

IATF 16949:2016 - LIST and DESCRIPTION of QMS FLOW CHARTS

IATF 16949:2016 Flow Chart #	Description
Note	The 7 main flow diagrams (FD-xxx-xxx in bold) provide a summary of the QMS while dealing with the 7 clauses of IATF 16949:2016 and integrating information from the QMS Documentation package.
Note	The remaining 24 flow diagrams expand on the 7 main ones and deal with understanding what can be done to meet the requirements by providing examples of typical activities and processes.
FD-400-001	The flow diagram demonstrates the elements of Clause 4 dealing with the context of the organization, assigns the responsibility for the process and points out the supporting procedure, the forms and flow charts.
FD-440-001	The flow diagram represents the interaction of the processes associated with the origin of the requirements and the resulting documented information.
FD-500-001	The flow diagram demonstrates the elements of Clause 5 dealing with leadership, assigns the responsibility for the process and points out the supporting procedure, the forms and flow charts.
FD-510-001	Provides a typical business process map that shows the core business processes and the management and support processes required for business system management.
FD-512-001	The flow chart shows the management functions and their interactions in the QMS that provide focus on the customer.
FD-520-001	Provides typical examples for an organization's corporate policies, quality policy, quality objectives, and strategic direction that demonstrate the commitment of management to the QMS.
FD-530-001	Provides typical SME Organization chart. The chart can be included as attachment A-530-001 in a Quality / Operations Manual.
FD-600-001	The flow diagram demonstrates the elements of Clause 6 dealing with planning for the QMS, assigns the responsibility for the processes, including Risks and Opportunities, and points out the supporting procedure, the forms and flow charts.
FD-610-001	Outlines the typical sequence of activity for the planning of the QMS, the operations, performance measurements, and improvements
FD-620-001	Outlines the planning of quality objectives and with the P-D-C-A approach provides typical examples of objectives at the relevant functions in a company.
FD-700-001	The flow diagram demonstrates the elements of Clause 7 dealing with support processes, assigns the responsibility for the processes and points out the supporting procedures, the forms and flow charts.
FD-710-001	The flow diagram demonstrates the elements of Clause 7.1 dealing with resources and points out the supporting elements for people, infrastructure, environment, monitoring and measuring resources, and organizational knowledge.
FD-750-001	Outlines the control of documented information and identifies the procedure and forms used to organize, control and retain the documented information.
FD-800-001	The flow diagram demonstrates the elements of Clause 8 dealing with operations, assigns the responsibility for the process and points out the supporting procedures, the forms and flow charts.

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FD-810-002	Provides an example of a manufacturing process flow and includes the typical steps from receipt of order to provision of service support.
FD-810-003	Shows a production / quality plan with typical activities from customer needs assessment to final release of product and invoice submission.
FD-820-001	Outlines the customer related processes, includes activities from customer inquiry to delivery and points out the supporting procedure and flow charts.
FD-830-001	Outlines the process for design and development of products, includes typical activities from design input to customer production order and points out the supporting procedures, forms, and flow charts.
FD-830-002	Provides an example of the sequence of product / service development activities for the Stage-Gate processes from idea to launch.
FD-831-001	Outlines the process for design and development of manufacturing processes, includes typical activities from design input to customer production order and shows supporting procedures, forms, and flow charts.
FD-840-001	Outlines the purchasing process for the procurement of products / services from external providers, including out-sourced processes required for production orders and points out the supporting procedures and forms.
FD-850-001	The flow diagram for Operations – production and service, provides a graphical representation of the interaction of the clauses and sub-clauses 8.5, 8.6, and 8.7 as outlined in the procedure for control of production and service provision.
FD-851-001	Outlines the 5-M contributors to effective realization of the products and points out the relevant QMS activities and procedures.
FD-851-002	Outlines the system control points and the process control activities to show the controlled conditions required to realize process control objectives for products / services and points out the supporting procedures and forms used.
FD-851-003	Provides an example of a process control system that identifies the process steps with control / inspection points and the control / inspection points where data is generated for typical manufacturing processes.
FD-852-001	Outlines the identification and traceability process and points out the activities and supporting procedures required to achieve status, identification and traceability of products, and control of external property.
FD-855-001	Outlines the post delivery service process and points out the supporting procedures, flow charts and records.
FD-900-001	The flow diagram demonstrates the elements of Clause 9 dealing with performance evaluation, assigns responsibility for the process and points out the supporting procedures, the forms & flow charts. Customer satisfaction, internal audits and management review process are included.
FD-1010-001	The flow diagram demonstrates the elements of Clause 10 dealing with nonconformity, corrective action, and continual improvement, assigns the responsibility for the process and points out the supporting procedures, the forms and flow charts.
FD-1020-001	Provides an example to show the sequence and the typical steps used for an effective corrective action process.
FD-1030-001	Outlines an example of a planning cycle showing the activities for the continual improvement of the QMS via the analysis of data, and points out the supporting procedures, forms & flow charts required to be successful.