.1.5	Monitoring & measuring resources	
7.1.5.1	General (See ISO 9001:2015 requiremets)	
7.1.5.1.1	Measurement system analysis	
7.1.5.2	Measurement traceability (See ISO 9001:2015 requiremets)	
7.1.5.2.1	Calibration/verification records	
7.1.5.3	Laboratory requirements	
7.1.5.3.1	Internal laboratory	
7.1.5.3.2	External laboratory	
7.1.6	Organizational knowledge (See ISO 9001:2015 requiremets)	
7.2	**Competence** (See ISO 9001:2015 requiremets)	
7.2.1	Competence - supplemental	
7.2.2	Competence - on the job training (OJT)	
7.2.3	Internal auditor competency	
7.2.4	Second party auditor competency	
7.3	**Awareness** (See ISO 9001:2015 requiremets)	
7.3.1	Awareness - supplemental	
7.3.2	Employee motivation & empowerment	
7.4	**Communication** (See ISO 9001:2015 requiremets)	
7.5	**Documented information**	
7.5.1	General (See ISO 9001:2015 requiremets)	
7.5.1.1	Quality management system documentation	
7.5.2	Creating & updating (See ISO 9001:2015 requiremets)	
7.5.3	Control of documentd information	
7.5.3.1 & 7.5.3.2	(See ISO 9001:2015 requiremets)	
7.5.3.2.1	Record retention	
7.5.3.2.2	Engineering specifications	
8	**Operation**	
8.1	**Operational planning and control** (See ISO 9001:2015 requiremets)	
8.1.1	Operational planning and control - supplemental	
8.1.2	Confidentiality	
8.2	**Requirements for products & services**	
8.2.1	Customer communication (See ISO 9001:2015 requiremets)	
8.2.1.1	Customer communication - Supplemental	
8.2.2	Determine the requirements for products & services (See ISO 9001:2015 requiremets)	
8.2.2.1	Determine the requirements for products & services - Supplemental	
8.2.3	Review of the requirements for products & services	
8.2.3.1	(See ISO 9001:2015 requiremets)	
8.2.3.1.1	Review of the requirements for products & services - Supplemental	
8.2.3.1.2	Customer-desognated special characteristics	
8.2.3.1.3	Organization manufacturing feasibility	
8.2.3.2	(See ISO 9001:2015 requiremets)	
8.2.4	Changes to requirements for products & services	
8.3	**Design & Developmemt of products & services**	
8.3.1	General (See ISO 9001:2015 requiremets)	
8.3.1.1	Design & Developmemt of products & services - supplemental	
8.3.2	Design & Developmemt planning (See ISO 9001:2015 requiremets)	

