

Requirements Correlation Matrix

**International Aerospace Quality Group (IAQG)
AS/EN/SJAC 9110:2016 (Rev C)**

VS

**European Aviation Safety Agency (EASA)
Commission Regulation (EU) 1321/2014
Part-145 Section A**



Introduction

This document has been created by the IAQG 9110 writing team to provide detailed correlation between the requirements of AS/EN/SJAC 9110:2016 (Rev C), and Commission Regulation (EU) 1321/2014 Part-145 Section A, including amendments (2015/1088, 2015/1536, 2018/1142), commonly known as EASA Part-145.

The information contained within this document can be used to provide correlation when comparing requirements between the respective standard/regulation, it is not intended to provide exact equivalency or assumed acceptable means of compliance between the stated requirements.

This information may be useful for example when: organizations are determining their management system requirements, audit program managers are expressing audit scope and criteria, auditors are developing their audit plan/preparing questionnaires etc.

This document comprises of two sections:

- Section 1 - Correlation of the EASA Part-145 Section A paragraphs to each of the 9110:2016 (Rev C) clauses
- Section 2 - Correlation of the 9110:2016 (Rev C) clauses to each of the EASA Part-145 Section A paragraphs

Section 1 - Correlation of the EASA Part-145 Section A paragraphs to each of the 9110:2016 (Rev C) clauses

9110:2016 (Rev C)		EASA Part-145:2014	
Clause #	Clause Title	Paragraph #	Paragraph Title
4.	CONTEXT OF THE ORGANIZATION		
4.1	Understanding the Organization and its Context	N/A	
4.2	Understanding the Needs and Expectations of Interested Parties	145.A.15	Application
		145.A.30	Personnel requirements
		145.A.42	Components
		145.A.45	Maintenance data
		145.A.60	Occurrence reporting

		145.A.65	Safety and quality policy, maintenance procedures and quality system
		145.A.70	Maintenance organisation exposition
		145.A.75	Privileges of the organisation
		145.A.80	Limitations on the organisation
		145.A.85	Changes to the organisation
		145.A.90	Continued validity
		145.A.95	Findings
4.3	Determining the Scope of the Quality Management System	145.A.20	Terms of approval
		145.A.70	Maintenance organisation exposition
		145.A.75	Privileges of the organisation
		145.A.80	Limitations on the organisation
		145.A.85	Changes to the organisation
		145.A.90	Continued validity
4.4	Quality Management System and its Processes		
4.4.1	Quality Management and its Processes	145.A.47	Production planning
		145.A.60	Occurrence reporting
		145.A.65	Safety and quality policy, maintenance procedures and quality system
		145.A.70	Maintenance organisation exposition
		145.A.90	Continued validity
4.4.2	Quality Management and its Processes	145.A.20	Terms of approval
		145.A.30	Personnel requirements
		145.A.35	Certifying staff and support staff
		145.A.36	Records of airworthiness review staff
		145.A.42	Components
		145.A.45	Maintenance data

		145.A.48	Performance of maintenance
		145.A.55	Maintenance and airworthiness review records
		145.A.65	Safety and quality policy, maintenance procedures and quality system
		145.A.70	Maintenance organisation exposition
		145.A.90	Continued validity
5.	LEADERSHIP		
5.1	Leadership and Commitment		
5.1.1	General	145.A.65	Safety and quality policy, maintenance procedures and quality system
		145.A.90	Continued validity
		145.A.95	Findings
5.1.2	Customer Focus	N/A	
5.2	Policy		
5.2.1	Establishing the Quality Policy	145.A.65	Safety and quality policy, maintenance procedures and quality system
		145.A.70	Maintenance organisation exposition
5.2.2	Communicating the Quality Policy	145.A.65	Safety and quality policy, maintenance procedures and quality system
		145.A.70	Maintenance organisation exposition
5.2.3	Understanding and Communicating the Safety Policy	145.A.65	Safety and quality policy, maintenance procedures and quality system
		145.A.70	Maintenance organisation exposition
5.3	Organizational Roles, Responsibilities, and Authorities	145.A.30	Personnel requirements
		145.A.35	Certifying staff and support staff
		145.A.36	Records of airworthiness review staff
		145.A.70	Maintenance organisation exposition
		145.A.85	Changes to the organisation

