



# AEROSPACE STANDARD

**SAE** AS9111

Issued 2005-02

Aerospace Series  
Quality Management System  
Assessment for Maintenance Organizations  
(Based on ISO 9001:2000)

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## PURPOSE

The purpose of this document is to define the content and the presentation of the Assessment Report of AS9110.

## QUALITY SYSTEM ASSESSMENT REPORT CONTENT

The Assessment Report is made up of:

- Page 4 (*required*)  
**General Assessment Information**
- Page 5 (*required*)  
**Assessment Conclusions**
- Page 6 (*optional*)  
**General Organization Information**
- Page 7 (*required*)  
**Assessment Result Summary**
- Page 8 (*required*)  
**Quality System Scoring**
- Page 9  
**Corrective Action Request (when required)**
- Page 10  
**List of Observations/Comments**
- **Appendix A**  
**MAINTENANCE ORGANIZATION - Quality System Questionnaire relative to AS9110**
- **Appendix B**  
**Documents regarding the company:**
  - Organization charts
  - Copies of agreements and certifications

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**ASSESSMENT CONCLUSIONS**

**General comments about the organization and the quality system of the assessed organization:**

**Strong points:**

**Improvement Opportunities:**

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### GENERAL ORGANIZATION INFORMATION

#### 1 Legal and Financial Aspects

Date of Formation:

Legal Status:

Capital:

Other Data:

	Third Prior Financial Year ( )	Second Prior Financial Year ( )	First Prior Financial Year ( )	Current Financial Year ( )
<b>Sales</b>				
<b>Earnings</b>				
<b>Earnings used for Re- Investment</b>				
<b>Workforce</b>				

#### 2 Turnover breakdown and main Customers

Activities	Main Customers	Sales Percentage
<b>Aircraft, Space and Defense Industry</b>		
<b>Other Activity (be specific)</b>		

#### 3 Clearances or Approvals granted by Authorities

Name of the Authority	Types and References	End of Validity (date)

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<b>ASSESSMENT RESULT SUMMARY</b>					
<b>Organization:</b>					
Elements* (AS 9110)	Result				Observation / Corrective Action Request Number (Ma/mi)
	S	Ma	mi	N/A	
<b>4 - Quality Management System</b>					
4.1 General requirements					
4.2 Documentation requirements					
4.3 Configuration Management					
<b>5 - Management responsibility</b>					
5.1 Management commitment					
5.2 Customer focus					
5.3 Quality policy					
5.4 Planning					
5.5 Responsibility, authority and communication					
5.6 Management review					
<b>6 - Resource management</b>					
6.1 Provision of resources					
6.2 Human resources					
6.3 Infrastructure					
6.4 Work environment					
<b>7 - Product realization</b>					
7.1 Planning of product realization					
7.2 Customer-related processes					
7.3 Design and development					
7.4 Purchasing					
7.5 Production and service provision					
7.6 Control of monitoring and measuring devices					
<b>8 - Measurement, analysis and improvement</b>					
8.1 General					
8.2 Monitoring and measurement					
8.3 Control of nonconforming product					
8.4 Analysis of data					
8.5 Improvement					
Assessed Organization:					Assessing Company:
Rep's name:	<b>Results</b>				Lead Assessor Name:
Signature:					Signature:

**\*For each element, note results of assessment: "S" for Satisfactory, "Ma" for major corrective action, "mi" for Minor or "N/A" for non applicable**

ASSESSMENT SCORING						(Member logo)	
Organization:			Result				
	SCORING CHART	Major CAR or Minor CAR on key requirement		Minor CAR on <u>non</u> key requirement		NO CAR	RESULT
		Multiple findings	Single finding	Multiple findings	Single finding		
<b>4</b>	<b>Quality management system</b>						
4.1	General requirements	0	10	25	40	50	
4.2 & 4.3	Documentation requirements & Configuration management	0	10	25	40	50	
<b>5</b>	<b>Management responsibility</b>						
5.1	Management commitment						
5.2	Customer focus	0	5	15	20	30	
5.3	Quality policy						
5.4	Planning	0	10	20	30	40	
5.5	Responsibility, authority and communication	0	5	15	20	30	
5.6	Management review	0	10	25	40	50	
<b>6</b>	<b>Resource Management</b>						
6.1	Provision of resources	0	10	25	40	50	
6.2	Human resources						
6.3	Infrastructure	0	10	25	40	50	
6.4	Work environment						
<b>7</b>	<b>Product realization</b>						
7.1	Planning of product realization	0	5	15	20	30	
7.2	Customer related processes	0	10	30	50	60	
7.3	Design and development						
7.3.1	D&D Planning	0	5	15	20	30	
7.3.2-3-4	Inputs, outputs & review	0	5	15	20	30	
7.3.5-6	D&D verification & validation	0	5	15	20	30	
7.3.7	Control of design and development changes	0	5	15	20	30	
7.4	Purchasing	0	10	30	50	60	
7.5	Product and service provision						
7.5.1	Control of production and service provision	0	10	25	40	50	
7.5.2	Validation of processes for production and service provision	0	10	20	30	40	
7.5.3	Identification and traceability	0	10	20	30	40	
7.5.4-5	Customer property & preservation of product	0	5	15	20	30	
7.6	Control of monitoring and measuring device	0	5	10	15	20	
<b>8</b>	<b>Measurement analysis and improvement</b>						
8.1	General	0	5	10	15	20	
8.2	Monitoring and measurement						
8.2.1	Customer satisfaction	0	5	10	15	20	
8.2.2	Internal audit	0	5	15	20	30	
8.2.3	Monitoring and measurement of processes	0	5	15	20	30	
8.2.4	Monitoring and measurement of product	0	5	15	20	30	
8.3	Control of nonconforming product	0	5	15	20	30	
8.4	Analysis of Data	0	5	10	15	20	
8.5	Improvement	0	5	10	15	20	
						Total Points Possible	
						Total Points Achieved	
						Score (pts achieved/pts possible x 100)	

The assessed Organization agrees on the Quality System scoring and Corrective Action requests

Organization Representative:	Signature:	Date:

<b>CORRECTIVE ACTION REQUEST (C.A.R.)</b>			<i>Assessing company logo</i>
Organization:		Identification C.A.R. No.:	
Site:		Date issued:	
Reference Standard:		Reference Standard Element:	
Criticality Ma / mi	Nonconformance Description		
Assessor Name:		Assessor Signature:	
Assessed Organization to complete the Corrective Action Request with root cause analysis, corrective action and planned completion date of corrective action, and return to the assessing Company by due date.			Due date:
Action No.:	Root Cause:		
Action No.:	Corrective Action:		Planned completion date of Corrective Action:
Organization Representative Name:		Signature:	Current date:
<b>Verification of the implementation of the completed Corrective Action by the Assessed Organization</b>			
Organization Representative Name:		Signature:	Current date:
<b>Verification of the implementation of the completed Corrective Action to be filled out by the Assessing Company</b>			
Verification date:	Accepted: Yes <input type="checkbox"/> No <input type="checkbox"/>	Assessor Name:	Assessor Signature:

<b>List of Observations/Comments</b>		<i>Assessing company logo</i>
Organization:		Audit report number:
Site:		Issued date:

Item Number	Section	Description
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Lead Assessor Name:	Signature:
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**APPENDIX A  
AS 9111**

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**MAINTENANCE ORGANIZATIONS**

**QUALITY SYSTEM  
QUESTIONNAIRE**

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**1 PURPOSE**

This document provides a standardized list of audit questions and method of scoring results when conducting assessments of Organizations with an AS9110 quality system.