	8.3.2.1	Design & Developmemt planning - supplemental
	8.3.2.2	Product design skills
	8.3.2.3	Development of products with embedded software
	8.3.3	Design & Developmemt Inputs (See ISO 9001:2015 requiremets)
	8.3.3.1	Product design input
	8.3.3.2	Manufacturing process design input
	8.3.3.3	Special characteristics
	8.3.4	Design & Developmemt Control (See ISO 9001:2015 requiremets)
	8.3.4.1	Monitoring
	8.3.4.2	Design & Developmemt validation
	8.3.4.3	Prototype programme (see also ISO 9001:2015, clause section 8.4)
	8.3.4.4	Product approval process
	8.3.5	Design & Developmemt Outputs (See ISO 9001:2015 requiremets)
	8.3.5.1	Design & developmemt outputs - supplemental
	8.3.5.2	Manufacturing process design output
	8.3.6	Design & Developmemt Changes (See ISO 9001:2015 requiremets)
	8.3.6.1	Design & developmemt changes - supplemental
8.4		**Control of externally provided processes, products and services**
	8.4.1	General (See ISO 9001:2015 requiremets)
	8.4.1.1	General - supplemental
	8.4.1.2	Supplier selection process
	8.4.1.3	Customer-directed sources (also known as "Directed-Buy"
	8.4.2	Type & extent of control (See ISO 9001:2015 requiremets)
	8.4.2.1	Type & extent of control-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	Secondary-party audits
	8.4.2.5	Supplier development
	8.4.3	Information for external providers (See ISO 9001:2015 requiremets)
	8.4.3.1	Information for external providers - supplemental
8.5		**Production and service provision**
	8.5.1	Control of production and service provision(See ISO 9001:2015 requiremets)
	8.5.1.1	Control Plan
	8.5.1.2	Standardized work - operator instructions and visual standards
	8.5.1.3	Verification of job set-ups
	8.5.1.4	Verification after shutdown
	8.5.1.5	Total productive maintenance
	8.5.1.6	Management of production tooling and manufacturing test, inspection and equipment
	8.5.1.7	Production scheduling
	8.5.2	Identification and traceability (See ISO 9001:2015 requiremets)
	8.5.2.1	Identification and traceability - supplemental
	8.5.3	Property belonging to customer or external providers (See ISO 9001:2015 requiremets)
	8.5.4	Preservation (See ISO 9001:2015 requiremets)
	8.5.5	Post-delivery activities(See ISO 9001:2015 requiremets)
	8.5.5.1	Feedback of informationfrom service
	8.5.5.2	Service agreement with customer
	8.5.6	Control of changes (See ISO 9001:2015 requiremets)

8.5.6.1	Control of changes - supplemental
8.5.6.1.1	Temporary change of process controls
8.6	**Release of products and services** (See ISO 9001:2015 requiremets)
8.6.1	Release of products and services - supplemental
8.6.2	Layout inspection and functional testing
8.6.3	Appearance items
8.6.4	Verification and acceptance of conformity of externally provided products and services
8.6.5	Statutory and regulatory conformity
8.6.6	Acceptance criteria (refer section 9.1.1.1 also)
8.7	**Control of nonconforming outputs**
8.7.1	(See ISO 9001:2015 requiremets)
8.7.1.1	Customer authorization for concession
8.7.1.2	Control of nonconformity products - customer specific process
8.7.1.3	Control of suspect product
8.7.1.4	Control of reworked product
8.7.1.5	Control of repaired product
8.7.1.6	Customer notification
8.7.1.7	Nonconforming product disposition
8.7.2	See ISO 9001:2015 requiremet
9	**Performance evaluation**
9.1	**Monitoring, measurement, analysis and evaluation**
9.1.1	General (See ISO 9001:2015 requiremets)
9.1.1.1	Monitoring & measurement of manufacturing processes
9.1.1.2	Identification of statistical tools
9.1.1.3	Application of statistical concepts
9.1.2	Customer satisfaction (See ISO 9001:2015 requiremets)
9.1.2.1	Customer satisfaction- supplemental
9.2	**Internal audit**
9.2.1 & 9.2.2	See ISO 9001:2015 requiremets
9.2.2.1	Internal audit programme
9.2.2.2	Quality management system audit
9.2.2.3	Manufacturing process audit
9.3	**Mangement review**
9.3.1	General (See ISO 9001:2015 requiremets)
9.3.1.1	Mangement review - supplemental
9.3.2	Management review inputs
9.3.2.1	Management review inputs - supplemental
9.3.3	Management review outputs (See ISO 9001:2015 requiremets)
9.3.3.1	Management review outputs -supplemental
10	**Improvement**
10.1	**General (See ISO 9001:2015 requiremets)**
10.2	**Nonconformity and corrective action**
10.2.1 & 10.2.2	See ISO 9001:2015 requiremets
10.2.3	Problem solving
10.2.4	Error-proofing
10.2.5	Warranty management systems
10.2.6	Customer complaints and field failure test analysis
10.3	Continual improvement (See ISO 9001:2015 requiremets)
10.3.1	Continual improvement - supplemental

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