5.3.1	Accountable Manager	145.A.30	Personnel requirements
		145.A.70	Maintenance organisation exposition
		145.A.85	Changes to the organisation
5.3.2	Quality Manager	145.A.30	Personnel requirements
		145.A.65	Safety and quality policy, maintenance procedures and quality system
		145.A.70	Maintenance organisation exposition
		145.A.85	Changes to the organisation
5.3.3	Other Appointed Managers	145.A.30	Personnel requirements
		145.A.70	Maintenance organisation exposition
		145.A.85	Changes to the organisation
6.	PLANNING		
6.1	Actions to Address Risks and Opportunities		
6.1.1	Actions to Address Risks and Opportunities	N/A	
6.1.2	Actions to Address Risks and Opportunities	N/A	
6.2	Quality Objectives and Planning to Achieve Them		
6.2.1	Quality Objectives and Planning to Achieve Them	N/A	
6.2.2	Quality Objectives and Planning to Achieve Them	N/A	
6.3	Planning of Changes	145.A.70	Maintenance organisation exposition
		145.A.85	Changes to the organisation
7.	SUPPORT		
7.1	Resources		
7.1.1	General	145.A.30	Personnel requirements
		145.A.40	Equipment and tools
		145.A.47	Production planning
		145.A.70	Maintenance organisation exposition
		145.A.80	Limitations on the organisation

7.1.2	People	145.A.30	Personnel requirements
		145.A.35	Certifying staff and support staff
		145.A.70	Maintenance organisation exposition
7.1.3	Infrastructure	145.A.25	Facility requirements
		145.A.42	Components
7.1.4	Environment for the Operation of Processes	145.A.25	Facility requirements
		145.A.47	Production planning
		145.A.60	Occurrence reporting
7.1.5	Monitoring and Measuring Resources		
7.1.5.1	General	145.A.40	Equipment and tools
7.1.5.2	Measurement Traceability	145.A.40	Equipment and tools
7.1.6	Organizational Knowledge	N/A	
7.2	Competence	145.A.30	Personnel requirements
		145.A.35	Certifying staff and support staff
		145.A.36	Records of airworthiness review staff
		145.A.70	Maintenance organisation exposition
7.3	Awareness	145.A.30	Personnel requirements
7.4	Communication	145.A.15	Application
		145.A.30	Personnel requirements
		145.A.45	Maintenance data
		145.A.50	Certification of maintenance
		145.A.55	Maintenance and airworthiness review records
		145.A.60	Occurrence reporting
		145.A.65	Safety and quality policy, maintenance procedures and quality system
		145.A.70	Maintenance organisation exposition
		145.A.85	Changes to the organisation

		145.A.90	Continued validity
		145.A.95	Findings
7.5	Documented Information		
7.5.1	General	145.A.45	Maintenance data
		145.A.55	Maintenance and airworthiness review records
		145.A.65	Safety and quality policy, maintenance procedures and quality system
7.5.2	Creating and Updating	145.A.15	Application
		145.A.20	Terms of approval
		145.A.30	Personnel requirements
		145.A.35	Certifying staff and support staff
		145.A.36	Records of airworthiness review staff
		145.A.45	Maintenance data
		145.A.50	Certification of maintenance
		145.A.55	Maintenance and airworthiness review records
		145.A.60	Occurrence reporting
		145.A.65	Safety and quality policy, maintenance procedures and quality system
		145.A.70	Maintenance organisation exposition
		145.A.75	Privileges of the organisation
7.5.3	Control of Documented Information		
7.5.3.1	Control of Documented Information	145.A.35	Certifying staff and support staff
		145.A.45	Maintenance data
		145.A.55	Maintenance and airworthiness review records
7.5.3.2	Control of Documented Information	145.A.35	Certifying staff and support staff
		145.A.36	Records of airworthiness review staff
		145.A.45	Maintenance data
		145.A.55	Maintenance and airworthiness review records

		145.A.65	Safety and quality policy, maintenance procedures and quality system
		145.A.70	Maintenance organisation exposition
		145.A.90	Continued validity
8.	OPERATION		
8.1	Operation Planning and Control	145.A.30	Personnel requirements
		145.A.42	Components
		145.A.45	Maintenance data
		145.A.47	Production planning
		145.A.75	Privileges of the organisation
8.1.1	Operational Risk Management	N/A	
8.1.2	Configuration Management	145.A.42	Components
8.1.3	Product Safety	145.A.50	Certification of maintenance
		145.A.60	Occurrence reporting
8.1.4	Prevention of Counterfeit Parts	N/A	
8.1.5	Prevention of Suspected Unapproved Parts	N/A	
8.1.6	Installation of Approved Parts	145.A.42	Components
8.2	Requirements for Products and Services		
8.2.1	Customer Communication	145.A.50	Certification of maintenance
		145.A.65	Safety and quality policy, maintenance procedures and quality system
8.2.2	Determining the Requirements for Products and Services	145.A.45	Maintenance data
		145.A.65	Safety and quality policy, maintenance procedures and quality system
8.2.3	Review of the Requirements for Products and Services		
8.2.3.1	Review of the Requirements for Products and Services	145.A.50	Certification of maintenance
		145.A.65	Safety and quality policy, maintenance procedures and quality system

