

# Novelties re Changes to Part-145

Airworthiness Inspectorate - MACE 2021

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# Changes to Section A



Old Part 145		New Part 145	
145.1	General	145.1	Competent authority
145.A.10	Scope	145.A.10	Scope
145.A.15	Application	145.A.15	Application for an organizational certificate
145.A.20	Terms of approval	145.A.20	Terms of Approval & Scope of work
145.A.25	Facility Requirements	145.A.25	Facility Requirements
145.A.30	Personnel Requirements	145.A.30	Personnel Requirements
145.A.35	Certifying & Support Staff	145.A.35	Certifying & Support Staff
145.A.36	Records of Airworthiness Review staff		DELETED
	NEW	<b>145.A.37</b>	<b>Airworthiness review staff</b>
145.A.40	Equipment & tools	145.A.40	Equipment & tools
145.A.42	Components	145.A.42	Components
145.A.45	Maintenance Data	145.A.45	Maintenance Data
145.A.47	Production Planning	145.A.47	Production Planning
145.A.45	Maintenance Data	145.A.45	Maintenance Data
145.A.50	Certification of Maintenance	145.A.50	Certification of Maintenance
145.A.55	Maintenance & airworthiness review records	145.A.55	Record-keeping

Old Part 145		New Part 145	
145.A.60	Occurrence Reporting	145.A.60	Occurrence Reporting
145.A.65	Safety and quality policy, maintenance procedures and quality system	145.A.65	Maintenance Procedures
145.A.70	Maintenance Organisation Exposition	145.A.70	Maintenance Organisation Exposition MOE
145.A.75	Privileges of the organisation	145.A.75	Privileges of the organisation
145.A.80	Limitations of the organization		DELETED
145.A.85	Changes to the organisation	145.A.85	Changes to the organisation
145.A.90	Continued Validity	145.A.90	Continued Validity
145.A.95	Findings	145.A.95	Findings
		<b>145.A.120</b>	<b>Means of compliance</b>
		<b>145.A.140</b>	<b>Access</b>
		<b>145.A.155</b>	<b>Immediate reaction to a safety problem</b>
		<b>145.A.200</b>	<b>Management system</b>
		<b>145.A.202</b>	<b>Internal safety reporting scheme</b>
		<b>145.A.205</b>	<b>Contracting and subcontracting</b>

# Part-145 Airworthiness Review Staff

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In the old regulation paragraph (k) of 145.A.30 gave the personnel requirements that a 145 organisation shall meet in order to issue an airworthiness review certificate

However Paragraph (k) of 145.A.30 is replaced with the following statement

- If the organisation performs airworthiness reviews and issues the corresponding airworthiness review certificate in accordance with point ML.A.903 of Annex Vb (Part-ML), it shall have airworthiness review staff that are qualified and authorised in accordance with point **145.A.37.**’;

# Part-145.A.37 Airworthiness Review Staff

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(a) In order to be approved to carry out airworthiness reviews and to issue the corresponding airworthiness review certificates (ARC) for aircraft covered by Annex Vb (Part-ML), the organisation shall have airworthiness review staff that comply with all of the following requirements:

- (1) they have acquired experience in continuing airworthiness of at least 1 year for sailplanes and balloons and of at least 3 years for all other aircraft;
- (2) they hold a certifying staff authorisation for the corresponding aircraft;
- (3) they have acquired knowledge of Annex I (Part-M), Subpart C, or of Annex Vb (Part-ML), Subpart C;
- (4) they have acquired knowledge of the procedures of the maintenance organisation relevant to the airworthiness review and issue of the airworthiness review certificate.
- (b) Before the organisation issues an airworthiness review authorisation to a candidate, that person shall perform an airworthiness review under the supervision of the competent authority or under the supervision of a person that is already authorised as airworthiness review staff by the organisation. If this airworthiness review under supervision is satisfactory, the competent authority shall formally accept that person to become airworthiness review staff.
- (c) The organisation shall ensure that the airworthiness review staff can demonstrate appropriate recent continuing airworthiness experience.;

# Part 145.A.55 - Record-Keeping

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	Old Part 145	New Part 145	
Maintenance Records	Past 3 years 145.A.55	Past 3 years	From date of issue of CRS
Airworthiness Review Records	Past 3 years 145.A.36	Past 3 years	From date of issue of the ARC
Maintenance & ARC Records upon termination of the 145.	Past 3 years 145.A.55	Past 3 years	Transfer retained records for the past 3 years to the last customer/owner, or store them in a manner specified by the CA.
Management System Records	<b>Past 2 years</b> <b>AMC</b> <b>145.A.65(c)(2)</b>	<b>Past 5 years</b>	To retain records of the key management processes & contracts for contracting and subcontracting activities
Personnel Records	Past 3 years 145.A.35	Past 3 years	At least 3 years after the person has left the organisation, or after an authorisation issued to that person has been withdrawn

# Part 145.A.55 - Record-Keeping

- The organisation shall establish a record-keeping system that allows adequate storage and reliable traceability of all its activities.
- The format of the records shall be specified in the organisation's procedures.
- The records shall be stored in a manner that ensures that they are protected from damage, alteration and theft.';



# Findings raised by TM-CAD

## **145.A.95 Findings and observations**

- (a) After the receipt of a notification of findings in accordance with point 145.B.350, the organisation shall:
  - identify the root cause(s) of, and contributing factor(s) to, the non-compliance;
  - define a corrective action plan;
  - demonstrate the implementation of corrective action to the satisfaction of the competent authority.
- (b) The actions referred to in point (a) shall be performed within the period agreed with that competent authority in accordance with point 145.B.350.