**2 USE OF THE QUESTIONNAIRE**

The use of this questionnaire is mandatory and will be a part of the Assessment Report.

The questionnaire is based on the AS9110 standard, which includes:

- ISO 9001:2000 requirements
- **Additional Aerospace specific requirements (shown in bold and italics).**

The audit is undertaken by review against the requirements of the AS9110 standard, and the findings are recorded by annotation of the appropriate columns:

- Satisfactory (S)
- Not applicable (N/A) - the reason shall be documented at the bottom of the page
- Not evaluated (N/E)
- Corrective Action Request (CAR) Major (Ma) or Minor (mi) finding:

The CAR number shall be referenced in the column "CAR Number".

The category Ma for Major CAR or mi for Minor CAR shall also be included in this column.

**Additional information on questionnaire**

**Key requirements:** Requirements deemed to be significant are identified by the presence of 'P' or 'M' against the specific section or question of the questionnaire,

"P" indicates a direct link with product

"M" indicates a direct link with Management

The extent of the key requirement applicability is determined by the location of the 'M' or 'P'. In the example below all of question 12 is identified as a key requirement.

12 Does the output from the management review include any decisions and actions related to:	M				
a) improvement of the effectiveness of the quality management system and its processes?					
b) improvement of product related to customer requirements? and					
c) resource needs?					

In the second example below only part d) of question 01) is identified as a key requirement.

08 In planning product realization, does the organization determine the following, as appropriate:					
a) quality objectives and requirements for the product?					
b) the need to establish processes, documents, and provide resources specific to the product?					
c) required verification, validation, monitoring, inspection and test activities specific to the product and the criteria for product acceptance?					
d) records needed to provide evidence that the realization processes and resulting product meet requirements (see 4.2.4)?	P				
e) <b><i>the identification of resources to support operation and maintenance of the product?</i></b>					

**Guidance notes:** Some questions have a numeric reference following the question that refers to additional guidance material provided in the ‘Guidance notes’ section located after the questions on each page. The guidance notes provide the Auditor with further insight on the type of objective evidence or review that is expected. In the example below, note (1) refers the auditor to additional notes pertaining to question 1 part a).

01 Does the analysis of data provide information relating to: a) customer satisfaction (see 8.2.1)? (1) b) conformity to product requirements (see 7.2.1)? c) characteristics and trends of processes and products including opportunities for preventive action? And d) organizations?					
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**Guidance Note**  
 1) Give examples and check how the organization measures the effectiveness.

**References:**

When a reference (e.g. 4.1) is added to a question, it indicates a link to the referenced chapter of the 9110 standard.

**Objective evidence assessed / Observations / Comments / N/A explanation**

Record the objective evidence reviewed during the assessment or the reason it is not applicable.

**Non-conformities:**

Major: The absence of, or total breakdown of a management element specified in the 9110 standard or any non-conformance with a procedure relating to the 9110 standard.

Minor: A single system failure or lapse in conformance with a procedure relating to the 9110 standard

**Note:** A number of minor nonconformances against one requirement can represent a total breakdown of the system and thus be considered a major non-conformance.

### 3 USE OF THE ASSESSMENT SCORING CHART

The findings of each section and sub-section are reviewed and the Assessment Scoring sheet completed as follows.

- If there are multiple findings (i.e. greater than 1) with a Major (Ma) Corrective Action Request (CAR) or a Minor (mi) CAR on a key requirement in a section, (e.g. 4.1 General Requirements) then score a Major CAR or a Minor CAR on a key requirement (i.e. any questions with ‘M’ or ‘P’ indicator) in the “Multiple findings” column (result = 0), or
- If there is a single finding with a Major (Ma) CAR or a Minor (mi) CAR on a key requirement in a section, (e.g. 4.1 General Requirements) then score a Major CAR or a Minor CAR on a key requirement in the “Single finding” column (result = 10), or
- If there are multiple findings (i.e. greater than 1) with Minor (mi) CAR on a non key requirement in a section, (e.g. 4.1 General Requirements) then score a Minor CAR on non key requirement in the “Multiple findings” column (result = 25), or
- If there is a single finding with a Minor (mi) CAR on a non key requirement in a section, (e.g. 4.1 General Requirements) then score a Minor CAR on non key requirement in the “Single findings” column (result = 40), or
- If there is no CAR in a section, (e.g. 4.1 General Requirements) then score in the “NO CAR” column (result = 50).
- When a single finding occurs on several questions affecting the same section of the scoring table (e.g. 4.2 and 4.3 or 5.1-5.2-5.3), then score it as “multiple findings”.

**Further notes on scoring**

The above review criteria should be considered sequentially.

The Maximum audit total is **1000** when the audit review comprises the whole Quality System Questionnaire.

The maximum audit total is **880** when the audit review comprises the Quality System Questionnaire less 7.3 (Design and Development).

If a complete section or line of the score sheet has not been assessed (N/A or N/E) then the score for that line or section will be subtracted from the maximum audit total.

The score will be calculated as follows:

$$\text{Score} = \frac{\text{TOTAL X 100}}{\text{Sum of maximum possible score}}$$

The higher the score, the greater the level of compliance acknowledged by the audit activity.

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## Annex A Summary

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## QUALITY SYSTEM QUESTIONNAIRE

ASSESSMENT QUESTIONS	KEY Requirements	S	CAR Number Ma or mi	N/A	N/E
----------------------	------------------	---	------------------------	-----	-----

### 4 Quality management system

#### 4.1 General requirements

01 Has the organization established, documented, implemented and maintained a quality management system and provided for the continuous improvement of its effectiveness in accordance with the requirements of this International Standard?					
02 <b>Has the organization obtained and maintained the required quality management system approvals and any other approvals certificates, ratings, licenses and permits required by the responsible Authority? (1)</b>	M				
03 Does the organization: <ul style="list-style-type: none"> <li>a) identify the processes needed for the quality management system and their application throughout the organization? (2)</li> <li>b) determine the sequence and interaction of these processes? (2)</li> <li>c) determine criteria and methods needed to ensure that both the operation and control of these processes are effective?</li> <li>d) ensure the availability of resources and information necessary to support the operation and monitoring of these processes?</li> <li>e) monitor, measure and analyze these processes? and</li> <li>f) implement actions necessary to achieve planned results and continual improvement of these processes?</li> </ul>					
04 Are these processes managed by the organization in accordance with the requirements of this International Standard?					
05 Where an organization chooses to outsource any process that affects product conformity with requirements, does the organization ensure control over such processes?	P				
06 Is the control of such outsourced processes identified within the quality management system?					

