Aircraft ground equipment - Graphical symbols (ISO 11532:2018)



EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN ISO 11532:2020 sisaldab Euroopa standardi EN ISO 11532:2020 ingliskeelset teksti.	This Estonian standard EVS-EN ISO 11532:2020 consists of the English text of the European standard EN ISO 11532:2020.		
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.		
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 10.06.2020.	Date of Availability of the European standard is 10.06.2020.		
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ICS 01.080.20, 49.100

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EUROPEAN STANDARD

EN ISO 11532

NORME EUROPÉENNE

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English Version

Aircraft ground equipment - Graphical symbols (ISO 11532:2018)

Matériel au sol pour aéronefs - Symboles graphiques (ISO 11532.2018)

Luftfahrt-Bodengeräte - Graphische Symbole (ISO 11532:2018)

This European Standard was approved by CEN on 10 May 2020.

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EUROPEAN COMMITTEE FOR STANDARDIZATION COMITÉ EUROPÉEN DE NORMALISATION EUROPÄISCHES KOMITEE FÜR NORMUNG

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European foreword

The text of ISO 11532:2018 has been prepared by Technical Committee ISO/TC 20 "Aircraft and space vehicles" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 11532:2020 by Technical Committee CEN/TC 274 "Aircraft ground support equipment" the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by December 2020, and conflicting national standards shall be withdrawn at the latest by December 2020.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

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Endorsement notice

The text of ISO 11532:2018 has been approved by CEN as EN ISO 11532:2020 without any modification.

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 20, Aircraft and space vehicles, Subcommittee SC 9, Air cargo and ground equipment.

This second edition cancels and replaces the first edition (ISO 11532:2012), to which it adds new symbols [20.09.07.54, 20.09.05.20 and 20.09.05.21], deemed indispensable for aircraft protection at docking and electrically powered equipment protection.

Introduction

This document is a compendium of all graphical symbols generally used on aircraft ground support equipment. Included are relevant symbols used in the automotive industry, as standard commercial chassis often form part of the equipment.

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es depending Manufacturers are encouraged to select those symbols needed for the type(s) of equipment they produce. Users of equipment can also take an excerpt from the content of this document for staff training purposes depending on the equipment concerned.

Aircraft ground equipment — Graphical symbols

1 Scope

This document establishes common graphical symbols for use on all types of aircraft ground support equipment.

They have been compiled for the benefit of those who deal with such equipment, such as airlines, airport handling agencies, airport authorities, manufacturers, etc., in order to facilitate fast and accurate identification of controls, indicators and decals of powered and unpowered equipment.

The presentation of this document is based on the recommendations of ISO/TC 145, *Graphical symbols*.

This document is also intended to promote standardization of terms for controls, indicators, etc. for aircraft ground support equipment and alleviate language problems.

These graphical symbols are intended to be placed on all new equipment and retrofitted on all existing equipment as far as possible.

NOTE This document is intended to be read with the documents listed in the bibliography.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 6966-2, Aircraft ground equipment — Basic requirements — Part 2: Safety requirements

ISO 7000, Graphical symbols for use on equipment — Registered symbols, $^{(1)2)}$

ISO 10254, Air cargo and ground equipment — Vocabulary

IEC 60417, Graphical symbols for use on equipment

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 10254 apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at http://www.electropedia.org/
- ISO Online browsing platform: available at http://www.iso.org/obp

4 General requirements

The symbols shall be as given in Clause 5, except for any deviations necessary to reproduce an accurate representation of the driver's or operator's line of sight. All symbols required are listed in Clause 5 and most are defined in ISO 7000.

¹⁾ The database *Graphical symbols for use on equipment*, available at http://www.graphical-symbols.info/, contains all the symbols in IEC 60417 and ISO 7000.

²⁾ The graphical symbol collections of ISO 7000, ISO 7001 and ISO 7010 are also available on line in the ISO web store or the online browsing platform (OBP). For more information, consult: https://www.iso.org/obp/ui