8.2.3.2	Review of the Requirements for Products and Services	N/A	
8.2.4	Changes to Requirements for Products and Services	145.A.45	Maintenance data
8.3	Design and Development of Products and Services		
8.3.1	General	145.A.75	Privileges of the organisation
8.3.2	Design and Development Planning	N/A	
8.3.3	Design and Development Inputs	N/A	
8.3.4	Design and Development Controls	N/A	
8.3.5	Design and Development Outputs	145.A.42	Components
8.3.6	Design and Development Changes	N/A	
8.4	Control of Externally Provided Processes, Products and Services		
8.4.1	General	145.A.42	Components
		145.A.70	Maintenance organisation exposition
		145.A.75	Privileges of the organisation
8.4.1.1	General	145.A.42	Components
		145.A.70	Maintenance organisation exposition
		145.A.75	Privileges of the organisation
8.4.2	Type and Extent of Control	145.A.42	Components
		145.A.75	Privileges of the organisation
8.4.3	Information for External Providers	145.A.42	Components
		145.A.75	Privileges of the organisation
8.5	Production and Service Provision		
8.5.1	Control of Production and Service Provision	145.A.25	Facility requirements
		145.A.30	Personnel requirements
		145.A.42	Components
		145.A.45	Maintenance data
		145.A.47	Production planning
		145.A.48	Performance of maintenance

		145.A.55	Maintenance and airworthiness review records
		145.A.75	Privileges of the organisation
8.5.1.1	Control of Equipment, Tools, and Software Programs	145.A.40	Equipment and tools
8.5.1.2	Validation and Control of Special Processes	145.A.30	Personnel requirements
8.5.1.3	Production Process Verification	N/A	
8.5.1.4	Evaluation of a New Capability	N/A	
8.5.2	Identification and Traceability	145.A.42	Components
		145.A.50	Certification of maintenance
		145.A.55	Maintenance and airworthiness review records
8.5.3	Property Belonging to Customers or External Providers	145.A.45	Maintenance data
8.5.4	Preservation	145.A.25	Facility requirements
		145.A.42	Components
8.5.5	Post-Delivery Activities	145.A.60	Occurrence reporting
8.5.6	Control of Changes	145.A.85	Changes to the organisation
8.6	Release of Products and Services	145.A.50	Certification of maintenance
		145.A.55	Maintenance and airworthiness review records
		145.A.75	Privileges of the organisation
8.7	Control of Nonconforming Outputs		
8.7.1	Control of Nonconforming Outputs	145.A.42	Components
		145.A.60	Occurrence reporting
8.7.2	Control of Nonconforming Outputs	145.A.42	Components
		145.A.60	Occurrence reporting

9.	PERFORMANCE EVALUATION		
9.1	Monitoring, Measurement, Analysis and Evaluation		
9.1.1	General	145.A.48	Performance of maintenance
		145.A.60	Occurrence reporting
9.1.2	Customer Satisfaction	N/A	
9.1.3	Analysis and Evaluation	145.A.48	Performance of maintenance
		145.A.60	Occurrence reporting
9.2	Internal Audit		
9.2.1	Internal Audit	145.A.65	Safety and quality policy, maintenance procedures and quality system
9.2.2	Internal Audit	145.A.65	Safety and quality policy, maintenance procedures and quality system
9.3	Management Review		
9.3.1	General	145.A.65	Safety and quality policy, maintenance procedures and quality system
9.3.2	Management Review Inputs	145.A.65	Safety and quality policy, maintenance procedures and quality system
9.3.3	Management Review Outputs	145.A.65	Safety and quality policy, maintenance procedures and quality system
10.	IMPROVEMENT		
10.1	General	145.A.60	Occurrence reporting
		145.A.95	Findings
10.2	Nonconformity and Corrective Action		
10.2.1	Nonconformity and Corrective Action	145.A.60	Occurrence reporting
		145.A.95	Findings
10.2.2	Nonconformity and Corrective Action	145.A.60	Occurrence reporting
		145.A.95	Findings
10.3	Continual Improvement	N/A	



Section 2 - Correlation of the 9110:2016 (Rev C) clauses to each of the EASA Part-145 Section A paragraphs