Note: Processes needed for the quality management system referred to above should include processes for management, provision, product realization and measurement.

#### Guidance Note

- 1) Copies of valid approvals and associated ratings
- 2) Main processes formally identified

#### Objective evidence assessed / Observations / Comments / N/A explanation

**S** : Satisfactory - **CAR** : Corrective action required – **MA** : Major corrective action – **mi** : Minor corrective action  
**N/A** : Not applicable - **N/E**: Not evaluated - **P** : Product - **M** : Management

QUALITY SYSTEM QUESTIONNAIRE					
ASSESSMENT QUESTIONS	KEY Requirements	S	CAR Number Ma or mi	N/A	N/E

**4.2 Documentation requirements**

**4.2.1 General**

<p>07 Does the quality management system documentation include :</p> <p>a) documented statements of a quality policy and quality objectives? (1)</p> <p>b) a quality manual?</p> <p>c) documented procedures required by this International Standard?</p> <p>d) documents needed by the organization to ensure the effective planning, operation and control of its processes?</p> <p>e) records required by this International Standard (see 4.2.4)? and</p> <p>f) <b>quality system requirements imposed by the applicable Authorities, as well as the standards to which the organization intends to work?</b></p>					
<p>08 Does the organization ensure that personnel have access to quality management system documentation and are aware of relevant procedures? (2)</p>					
<p>09 Do Customer and/or Authorities representatives have access to quality management system documentation? (3)</p>					

**Guidance Note**

- 1) Yearly objectives (current and previous year)
- 2) Identify the method of notification
- 3) Customer and regulatory Authority audit reports

Objective evidence assessed / Observations / Comments/ N/A explanation
<p style="text-align: center; color: red; font-size: 2em; opacity: 0.5;">SAENORM.COM : Click to view the full PDF of as9111</p>

**QUALITY SYSTEM QUESTIONNAIRE**

ASSESSMENT QUESTIONS	KEY Requirements	S	CAR Number Ma or mi	N/A	N/E
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**4.2.2 Quality manual**

<p>10 Has the organization established and maintained a quality manual that includes: (1)</p> <p>a) the scope of the quality management system, including details of, and justification for, any exclusions (See 1.2)?</p> <p>b) the documented procedures established for the quality management system, or reference to them? (2)</p> <p>c) <b>when referencing the documented procedures, is the relationship between the requirements of this International Standard and the documented procedures clearly shown? (3)</b></p> <p>d) a description of the interaction between the processes of the quality management system?</p>					
--	--	--	--	--	--

**4.2.3 Control of documents**

<p>11 Are the documents required by the quality management system controlled?</p>	M				
<p>12 Are records controlled according to the requirements given in 4.2.4?</p>					
<p>13 Has a documented procedure been established to define the controls needed to: (4)</p> <p>a) approve documents for adequacy prior to issue?</p> <p>b) review and update as necessary and re-approve documents?</p> <p>c) ensure that changes and the current revision status of documents are identified?</p> <p>d) ensure that relevant versions of applicable documents are available at points of use?</p> <p>e) ensure that documents remain legible and readily identifiable?</p> <p>f) ensure that documents of external origin are identified and their distribution controlled? And</p> <p>g) prevent the unintended use of obsolete documents, and to apply suitable identification to them if they are retained for any purpose?</p>					
<p>14 <b>Does the organization coordinate document changes with customers and/or Authorities in accordance with contract or regulatory requirements? (5)</b></p>	P				

<p><b>Guidance Note</b></p> <p>1) Quality manual reference and/or maintenance exposition manual and their issue</p> <p>2) Check the procedure list and documented procedure for maintenance activities</p> <p>3) International standard used as reference</p> <p>4) Examined procedures and applications for</p> <ul style="list-style-type: none"> <li>- Customer documents</li> <li>- Authorities</li> <li>- Manufacturer/OEM</li> <li>- Maintenance organization issued procedures,</li> </ul> <p>5) Check latest or applicable version used by supplier for maintenance data</p>
--

<p><b>Objective evidence assessed / Observations / Comments/ N/A explanation</b></p>
--

## QUALITY SYSTEM QUESTIONNAIRE

ASSESSMENT QUESTIONS	KEY Requirements	S	CAR Number Ma or mi	N/A	N/E
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### 4.2.4 Control of records

15 Are records established and maintained to provide evidence of conformity to requirements and of the effective operation of the quality management system?					
16 Do records remain legible, readily identifiable and retrievable? (1)					
17 Has a documented procedure been established to define the controls needed for the identification, storage, protection, retrieval, retention time and disposition of records? (2)					
18 <i>Does the documented procedure define the method for controlling records that are created by and/or retained by suppliers?</i> (3)					
19 <i>Are records available for review by customers and Authorities in accordance with contract or regulatory requirements?</i>					

### 4.3 Configuration Management

20 <i>Has the organization established, documented and maintained a configuration management process appropriate to the product?</i>	P				
--	---	--	--	--	--

#### Guidance Note

- 1) List records reviewed and check the back-up procedures when records are stored in electronic form
- 2) Provide a list of examined procedures
- 3) Examine examples related to the maintenance activities

**Objective evidence assessed / Observations / Comments/ N/A explanation**

QUALITY SYSTEM QUESTIONNAIRE					
ASSESSMENT QUESTIONS	KEY Requirements	S	CAR Number Ma or mi	N/A	N/E

**5 Management responsibility**

**5.1 Management commitment**

01	Has Top management provided evidence of its commitment to the development and implementation of the quality management system and continually improving its effectiveness by: (1)	M			
	a) communicating to the organization the importance of meeting customer as well as statutory and regulatory requirements? b) establishing the quality policy? c) ensuring that quality objectives are established? d) conducting management reviews? and e) ensuring the availability of resources?				

**5.2 Customer focus**

02	Has Top management ensured that customer requirements are determined and are met with the aim of enhancing customer satisfaction (see 7.2.1 and 8.2.1)?				
----	---	--	--	--	--

**5.3 Quality policy**

03	Has Top management ensured that the quality policy:				
	a) is appropriate to the purpose of the organization? b) includes a commitment to comply with requirements and continually improve the effectiveness of the quality management system? c) provides a framework for establishing and reviewing quality objectives? d) is communicated and understood within the organization? (2) and e) is reviewed for continuing suitability?				

