USL INTERNATIONAL QUALITY SERVICES
Quality Solutions to Enhance Customer Confidence

ISO 9001:2015 ISO 22163:2017 (IRIS)
Correlation Matrix (Gap Analysis)

USL International Quality Solutions
Consultancy Services for ISO, IRIS, AS, IATF

Section	Section Title	ISO 9001:2015 Requirement	ISO 22163:2017 Additions	Topic of Additional Requriements
4	**Context of the organization**			
4.1	Understanding the organization and its context	✔		
4.2	Understanding the needs and expectations of interested parties	✔		
4.3	Determining the scope of the qualiity management system	✔		
4.4	Quality management system and its processes	✔	✔	4.4.3- Quality management system and its processes- supplemental
5	**Leadership & commitment**			
5.1.1	General	✔		
5.1.2	Customer Focus	✔		
5.2	**Policy**			
5.2.1	Establishing the quality policy	✔		
5.2.2	Communicating the Quality Policy	✔	✔	5.2.3- Communicating the Quality Policy 5.2.4- Safety Policy
5.3	Organizational roles, responsibilites and authorities	✔	✔	5.3.1- Organizational roles, Responsibility and authority - Supplemental, 5.3.2- Responsibility and authority process owners
6	**Planning**			
6.1	Actions to address risks and opportunities	✔	✔	6.1.3- Actions to address risks and opportunities- supplemental 6.1.4- Contigency Planning
6.2	6.2.1 & 6.2.2- Quality objectives and planning to achieve them	✔	✔	6.2.3- Safety objectives
6.3	Planning of changes	✔	✔	6.4- Business Planning
7	**Support**			
7.1	Resources	✔		
7.1.1	General	✔	✔	7.1.1.1- General- Supplemental
7.1.2	People	✔		
7.1.3	Infrastucture	✔		
7.1.4	Environment for the operation of processes,	✔		
7.1.5	**Monitoring and Measuring resources**			
7.1.5.1	General	✔		
7.1.5.2	Measurement traceability	✔	✔	7.1.5.3- Monitoring & measuring resources- Supplemental
7.1.6	Organizational knowledge	✔	✔	7.1.6.1- Organizational knowledge - Supplemental
7.2	Competence	✔	✔	7.2.1- Compentence - Supplemental,
7.3	Awareness	✔	✔	7.3.1- Awareness - Supplemental,
7.4	Communnication	✔		
7.5	**Documented Information**			
7.5.1	General	✔		
7.5.2	Creating & updating	✔		

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7.5.3	Control of documented information	✓	✓	7.5.3.3- Control of documented information- Supplemental
8	**Operation**			
8.1	Operational planning and control	✓	✓	8.1.1- Planning for the outsourcing or transfer of process, 8.1.2- Tender Management 8.1.3- Project Management 8.1.3.1- Integration Management 8.1.3.2- Project scope management 8.1.3.3- Project time management 8.1.3.4- Projct cost management 8.1.3.5- Project quality management 8.1.3.6- Project human resource management 8.1.3.7- Project communication management 8.1.3.8- Project risk & opportunity management 8.1.3.9- Project procurement management 8.1.4- Configuration management 8.1.5- Change management
8.2	**Requirements for products and services**			
8.2.1	Customer Communication	✓	✓	8.2.1.1- Customer communication - Supplemental,
8.2.2	Determining the requirements for products and services	✓	✓	8.2.2.1- Determining the requirements of products and services -Supplemental,
8.2.3	Review the requirements for products and services	✓		
8.2.4	Changes to requirements for product and services	✓	✓	8.2.5- Requrements for products and services
8.3	**Design and development of products and services**			
8.3.1	General	✓	✓	8.3.1.1- General - Supplemental
8.3.2	Design and development Planning	✓	✓	8.3.2.1- Design and development Planning- Supplemental
8.3.3	Design and development inputs	✓	✓	8.3.3.1- Design and development inputs-supplemental
8.3.4	Design and development controls	✓	✓	8.3.4.1- Design and development controls- supplemental 8.3.4.2- Design review 8.3.4.3- Design verfication 8.3.4.4- Design validation
8.3.5	Design and development outputs	✓	✓	8.3.5.1- Design and development outputs- Supplemental,
8.3.6	Design and development changes	✓		
8.4	**Control of externally provided processes, products and services**			
8.4.1	General	✓	✓	8.4.1.1- General - Supplemental, 8.4.1.1.1- Classification of external providers and external provided products, process, services 8.4.1.1.2- Evaluation of external providers 8.4.1.1.3- Approval of external providers 8.4.1.1.4- External providers offer selection
8.4.2	Type and extent of control	✓	✓	8.4.2.1- External provided products, process, services approval of release 8.4.2.2- External provided products, process, services verification after release, 8.4.2.3- Monitoring of external providers performance, re-evaluation and ranking

8.4.3	Information of external providers	✔	✔	8.4.3.1- Information of external providers-supplement 8.4.4- Supply chain management
8.5	**Production and service provision**			
8.5.1	Control of Production and service provision	✔	✔	8.5.1- Control of Production and service provision 8.5.1.1.1- Controlled conditions, 8.5.1.1.2- Verification of process for production and service provision 8.5.1.1.3- Validation of process for production and service provision 8.5.1.2- Special Process 8.5.1.3- Production equipment,
8.5.2	Identification & Traceability	✔	✔	8.5.2.1- Identification and traceability - Supplemental,
8.5.3	Property belonging to customer or external providers	✔	✔	8.5.3.1- Property belonging to customer or external providers- supplemental
8.5.4	Preservation	✔	✔	8.5.4.1- Preservation - Supplemental
8.5.5	Post-delivery actvities	✔	✔	8.5.5.1-Post-delivery actvities - Supplemental
8.5.6	Control of chnages	✔	✔	8.5.7- Production schedualing
8.6	Release of products and services	✔	✔	8.6.1- Release of products and services - Supplemental,
8.7	Control of nonconforming outputs	✔	✔	8.7.3- Control of nonconforming outputs -supplemental 8.8- RAMS/LCC 8.9- FAI 8.10- Obsolescence management 8.11- Innovation management
9	**Performance evaluation**			
9.1.1	Monitoring, measurement, analysis and evaluation	✔	✔	9.1.1.1- Genral - supplemental
9.1.2	Customer satisfaction	✔	✔	9.1.2.1- Customer satisfaction - Supplemental
9.1.3	Analysis and evalution	✔	✔	9.1.3.1- Analysis and evalution - supplemental
9.2	Internal audit	✔	✔	9.2.3- Internal audit- supplement , 9.2.3.1- Audit programme 9.2.3.2- Audit Management
9.3.1	Management review	✔	✔	9.3.1.1- Management review - Supplemental,
9.3.2	Management review inputs	✔	✔	9.3.2.1- Managemennt review inputs - Suppliemental,
9.3.3	Management review outputs	✔	✔	9.3.3.1 - Management review outputs - Supplemental 9.4- Process reviews
10	**Improvement**			
10.1	General	✔		
10.2	Nonconformity and corrective action	✔	✔	10.2.3- Nonconformity and corrective actions
10.3	Continual improvement	✔	✔	10.3.1- Continual improvement - Supplemental