EASA Part 145:2014		9110:2016 (Rev C)	
Paragraph #	Paragraph Title	Clause #	Clause Title
GENERAL			
145.1	General	N/A	
SECTION A - TECHNICAL REQUIREMENTS			
145.A.10	Scope	N/A	
145.A.15	Application	4.2	Understanding the Needs and Expectations of Interested Parties
		7.4	Communication
		7.5.2	Creating and Updating
145.A.20	Terms of approval	4.3	Determining the Scope of the Quality Management System
		4.4.2	Quality Management and its Processes
		7.5.2	Creating and Updating
145.A.25	Facility requirements	7.1.3	Infrastructure
		7.1.4	Environment for the Operation of Processes
		8.5.1	Control of Production and Service Provision
		8.5.4	Preservation
145.A.30	Personnel requirements	4.2	Understanding the Needs and Expectations of Interested Parties
		4.4.2	Quality Management and its Processes
		5.3	Organizational Roles, Responsibilities, and Authorities
		5.3.1	Accountable Manager
		5.3.2	Quality Manager

		5.3.3	Other Appointed Managers
		7.1.1	General
		7.1.2	People
		7.2	Competence
		7.3	Awareness
		7.4	Communication
		7.5.2	Creating and Updating
		8.1	Operation Planning and Control
		8.5.1	Control of Production and Service Provision
		8.5.1.2	Validation and Control of Special Processes
145.A.35	Certifying staff and support staff	4.4.2	Quality Management and its Processes
		5.3	Organizational Roles, Responsibilities, and Authorities
		7.1.2	People
		7.2	Competence
		7.5.2	Creating and Updating
		7.5.3.1	Control of Documented Information
		7.5.3.2	Control of Documented Information
145.A.36	Records of airworthiness review staff	4.4.2	Quality Management and its Processes
		5.3	Organizational Roles, Responsibilities, and Authorities
		7.2	Competence
		7.5.2	Creating and Updating
		7.5.3.2	Control of Documented Information
145.A.40	Equipment and tools	7.1.1	General
		7.1.5.1	General
		7.1.5.2	Measurement Traceability
		8.5.1.1	Control of Equipment, Tools, and Software Programs

145.A.42	Components	4.2	Understanding the Needs and Expectations of Interested Parties
		4.4.2	Quality Management and its Processes
		7.1.3	Infrastructure
		8.1	Operation Planning and Control
		8.1.2	Configuration Management
		8.1.6	Installation of Approved Parts
		8.3.5	Design and Development Outputs
		8.4.1	General
		8.4.1.1	General
		8.4.2	Type and Extent of Control
		8.4.3	Information for External Providers
		8.5.1	Control of Production and Service Provision
		8.5.2	Identification and Traceability
		8.5.4	Preservation
		8.7.1	Control of Nonconforming Outputs
8.7.2	Control of Nonconforming Outputs		
145.A.45	Maintenance data	4.2	Understanding the Needs and Expectations of Interested Parties
		4.4.2	Quality Management and its Processes
		7.4	Communication
		7.5.1	General
		7.5.2	Creating and Updating
		7.5.3.1	Control of Documented Information
		7.5.3.2	Control of Documented Information
		8.1	Operation Planning and Control
		8.2.2	Determining the Requirements for Products and Services
8.2.4	Changes to Requirements for Products and Services		

		8.5.1	Control of Production and Service Provision
		8.5.3	Property Belonging to Customers or External Providers
145.A.47	Production planning	4.4.1	Quality Management and its Processes
		7.1.1	General
		7.1.4	Environment for the Operation of Processes
		8.1	Operation Planning and Control
		8.5.1	Control of Production and Service Provision
		8.5.1	Control of Production and Service Provision
145.A.48	Performance of maintenance	4.4.2	Quality Management and its Processes
		8.5.1	Control of Production and Service Provision
		9.1.1	General
		9.1.3	Analysis and Evaluation
145.A.50	Certification of maintenance	7.4	Communication
		7.5.2	Creating and Updating
		8.1.3	Product Safety
		8.2.1	Customer Communication
		8.2.3.1	Review of the Requirements for Products and Services
		8.5.2	Identification and Traceability
145.A.55	Maintenance and airworthiness review records	8.6	Release of Products and Services
		4.4.2	Quality Management and its Processes
		7.4	Communication
		7.5.1	General
		7.5.2	Creating and Updating
		7.5.3.1	Control of Documented Information
		7.5.3.2	Control of Documented Information
		8.5.1	Control of Production and Service Provision
		8.5.2	Identification and Traceability
8.6	Release of Products and Services		