**Guidance Note**

- 1) Evidence of management commitment
- 2) Identify and record method of communication

**Objective evidence assessed / Observations / Comments/ N/A explanation**

QUALITY SYSTEM QUESTIONNAIRE					
ASSESSMENT QUESTIONS	KEY Requirements	S	CAR Number Ma or mi	N/A	N/E

**5.4 Planning**

**5.4.1 Quality objectives**

04	Has Top management ensured that quality objectives, including those needed to meet requirements for product [see 7.1a], are established at relevant functions and levels within the organization? (1)				
05	Are the quality objectives measurable and consistent with the quality policy?	M			

**5.4.2 Quality management system planning**

06	Has Top management ensured that: a) the planning of the quality management system is carried out in order to meet the requirements (see in 4.1), as well as the quality objectives? and b) the integrity of the quality management system is maintained when changes to the quality management system are planned and implemented?				
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**Guidance Note**  
1) Review objectives and status of their implementation

**Objective evidence assessed / Observations / Comments/ N/A explanation**

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<b>QUALITY SYSTEM QUESTIONNAIRE</b>					
<b>ASSESSMENT QUESTIONS</b>	<b>KEY</b> Requirements	<b>S</b>	<b>CAR</b> Number Ma or mi	<b>N/A</b>	<b>N/E</b>

**5.5 Responsibility, authority and communication****5.5.1 Responsibility and authority**

07 Has Top management ensured that the responsibilities and authorities are defined and communicated within the organization? (1)					
---	--	--	--	--	--

**5.5.1.1 Accountable executive Manager**

08 <i>Has top management appointed a manager with corporate authority to ensure that all ordered maintenance can be financed, the necessary resources obtained, and all ordered maintenance completed in accordance with all organization, customer and Authority requirements? (2)</i>					
---	--	--	--	--	--

**5.5.1.2 Maintenance Manager**

09 <i>Has top management appointed a manager responsible for assuring that all maintenance required is carried out in accordance with all organization, customer and Authority requirements? (2)</i>					
--	--	--	--	--	--

**5.5.2 Management representative**

10 Has Top management appointed a member of management who, irrespective of other responsibilities, has responsibility and authority that includes: <ul style="list-style-type: none"> <li>a) ensuring that processes needed for the quality management system are established, implemented and maintained?</li> <li>b) reporting to top management on the performance of the quality management system and any need for improvement?</li> <li>c) ensuring the promotion of awareness of customer requirements throughout the organization? and</li> <li>d) <i>the organizational freedom to resolve matters pertaining to quality?</i></li> </ul>	M				
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**5.5.3 Internal communication**

11 Has Top management ensured that appropriate communication processes are established within the organization and that communication takes place regarding the effectiveness of the quality management system?					
---	--	--	--	--	--

**Guidance Note**

- 1) Identify and records method of communication within the organization
- 2) Identify in the organization the Accountable executive manager and the Maintenance manager

**Objective evidence assessed / Observations / Comments/ N/A explanation**

QUALITY SYSTEM QUESTIONNAIRE					
ASSESSMENT QUESTIONS	KEY Requirements	S	CAR Number Ma or mi	N/A	N/E

**5.6 Management review**

**5.6.1 General**

12	Has Top management reviewed the organization's quality management system, at planned intervals, to ensure its continuing suitability, adequacy and effectiveness (1)?				
13	Does this review include assessing opportunities for improvement and the need for changes to the quality management system, including the quality policy and quality objectives?				
14	Are records from management reviews maintained (see 4.2.4)?				

**5.6.2 Review input**

15	Does the input to management review include information on: (2) a) results of audits? b) customer feedback? c) process performance and product conformity? d) status of preventive and corrective actions? e) follow-up actions from previous management reviews? f) changes that could affect the quality management system? and g) recommendations for improvement? h) <b>results of audits and requests for corrective action from Authorities?</b>	M				
----	--	---	--	--	--	--

**5.6.3 Review output**

16	Does the output from the management review include any decisions and actions related to: (2) a) improvement of the effectiveness of the quality management system and its processes? b) improvement of product related to customer requirements? and c) resource needs?	M				
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<p><b>Guidance Note</b></p> <p>1) Records management review frequency and attendees</p> <p>2) Verify the availability of input / output data such as statistical data, graphics, summary tables, reports, etc. for items a) to h)</p>
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<p><b>Objective evidence assessed / Observations / Comments/ N/A explanation</b></p>
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**QUALITY SYSTEM QUESTIONNAIRE**

ASSESSMENT QUESTIONS	KEY Requirements	S	CAR Number Ma or mi	N/A	N/E
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**6 Resource management**

**6.1 Provision of resources**

01 Has the organization determined and provided the resources needed: a) to implement and maintain the quality management system and continually improve its effectiveness? and b) to enhance customer satisfaction by meeting customer requirements?					
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**6.2 Human resources**

**6.2.1 General**

02 Are personnel performing work affecting product quality competent on the basis of appropriate education, training, skills and experience? (1)  03 <b>Are non-certificated personnel assessed on their ability to carry out maintenance operations prior to performing the work?</b>					
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**6.2.2 Competence, awareness and training**

04 Does the organization: a) determine the necessary competence for personnel performing work affecting product quality? (2) b) provide training or take other actions to satisfy these needs? c) evaluate the effectiveness of the actions taken? d) ensure that its personnel are aware of the relevance and importance of their activities and how they contribute to the achievement of the quality objectives? e) maintain appropriate records of education, training, skills and experience (see 4.2.4)? (3) f) <b>ensure that personnel performing maintenance release of aircraft and aircraft component are qualified and certified in accordance with Authority requirements?</b> g) <b>establish a continuation training program to ensure that personnel performing specific tasks remain current in terms of procedures, human factors and technical knowledge? and.</b> h) <b>ensure that continuation training is provided that covers changes in relevant regulatory requirements, the organization's procedures, and the maintenance standards of the products being maintained?</b>					
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<p><b>Guidance Note</b></p> 1) Review training Records and Plan (status of the current year and of the previous year) 2) Give examples of methods used to determine competence (e.g. competence matrix, multi-skill) 3) Review training certificates for the certified personnel and training records (internal and external training courses, OJT)
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<p><b>Objective evidence assessed / Observations / Comments/ N/A explanation</b></p>
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QUALITY SYSTEM QUESTIONNAIRE					
ASSESSMENT QUESTIONS	KEY Requirements	S	CAR Number Ma or mi	N/A	N/E

**6.3 Infrastructure**

<p>05 Does the organization determine, provide and maintain the infrastructure needed to achieve conformity to product requirements? Infrastructure includes, as applicable:</p> <ul style="list-style-type: none"> <li>a) buildings, workspace and associated utilities?</li> <li>b) process equipment (both hardware and software)? And</li> <li>c) supporting services (such as transport or communication)?</li> </ul>					
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**6.4 Work environment**

