



**Australian Government**  
**Civil Aviation Safety Authority**

# ADVISORY CIRCULAR

## AC 145-02v1.1

### Human factors guidelines for aircraft maintenance

**Date** November 2022  
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Advisory circulars are intended to provide advice and guidance to illustrate a means, but not necessarily the only means, of complying with the Regulations, or to explain certain regulatory requirements by providing informative, interpretative and explanatory material.

**Advisory circulars should always be read in conjunction with the relevant regulations.**

## Purpose

Subparagraph 145.A.65 (b) 1 of the Part 145 Manual of Standards (MOS) requires a Part 145 Approved Maintenance Organisation (AMO) to have procedures in its exposition that ensure good maintenance practices and compliance with the MOS, which include taking into account human factors principles and human performance limitations. In preparing such procedures, an AMO or applicant for an approval certificate may have regard to ICAO Doc 9824 AN/450.

## For further information

For further information, contact CASA's Airworthiness Standards (telephone 131 757).

## Status

This version of the AC is approved by the Branch Manager, Airworthiness and Engineering.

**Note:** Changes made in the current version are not annotated. The document should be read in full.

Version	Date	Details
v1.1	November 2022	Administrative review only.
(0)	November 2011	Initial AC.

Unless specified otherwise, all subregulations, regulations, Divisions, Subparts and Parts referenced in this AC are references to the *Civil Aviation Safety Regulations 1998 (CASR)*.

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# 1 Reference material

## 1.1 Acronyms

- 1.1.1 Please refer to the International Civil Aviation Organization (ICAO) Doc 9824 – Human Factors Guidelines for Aircraft Maintenance Manual (ICAO Doc 9824 AN/450) on ICAO's [website](#).

## 1.2 Definitions

- 1.2.1 Please refer to ICAO Doc 9824 AN/450 on ICAO's [website](#).

## 1.3 References

### Legislation

Legislation is available on the Federal Register of Legislation website <https://www.legislation.gov.au/>

Document	Title
Part 145 of CASR 1998	

### International Civil Aviation Organization documents

International Civil Aviation Organization (ICAO) documents are available for purchase from <http://store1.icao.int/>

Document	Title
ICAO Doc 9824 AN/450	Human Factors Guidelines for Aircraft Maintenance Manual

## 2 Recognition of ICAO

- 2.1.1 This AC attaches ICAO Doc 9824 AN/450. CASA gratefully acknowledges ICAO for providing permission to CASA to reproduce ICAO Doc 9824 AN/450 which can be downloaded at: <http://www.icao.int/>

### **3 Use of ICAO reference material in human factors guidelines**

- 3.1.1 The information contained in ICAO Doc 9824 AN/450 can be used by an AMO or applicant for an approval certificate when preparing its exposition procedures as they describe how it will take into account human factors principles and human performance limitations.