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Earth-moving machinery — Product identification numbering system

Engins de terrassement — Système de numérotation pour l'identification des produits

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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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For an explanation of 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 www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC *127*, *Earth-moving machinery*, Subcommittee SC 3, *Machine characteristics, electrical and electronic systems, operation and maintenance*.

This third edition cancels and replaces the second edition (ISO 10261:2002), of which it constitutes a minor revision. It also incorporates the Amendment ISO 10261:2002/Amd 1:2015. The changes compared to the previous edition are as follows:

— merge the content of ISO 10261:2002/Amd 1:2015, Table 2 into Table 1;

— update the text in accordance with the latest editions of ISO/IEC Directives, Part 1 and Part 2; especially update Annex A wordings as to Registration Authority for “WMC” in accordance with ISO/IEC Directives, Part 1:2020, Annex SN.

Any feedback or questions on this document should be directed to the user’s national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Earth-moving machinery — Product identification numbering system

1 Scope

This document specifies the requirements, content, structure and identification location of a product identification numbering system for earth-moving machinery as defined in ISO 6165.

NOTE ISO 10261 PIN can be used on other types of off-road work machines.

It is not applicable to the identification of components or attachments.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

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

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at https://www.electropedia.org/

3.1
product identification number
PIN
unique set of 17 alphanumeric characters assigned to a complete machine by the *manufacturer* (3.6) for identification purposes

Note 1 to entry: The PIN consists of four *fields* (3.5) as defined in 3.1.1 to 3.1.4.

3.1.1
world manufacturer code
WMC
first *field* (3.5) of the *PIN* (3.1), alphanumeric code designating the *manufacturer* (3.6) of the machine

3.1.2
machine descriptor section
MDS
second *field* (3.5) of the *PIN* (3.1), comprising information describing the machine

3.1.3
machine indicator section
MIS
last *field* (3.5) of the *PIN* (3.1), distinguishing, in conjunction with the WMC and MDS, one machine from another by designation

3.1.4
check letter
CL
third *field* (3.5) of the *PIN* (3.1), consisting of an alpha character in the ninth position based on a calculation of the remaining 16 characters in the PIN and determining its validity or assigned, non-calculated, alpha character

3.2
primary marking
PIN (3.1) placed on a machine in a visible location

3.3
concealed marking
PIN (3.1), or derivative consisting of the MIS, placed on the machine in a concealed location

3.4
product label/plate
means of displaying the *PIN* (3.1) and machine details on the machine

3.5
field
set of one to eight-character positions reserved for specific information

EXAMPLE *WMC* (3.1.1), *MDS* (3.1.2), *MIS* (3.1.3), *CL* (3.1.4).

3.6
manufacturer
individual, partnership or company responsible for ensuring the uniqueness of the *PIN* (3.1)

Note 1 to entry: The manufacturer may be a single entity even when several factories produce the product.

4 General requirements

4.1 Characters in the PIN

The primary marking on the machine and on the product label/plate shall consist of 17 characters on a single horizontal line without breaks or separations between the characters. There shall be no additional signs, letters or characters before or after the preceding and ensuing symbols specified in 4.2. Zero (0) shall be used in the first positions of a field whenever fewer than the required number of characters is used.

EXAMPLE In the MDS, for model “AF3”, 00AF3, not AF3, is used.

4.2 Protection against adding characters

An acceptable symbol shall immediately precede the first numeral or letter of the PIN and immediately follow the last numeral of the PIN.

The acceptable symbol shall be

— an asterisk (*),

— greater-than and less-than signs (> <),

— a corporate symbol, or

— a company logo.

Instead of greater-than and less-than signs, angular brackets or similar “vee” symbols horizontally pointing inwards may be placed on either side of the PIN.