<p>06 Does the organization determine and manage the work environment needed to achieve conformity to product requirements? (1)</p>	P				
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<p><b>Guidance Note</b> 1) Provide examples</p>
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<p><b>Objective evidence assessed / Observations / Comments/ N/A explanation</b></p>
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## QUALITY SYSTEM QUESTIONNAIRE

### ASSESSMENT QUESTIONS

KEY  
Requirements

S

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Number  
Ma or mi

N/A

N/E

## 7 Product realization

### 7.1 Planning of product realization

01	Does the organization plan and develop the processes needed for product realization (see 4.1)?	P				
02	Is planning of product realization consistent with the requirements of the other processes of the quality management system (see 4.1)?					
03	In planning product realization, does the organization determine the following, as appropriate: a) quality objectives and requirements for the product? b) the need to establish processes, documents, and provide resources specific to the product? c) required verification, validation, monitoring, inspection and test activities specific to the product and the criteria for product acceptance? d) records needed to provide evidence that the realization processes and resulting product meet requirements (see 4.2.4)? e) <b>the identification of resources to support operation and maintenance of the product?</b>	P				
04	Is the output of this planning in a form suitable for the organization's method of operations?					

### 7.2 Customer-related processes

#### 7.2.1 Determination of requirements related to the product

05	Does the organization determine: a) requirements specified by the customer, including the requirements for delivery and post-delivery activities? (1) b) requirements not stated by the customer but necessary for specified or intended use, where known? c) statutory and regulatory requirements related to the product? And d) any additional requirements determined by the organization?	M				
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#### Guidance Note

- 1) Verify the following requirements for various customer orders and contracts:
  - scope of work subject to the maintenance contract
  - approved maintenance data to be used for carrying out the maintenance
  - the kind of delivery documentation to be provided
  - the record keeping system and the retention times
  - the conditions under which the organization may subcontract tasks to approved and unapproved subcontractors
  - a provision allowing the customer, and if applicable, the regulatory authority, to perform surveillance over the organization

#### Objective evidence assessed / Observations / Comment/ N/A explanation

QUALITY SYSTEM QUESTIONNAIRE					
ASSESSMENT QUESTIONS	KEY Requirements	S	CAR Number Ma or mi	N/A	N/E

### 7.2.2 Review of requirements related to the product

06	Does the organization review the requirements related to the product?				
07	Is the review conducted prior to the organization's commitment to supply a product to the customer (e.g. submission of tenders, acceptance of contracts or orders, acceptance of changes to contracts or orders) and does it ensure that: (1) a) product requirements are defined? b) contract or order requirements differing from those previously expressed are resolved? c) the organization has the ability to meet the defined requirements? <b>d) risks (e.g., new technology, short delivery time scale) have been evaluated? and</b> <b>e) that maintenance contracts include the scope of work, define the data and delivery requirements, and define the requirements regarding subcontracting of the work?</b>	P			
08	Are records of the results of the review and actions arising from the review maintained (see 4.2.4)? (2)				
09	Where the customer provides no documented statement of requirement, are the customer requirements confirmed by the organization before acceptance?				
10	Where product requirements are changed, does the organization ensure that relevant documents are amended and that relevant personnel are made aware of the changed requirements?	P			
11	<b>Do contract amendment processes include provisions for disposition of out-of scope defects discovered during maintenance?</b>				

### 7.2.3 Customer communication

12	Does the organization determine and implement effective arrangements for communicating with customers in relation to: a) product information? b) enquiries, contracts or order handling, including amendments? and c) customer feedback, including customer complaints?				
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#### Guidance Note

- 1) Check that all affected functions are involved in the review
- 2) Give examples

#### Objective evidence assessed / Observations / Comments/ N/A explanation

## QUALITY SYSTEM QUESTIONNAIRE

ASSESSMENT QUESTIONS	KEY Requirements	S	CAR Number Ma or mi	N/A	N/E
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**7.3 Design and development** This clause applies only to organizations responsible for the design of modifications.

**7.3.1 Design and development planning**

13 Does the organization plan and control the design and development of product?					
14 During the design and development planning, does the organization determine: (1) <span style="float: right;">M</span> a) the design and development stages <i>- in respect of organization, task sequence, mandatory steps, significant stages and method of configuration control?</i> b) the review, verification and validation that are appropriate to each design and development stage? and c) the responsibilities and authorities for design and development?					
15 <i>Where appropriate, due to complexity, does the organization give consideration to the following activities:</i> <i>- structuring the design effort into significant elements?</i> <i>- for each element, analyzing the tasks and the necessary resources for its design and development. Does this analysis consider an identified responsible person, design content, input data, planning constraints, and performance conditions? Is the input data specific to each element reviewed to ensure consistency with requirements?</i>					
16 Does the organization manage the interfaces between different groups involved in design and development to ensure effective communication and clear assignment of responsibility?					
17 Is Planning output updated, as appropriate, as the design and development progresses?					
18 <i>Are the different design and development tasks to be carried out defined according to specified safety or functional objectives of the product in accordance with customer and/or Authority requirements? (2)</i> <span style="float: right;">P</span>					

**Guidance Note**

- 1) Give at least one example of a completed design & development plan, or an example of one in progress that identifies the planning of tasks and key events for the implementation of:
  - Maintenance program
  - Engineering order
  - Major modification
  - STC
  - New repair process
- 2) Give an example

**Objective evidence assessed / Observations / Comments/ N/A explanation**

QUALITY SYSTEM QUESTIONNAIRE					
ASSESSMENT QUESTIONS	KEY Requirements	S	CAR Number Ma or mi	N/A	N/E

### 7.3.2 Design and development inputs

19	Are inputs relating to product requirements determined and are records maintained (see 4.2.4)? (1) Do these inputs include : a) functional and performance requirements? b) applicable statutory and regulatory requirements? c) where applicable, information derived from previous similar designs? and d) other requirements essential for design and development?	M				
20	Are these inputs reviewed for adequacy?					
21	Are requirements completed, unambiguous and not in conflict with each other?					

### 7.3.3 Design and development outputs

22	Are the outputs of design and development provided in a form that enables verification against the design and development input and approved prior to release?					
23	Do the design and development outputs: a) meet the input requirements for design and development? b) provide appropriate information for purchasing, production and for service provision? c) contain or reference product acceptance criteria? d) specify the characteristics of the product that are essential for its safe and proper use? <b>and</b> e) <b>identify key characteristics, when applicable, in accordance with design or contract requirement?</b>	M				
24	<b>Are all pertinent data required to allow the product to be identified, manufactured, inspected, used and maintained, defined by the organization; for example:</b> a) <b>drawings, part lists, specifications?</b> b) <b>a listing of those drawings, part lists, and specifications necessary to define the configuration and the design features of the product?</b> c) <b>information on material, processes, type of manufacturing and assembly of the product necessary to ensure the conformity of the product?</b>	M				

#### Guidance Note

- 1) Review applicable input data (give examples)

#### Objective evidence assessed / Observations / Comments/ N/A explanation

QUALITY SYSTEM QUESTIONNAIRE					
ASSESSMENT QUESTIONS	KEY Requirements	S	CAR Number Ma or mi	N/A	N/E

**7.3.4 Design and development review**

25	At suitable stages, are systematic reviews of design and development performed in accordance with planned arrangements (see 7.3.1): (1) a) to evaluate the ability of the results of design and development to meet requirements? b) to identify any problems and propose necessary actions? <b>and</b> c) <b>to authorize progression to the next stage?</b>	M				
26	Do participants in such reviews include representatives of functions concerned with the design and development stage(s) being reviewed?					
27	Are records of the results of the reviews and any necessary actions maintained (see 4.2.4)?					