## **145.B.350 (d)(3)**

- If the organisation fails to submit an acceptable corrective action plan, or fails to perform the corrective action within the time period accepted or extended by the competent authority, the finding shall be raised to level 1 and action shall be taken as laid down in point (d)(1).

# Issue of Observations by the CA for cases not requiring Level 1 or 2 Findings

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145.B.350(f) The competent authority may issue observations for any of the following cases not requiring level 1 or level 2 findings:

- for any item whose performance has been assessed to be ineffective;
- when it has been identified that an item has the potential to cause a non-compliance under points (b) or (c);
- when suggestions or improvements are of interest for the overall safety performance of the organisation.
- The observations issued under this point shall be communicated in writing to the organisation and recorded by the competent authority.

Operator's responsibility:

145.A.95(c) The observations received in accordance with point 145.B.350(f) shall be given due consideration by the organisation. The organisation shall record the decisions taken in respect of those observations.';

# 145.A.120 - AltMoC's

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## 145.A.120 Means of compliance

- (a) An organisation may use any alternative means of compliance to establish compliance with this Regulation.
- (b) If an organisation wishes to use an alternative means of compliance, it shall, prior to using it, provide the competent authority with a full description. The description shall include any revisions to manuals or procedures that may be relevant, as well as an explanation indicating how compliance with this Regulation is achieved.  
The organisation may use those alternative means of compliance subject to prior approval from the competent authority.’;

# 145.A.200 Management system

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- a) The organisation shall establish, implement and maintain a management system that includes:
  - 1) clearly defined accountability and lines of responsibility throughout the organisation, including a direct safety accountability of the accountable manager;
  - 2) a description of the overall philosophies and principles of the organisation with regard to safety ('the safety policy'), and the related safety objectives;
  - 3) the identification of aviation safety hazards entailed by the activities of the organisation, their evaluation and the management of the associated risks, including taking actions to mitigate the risks and verify their effectiveness;
  - 4) maintaining personnel trained and competent to perform their tasks;
  - 5) documentation of all management system key processes, including a process for making personnel aware of their responsibilities and the procedure for amending that documentation;
  - 6) a function to monitor the compliance of the organisation with the relevant requirements. Compliance monitoring shall include a feedback system of findings to the accountable manager to ensure the effective implementation of corrective actions as necessary;
- b) The management system shall correspond to the size of the organisation and the nature and complexity of its activities, taking into account the hazards and the associated risks inherent in those activities.
- c) If the organisation holds one or more additional organisation certificates within the scope of Regulation (EU) 2018/1139, the management system **may** be integrated with that required under the additional certificate(s) held.';

# 145.A.200 Management system – Nominated Personnel

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As per 145.A.30:

(a)(b) The accountable manager shall nominate a person or group of persons representing the management structure for the maintenance functions and with the responsibility to ensure that the organisation works in accordance with the MOE and approved procedures. It shall be made clear in the procedures who deputises for a particular person in the case of lengthy absence of that person.

(a)(c) The accountable manager shall nominate a person or group of persons with the responsibility to manage the compliance monitoring function as part of the management system

(b)(ca) The accountable manager shall nominate a person or group of persons with the responsibility to manage the development, administration and maintenance of effective safety management processes as part of the management system.

Knowledge requirements of the Accountable manager & Nominated personnel are in 145.A.30

# 145.A.200 - Management System - Man-hour Plan

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As per 145.A.30 points (c) & (d) still reflect to a man-hour plan based on an authorization system that shall encompass the management system.

IANs on TM Website

IAN 22 & IAN 23

Also changes to 147.A.47 include:

(b) As part of the management system, the planning of maintenance tasks, and the organising of shifts, shall take into account human performance limitations, including the threat of fatigue for maintenance personnel.

(d) The organisation shall ensure that aviation safety hazards associated with external working teams carrying out maintenance at the organisation's facilities are considered by the organisation's management system.';

# 145.A.202 Internal safety reporting scheme

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(a) As part of its management system, the organisation shall establish an internal safety reporting scheme to enable the collection and evaluation of such occurrences that are to be reported under point 145.A.60.

(b) The scheme shall also enable the collection and evaluation of those errors, near misses and hazards reported internally that do not fall under point (a).

(c) Through that scheme, the organisation shall:

(1) identify the causes of, and contributing factors to, the errors, near misses and hazards reported, and address them as part of its safety risk management process in accordance with point 145.A.200(a)(3);

(2) ensure an evaluation of all known, relevant information relating to errors, near misses, hazards and the inability to follow procedures, and a method to circulate the information as necessary.

(d) The organisation shall make arrangements to ensure the collection of safety issues related to subcontracted activities.’;

# 145.A.205 Contracting & Subcontracting

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(a) The organisation shall ensure that when contracting or subcontracting any part of its maintenance activities:

(1) the maintenance conforms to the applicable requirements;

(2) any aviation safety hazard associated with such contracting or subcontracting is considered as part of the organisation's management system.

(b) If the organisation subcontracts any part of its maintenance activities to another organisation, the subcontracted organisation shall work under the scope of approval of the subcontracting organisation.';



Any questions?