145.A.60	Occurrence reporting	4.2	Understanding the Needs and Expectations of Interested Parties
		4.4.1	Quality Management and its Processes
		7.1.4	Environment for the Operation of Processes
		7.4	Communication
		7.5.2	Creating and Updating
		8.1.3	Product Safety
		8.5.5	Post-Delivery Activities
		8.7.1	Control of Nonconforming Outputs
		8.7.2	Control of Nonconforming Outputs
		9.1.1	General
		9.1.3	Analysis and Evaluation
		10.1	General
		10.2.1	Nonconformity and Corrective Action
		10.2.2	Nonconformity and Corrective Action
145.A.65	Safety and quality policy, maintenance procedures and quality system	4.2	Understanding the Needs and Expectations of Interested Parties
		4.4.1	Quality Management and its Processes
		4.4.2	Quality Management and its Processes
		5.1.1	General
		5.2.1	Establishing the Quality Policy
		5.2.2	Communicating the Quality Policy
		5.2.3	Understanding and Communicating the Safety Policy
		5.3.2	Quality Manager
		7.4	Communication
		7.5.1	General
		7.5.2	Creating and Updating
		7.5.3.2	Control of Documented Information

		8.2.1	Customer Communication
		8.2.2	Determining the Requirements for Products and Services
		8.2.3.1	Review of the Requirements for Products and Services
		9.2.1	Internal Audit
		9.2.2	Internal Audit
		9.3.1	General
		9.3.2	Management Review Inputs
		9.3.3	Management Review Outputs
145.A.70	Maintenance organisation exposition	4.2	Understanding the Needs and Expectations of Interested Parties
		4.3	Determining the Scope of the Quality Management System
		4.4.1	Quality Management and its Processes
		4.4.2	Quality Management and its Processes
		5.2.1	Establishing the Quality Policy
		5.2.2	Communicating the Quality Policy
		5.2.3	Understanding and Communicating the Safety Policy
		5.3	Organizational Roles, Responsibilities, and Authorities
		5.3.1	Accountable Manager
		5.3.2	Quality Manager
		5.3.3	Other Appointed Managers
		6.3	Planning of Changes
		7.1.1	General
		7.1.2	People
		7.2	Competence
		7.4	Communication
		7.5.2	Creating and Updating
		7.5.3.2	Control of Documented Information

		8.4.1	General
		8.4.1.1	General
145.A.75	Privileges of the organisation	4.2	Understanding the Needs and Expectations of Interested Parties
		4.3	Determining the Scope of the Quality Management System
		7.5.2	Creating and Updating
		8.1	Operation Planning and Control
		8.3.1	General
		8.4.1	General
		8.4.1.1	General
		8.4.2	Type and Extent of Control
		8.4.3	Information for External Providers
		8.5.1	Control of Production and Service Provision
		8.6	Release of Products and Services
145.A.80	Limitations on the organisation	4.2	Understanding the Needs and Expectations of Interested Parties
		4.3	Determining the Scope of the Quality Management System
		7.1.1	General
145.A.85	Changes to the organisation	4.2	Understanding the Needs and Expectations of Interested Parties
		4.3	Determining the Scope of the Quality Management System
		5.3	Organizational Roles, Responsibilities, and Authorities
		5.3.1	Accountable Manager
		5.3.2	Quality Manager
		5.3.3	Other Appointed Managers
		6.3	Planning of Changes
		7.4	Communication
8.5.6	Control of Changes		



145.A.90	Continued validity	4.2	Understanding the Needs and Expectations of Interested Parties
		4.3	Determining the Scope of the Quality Management System
		4.4.1	Quality Management and its Processes
		4.4.2	Quality Management and its Processes
		5.1.1	General
		7.4	Communication
		7.5.3.2	Control of Documented Information
145.A.95	Findings	4.2	Understanding the Needs and Expectations of Interested Parties
		5.1.1	General
		7.4	Communication
		10.1	General
		10.2.1	Nonconformity and Corrective Action
		10.2.2	Nonconformity and Corrective Action

Change Control

Revision	Detail	Date
1.0	Initial issue as part of 9110:2016 (Rev C) Deployment Support Material	Dec 8 th 2019
1.1	Update to the document introduction	Dec 12 th 2019
1.2	Update to include the registered IAQG logo	Jan 20 th 2020
1.3	Update to correct the title for 145.A.70 and include additional references relating to Roles & Responsibilities, Documented Information, Identification & Traceability and Corrective Action.	Apr 9 th 2020