**7.3.5 Design and development verification**

28	Is verification performed in accordance with planned arrangements (see 7.3.1) to ensure that the design and development outputs have met the design and development input requirements?					
29	Are records of the results of the reviews and any necessary actions maintained (see 4.2.4)?					

**Guidance Note**

- 1) Give evidence of reviews with relevant participants

**Objective evidence assessed / Observations / Comments/ N/A explanation**

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ASSESSMENT QUESTIONS		KEY Requirements	S	CAR Number Ma or mi	N/A	N/E

### 7.3.6 Design and development validation

30	Is design and development validation performed in accordance with planned arrangements (see 7.3.1) to ensure that the resulting product is capable of meeting the requirements for the specified application or intended use, where known?	P				
31	Wherever practicable, is validation completed prior to the delivery or implementation of the product?					
32	Are records of the results of validation and any necessary actions maintained (see 4.2.4)					

### 7.3.6.1 Documentation of design and/or development verification and validation

33	<i>At the completion of design and/or development, does the organization ensure that reports, calculations, test results, etc., demonstrate that the product definition meets the specification requirements for all identified operational conditions?</i>	M				
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### 7.3.6.2 Design and/or development verification and validation testing

34	<p><i>Where tests are necessary for verification and validation, are these tests planned, controlled, reviewed, and documented to ensure and prove the following: (1)</i></p> <p><i>a) test plans or specifications identify the product being tested and the resources being used, define test objectives and conditions, parameters to be recorded, and relevant acceptance criteria?</i></p> <p><i>b) test procedures describe the method of operation, the performance of the test, and the recording of the results?</i></p> <p><i>c) the correct configuration standard of the product is submitted for the test?</i></p> <p><i>d) the requirements of the test plan and the test procedures are observed?</i></p> <p><i>e) the acceptance criteria are met?</i></p>	P				
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### 7.3.7 Control of design and development changes

35	Are design and development changes identified and records maintained?					
36	Are the changes reviewed, verified and validated, as appropriate, and approved before implementation? (2)	P				
37	Does the review of design and development changes include evaluation of the effect of the changes on constituent parts and product already delivered?	P				
38	<i>Does the organization's change control process provide for customer and/or Authority approval of changes, when required by contract or regulatory requirement?</i>					
39	Are records of the results of the review of changes and any necessary actions maintained (see 4.2.4)?					

#### Guidance Note

- 1) Give an example of a report
- 2) Give an example

#### Objective evidence assessed / Observations / Comments/ N/A explanation

## QUALITY SYSTEM QUESTIONNAIRE

ASSESSMENT QUESTIONS	KEY Requirements	S	CAR Number Ma or mi	N/A	N/E
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### 7.4 Purchasing

#### 7.4.1 Purchasing process

40 Does the organization ensure that purchased product conforms to specified purchase requirements?					
41 <i>Is the organization responsible for the quality of all products purchased from suppliers, including customer-designated sources?</i>					
42 <i>Does the organization's purchasing process satisfy Authority requirements related to the use of non-certificated suppliers?</i>					
43 Is the type and extent of control applied to the Supplier and the purchased product dependent upon the effect of the purchased product on subsequent product realization or the final product?					
44 Does the organization evaluate and select Suppliers based on their ability to supply product in accordance with the organization's requirements?					
45 Are criteria for selection, evaluation and re-evaluation established?					
46 Are records of the results of evaluations and any necessary actions arising from the evaluation maintained (see 4.2.4)?					
47 <b>Does the organization:</b> a) <i>maintain a register of approved Suppliers that includes the scope of the approval? (1)</i> b) <i>periodically review Suppliers performance and use the records of these reviews as a basis for establishing the level of controls to be implemented?</i> c) <i>define the necessary actions to take when dealing with Suppliers that do not meet requirements? (2)</i> d) <i>ensure where required that both the organization and all Suppliers use customer-approved special process sources?</i> e) <i>ensure that the function having responsibility for approving Supplier quality systems has the authority to disapprove the use of sources?</i> f) <i>take appropriate measures to prevent the purchase of counterfeit/unapproved products? (3)</i>	M				

#### Guidance Note

- 1) Review current list of approved and unapproved Suppliers
- 2) Review supplier performance / measurement system (e.g. supplier rating, etc.)
- 3) Review organization policy to prevent counterfeit and unapproved products

#### Objective evidence assessed / Observations / Comments/ N/A explanation

## QUALITY SYSTEM QUESTIONNAIRE

ASSESSMENT QUESTIONS	KEY Requirements	S	CAR Number Ma or mi	N/A	N/E
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### 7.4.2 Purchasing information

<p>48 Does purchasing information describe the product to be purchased, including where appropriate: (1) P</p> <p>a) requirements for approval of product, procedures, processes and equipment?</p> <p>b) requirements for qualification of personnel?</p> <p>c) quality management system requirements?</p> <p>d) <i>the name or other positive identification, and applicable issues of specifications, drawings, process requirements, inspection instructions and other relevant technical data?</i></p> <p>e) <i>requirements for design, test, examination, inspection and related instructions for acceptance by the organization?</i></p> <p>f) <i>requirements for test specimens (e.g., production method, number, storage conditions) for design approval, inspection, investigation or auditing?</i></p> <p>g) <i>requirements relative to:</i>  <i>- supplier notification to organization of nonconforming product? and</i>  <i>- arrangements for Supplier approval of supplier nonconforming material?</i></p> <p>h) <i>requirements for the supplier to notify the organization of changes in product and/or process definition and, where required, obtain organization approval?</i></p> <p>i) <i>right of access by the organization, their customer, and Authorities to all facilities involved in the order and to all applicable records? and</i></p> <p>j) <i>requirements for the supplier to flow down to sub-tier suppliers the applicable requirements in the purchasing documents, including key characteristics where required?</i></p> <p>k) <i>specific Authority approvals requirements?</i></p> <p>l) <i>format and content of the organization's release documentation package?</i></p> <p>m) <i>conditions under which defects and unairworthy conditions have to be reported?</i></p>					
<p>49 Does the organization ensure the adequacy of specified purchase requirements prior to their communication to the supplier?</p>					

#### Guidance Note

- 1) Examine purchase orders that apply to several types of procurement
  - Parts and components
  - Repair process
  - Manufacturing
  - Services (temporary workers, training)

#### Objective evidence assessed / Observations / Comments/ N/A explanation

QUALITY SYSTEM QUESTIONNAIRE					
ASSESSMENT QUESTIONS	KEY Requirements	S	CAR Number Ma or mi	N/A	N/E

## 7.4.3 Verification of purchased product

50	Does the organization establish and implement the inspection or other activities necessary for ensuring that purchased product meets specified purchase requirements, they may include: (1) <b>a) obtaining objective evidence of the quality of the product from suppliers (e.g., accompanying documentation, certificate of conformity, test reports, statistical records, process control?</b> <b>b) inspection and audit at supplier's premises?</b> <b>c) review of the required documentation?</b> <b>d) inspection of products upon receipt? and,</b> <b>e) delegation of verification to the supplier, or supplier certification?</b>	P				
51	<b>Is purchased product held until it has been verified as conforming to specified requirements unless it is released under positive recall procedure?</b>					
52	<b>Where the organization utilizes test reports to verify purchased product, is the data in those reports acceptable per applicable specifications? (2)</b>					
53	<b>Does the organization periodically validate test reports for raw material? (2)</b>					
54	<b>Where the organization delegates verification activities to the supplier, are the requirements for delegation defined and a register of delegations maintained? (3)</b>					
55	Where the organization or its customer intends to perform verification at the supplier's premises, does the organization state the intended verification arrangements and method of product release in the purchasing information?					
56	<b>Where specified in the contract, is the customer or the customer's representative afforded the right to verify at the supplier's premises and the organization's premises that subcontracted product conforms to specified requirements?</b>					
57	<b>Is it ensured that verification by the customer is not used by the organization as evidence of effective control of quality by the supplier (it does not absolve the organization of the responsibility to provide acceptable product, nor shall it preclude subsequent rejection by the customer)?</b>					

**Guidance Note**

- 1) Verifications may include item a) to e). Record procedures examined and list examples checked
- 2) Give examples
- 3) List examined examples and refer to organization procedures for the registration of delegation

**Objective evidence assessed / Observations / Comments/ N/A explanation**

QUALITY SYSTEM QUESTIONNAIRE					
ASSESSMENT QUESTIONS	KEY Requirements	S	CAR Number Ma or mi	N/A	N/E

**7.5 Production and service provision**

**7.5.1 Control of production and service provision**

<p><b>58 Does planning consider, as applicable:</b></p> <ul style="list-style-type: none"> <li>a) <i>the establishment of process controls and development of control plans where key characteristics have been identified?</i></li> <li>b) <i>the identification of in-process verification points when adequate verification of conformance cannot be performed at a later stage of realization?</i></li> <li>c) <i>the design, manufacture, and use of tooling so that variable measurements can be taken, particularly for key characteristics? and</i></li> <li>d) <i>special processes (see 7.5.2)?</i></li> </ul>					
<p><b>59 Does the organization plan and carry out production and service provision under controlled conditions. (1)</b></p> <p>Do these controlled conditions include, as applicable:</p> <ul style="list-style-type: none"> <li>a) the availability of information that describes the characteristics of the product?</li> <li>b) the availability of work instructions, as necessary?</li> <li>c) the use of suitable equipment?</li> <li>d) the availability and use of monitoring and measuring devices?</li> <li>e) the implementation of monitoring and measurement?</li> <li>f) the implementation of release, delivery and post-delivery activities?</li> <li>g) <b>accountability for all product during manufacture (e.g., parts quantities, split orders, nonconforming product)?</b></li> <li>h) <b>evidence that all manufacturing and inspection operations have been completed as planned, or as otherwise documented and authorized?</b> P</li> <li>i) <b>provision for the prevention, detection, and removal of foreign objects?</b> P</li> <li>j) <b>monitoring and control of utilities and supplies such as water, compressed air, electricity and chemical products to the extent they affect product quality?</b></li> <li>k) <b>criteria for workmanship, which shall be stipulated in the clearest practical manner (e.g., written standards, representative samples or illustrations)?</b></li> <li>l) <b>compliance with reference standards/codes, quality plans, manufacturers' recommendations and/or documented procedures?</b></li> <li>m) <b>maintaining a list of approved maintenance/repair process capabilities and/or current ratings? (2) and</b></li> <li>n) <b>assuring that maintenance operations do not adversely affect areas outside the scope of the planned maintenance?</b></li> </ul>					

**Guidance Note**

- 1) List the part number(s) used for this review
- 2) Refer to the capability list organization procedure

**Objective evidence assessed / Observations / Comments/ N/A explanation**

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## QUALITY SYSTEM QUESTIONNAIRE

ASSESSMENT QUESTIONS	KEY Requirements	S	CAR Number Ma or mi	N/A	N/E
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### 7.5.1.1 Maintenance Documentation

60 <i>Are maintenance operations performed in accordance with established documentation?</i>					
61 <i>Does the maintenance documentation include as appropriate: (1)</i> a) <i>approved technical data? and</i> b) <i>a list of specific or non-specific tools and numerical control (NC) machine programs required and any specific instructions associated with their use?</i>	P				

### 7.5.1.2 Control of maintenance process changes

62 <i>Are persons authorized to approve changes to maintenance processes identified? (2)</i>	M				
63 <i>Has the organization identified and obtained acceptance of changes that require customer and/or Authority approval in accordance with contract or regulatory requirements?</i>					
64 <i>Are changes affecting processes, equipment, tools and programs documented?</i>	P				
65 <i>Are procedures available to control their implementation?</i>					
66 <i>Are the results of changes to maintenance processes assessed to confirm that the desired effect has been achieved without adverse effects to product quality?</i>	P				

### 7.5.1.3 Control of maintenance equipment, tools and programs

67 <i>Are maintenance equipment, tools and programs validated prior to use and maintained and inspected periodically according to documented procedures? (3)</i>	P				
68 <i>Does validation prior to production use include verification of the first article produced to the design data/specification?</i>	P				
69 <i>Are storage requirements, including periodic preservation/condition checks, established for maintenance equipment or tooling in storage?</i>					

### 7.5.1.4 Control of work transferred, on a temporary basis, outside the organization's facilities

70 <i>When planning to temporarily transfer work to a location outside the organization's facilities, does the organization define the process to control and validate the quality of the work? (4)</i>	M				
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#### Guidance Note

- 1) Give different examples of maintenance documentation used for repairs relative to the organization's capability list and/or current rating e.g. maintenance manuals, operator maintenance manuals, engineering orders, component maintenance manuals, technical orders
- 2) Clearly defined list or procedures
- 3) Give examples of validation and list of relevant procedures for equipment, tools and software programs if applicable
- 4) Refer to the organization's policy to control temporarily transferred work to an outside location and check for appropriate documentation, training, equipment and tools, and airworthiness certificate issue

#### Objective evidence assessed / Observations / Comments/ N/A explanation

## QUALITY SYSTEM QUESTIONNAIRE

ASSESSMENT QUESTIONS	KEY Requirements	S	CAR Number Ma or mi	N/A	N/E
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### 7.5.1.5 Control of service operations

<b>71</b> Where servicing is a specified requirement, do service operation processes provide for: <ul style="list-style-type: none"> <li>a) a method of collecting and analyzing in-service data?</li> <li>b) actions to be taken where problems are identified after delivery, including investigation, reporting activities, and actions on service information consistent with contractual and/or regulatory requirements? (1-2)</li> <li>c) the control and updating of technical documentation?</li> <li>d) the approval, control, and use of repair schemes? (3) and,</li> <li>e) the controls required for off-site work (e.g., organization's work undertaken at the customer's facilities)?</li> </ul>					
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### 7.5.2 Validation of processes for production and service provision

<b>72</b> Does the organization validate any processes for production and service provision where the resulting output cannot be verified by subsequent monitoring or measurement (This includes any processes where deficiencies become apparent only after the product is in use or the service has been delivered)? (4) <b>Note: These processes are frequently referred to as special processes.</b>	P				
<b>73</b> Does validation demonstrate the ability of these processes to achieve planned results?					
<b>74</b> Has the organization established arrangements for these processes including, as applicable: <ul style="list-style-type: none"> <li>a) defined criteria for review and approval of the processes?                - <b>Qualification and approval of special processes prior to use?</b></li> <li>b) approval of equipment and qualification of personnel?</li> <li>c) use of specific methods and procedures?                - <b>Control of the significant operations and parameters of special processes in accordance with documented process specifications and changes thereto? (5)</b></li> <li>d) requirements for records (see 4.2.4)? and</li> <li>e) revalidation?</li> </ul>	M				

#### Guidance Note

- 1) Review reports issued following visits to the customer (technical support). Comment on method of collection of in service data. Examine some investigation reports
- 2) Review evidence of implementation of corrective and preventive actions
- 3) Review of what has been assessed (e.g. maintenance manuals, repair manuals, information to customer)
- 4) List of special processes
- 5) Give examples

#### Objective evidence assessed / Observations / Comments/ N/A explanation

QUALITY SYSTEM QUESTIONNAIRE					
ASSESSMENT QUESTIONS	KEY Requirements	S	CAR Number Ma or mi	N/A	N/E

### 7.5.3 Identification and traceability

75	Where appropriate, does the organization identify the product by suitable means throughout product realization?				
76	<i>Does the organization maintain the identification of the configuration of the product in order to identify any differences between the actual configuration and the agreed configuration?</i> P				
77	Has the organization identified the product status with respect to monitoring and measurement requirements?				
78	<i>When acceptance authority media are used (e.g., stamps, electronic signatures, passwords), does the organization establish and document controls for the media? (1)</i>				
79	Where traceability is a requirement, does the organization control and record the unique identification of the product (see 4.2.4)?				

### 7.5.4 Customer property

80	Does the organization exercise care with customer property while it is under the organization's control or being used by the organization? (2)				
81	Has the organization identified, verified, protected and safeguarded customer property provided for use or incorporation into the product? P				
82	Does the organization define methods to identify and record customer products that are lost, damaged or otherwise made unusable and report such to the customer?				

#### Guidance Note

- 1) Give examples of method(s) used
- 2) Identify types of product supplied by the customer

#### Objective evidence assessed / Observations / Comments / N/A explanation

## QUALITY SYSTEM QUESTIONNAIRE

ASSESSMENT QUESTIONS	KEY Requirements	S	CAR Number Ma or mi	N/A	N/E
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### 7.5.5 Preservation of product

83 Does the organization preserve the conformity of product during internal processing and delivery to the intended destination?					
84 Does the preservation include identification, handling, packaging, storage and protection?					
85 Does preservation also apply to the constituent parts of a product?					
<b>86 Does preservation of product also include, where applicable in accordance with product specifications and/or regulations, provisions for: (1)</b> a) <i>cleaning?</i> b) <i>prevention, detection and removal of foreign objects?</i> c) <i>special handling for sensitive products?</i> d) <i>marking and labeling including safety warnings?</i> e) <i>shelf life control and stock rotation?</i> f) <i>special handling for hazardous materials?</i>	P				
87 Does the organization ensure that documents required by the applicable Authority or contract/order to accompany the product are present at delivery and are protected against loss and deterioration?					
88 Are Items for maintenance use segregated from items not intended for maintenance to prevent unintended use?					

#### Guidance Note

- 1) Give examples relevant to a) to f)

Objective evidence assessed / Observations / Comments / N/A explanation

QUALITY SYSTEM QUESTIONNAIRE					
ASSESSMENT QUESTIONS	KEY Requirements	S	CAR Number Ma or mi	N/A	N/E

**7.6 Control of monitoring and measuring devices**

89	Does the organization determine the monitoring and measurement to be undertaken and the monitoring and measuring devices needed to provide evidence of conformity of product to determined requirements (see 7.2.1)?				
90	<b>Does the organization maintain a register of these monitoring and measuring devices, and define the process employed for their calibration including details of equipment type, unique identification, location, frequency of checks, check method and acceptance criteria?</b>				
91	Has the organization established processes to ensure that monitoring and measurement can be carried out and are carried out in a manner that is consistent with the monitoring and measurement requirements?				
92	<b>Does the organization ensure that environmental conditions are suitable for the calibrations, inspections, measurements and tests being carried out?</b>				
93	Where necessary to ensure valid results, is measuring equipment: a) calibrated or verified at specified intervals, or prior to use, against measurement standards traceable to international or national measurement standards; where no such standards exist, the basis used for calibration or verification shall be recorded? (1) b) adjusted or re-adjusted as necessary? c) identified to enable the calibration status to be determined? d) safeguarded from adjustments that would invalidate the measurement result? e) protected from damage and deterioration during handling, maintenance and storage? f) <b>recalled to a defined method when requiring calibration? (2)</b>				
94	Does the organization assess and record the validity of the previous measuring results when the equipment is found not to conform to requirements?				
95	Does the organization take appropriate action on the equipment and any product affected? P				
96	Are records of the results of calibration and verification maintained (see 4.2.4)?				
97	When used in the monitoring and measurement of specified requirements, is the ability of computer software to satisfy the intended application confirmed? (3) P				
98	Is this undertaken prior to initial use and reconfirmed as necessary?				

**Guidance Note**

- 1) Assure that the organization has a process for ensuring the capability of the measurement system (e.g. interval analysis, resolution analysis, gage repeatability and reproducibility)
- 2) Ensure there are links to a recognized international / national standard
- 3) Refer to examples assessed during the Audit

**Objective evidence assessed / Observations / Comments/ N/A explanation**