

ASABE/ISO 3767-1:2016 APR2017

Tractors, machinery for agriculture and forestry, powered lawn and garden equipment — Symbols for operator controls and other displays — Part 1: Common symbols



**American Society of
Agricultural and Biological Engineers**



**S
T
A
N
D
A
R
D**

ASABE is a professional and technical organization, of members worldwide, who are dedicated to advancement of engineering applicable to agricultural, food, and biological systems. ASABE Standards are consensus documents developed and adopted by the American Society of Agricultural and Biological Engineers to meet standardization needs within the scope of the Society; principally agricultural field equipment, farmstead equipment, structures, soil and water resource management, turf and landscape equipment, forest engineering, food and process engineering, electric power applications, plant and animal environment, and waste management.

NOTE: ASABE Standards, Engineering Practices, and Data are informational and advisory only. Their use by anyone engaged in industry or trade is entirely voluntary. The ASABE assumes no responsibility for results attributable to the application of ASABE Standards, Engineering Practices, and Data. Conformity does not ensure compliance with applicable ordinances, laws and regulations. Prospective users are responsible for protecting themselves against liability for infringement of patents.

ASABE Standards, Engineering Practices, and Data initially approved prior to the society name change in July of 2005 are designated as "ASAE", regardless of the revision approval date. Newly developed Standards, Engineering Practices and Data approved after July of 2005 are designated as "ASABE".

Standards designated as "ANSI" are American National Standards as are all ISO adoptions published by ASABE. Adoption as an American National Standard requires verification by ANSI that the requirements for due process, consensus, and other criteria for approval have been met by ASABE.

Consensus is established when, in the judgment of the ANSI Board of Standards Review, substantial agreement has been reached by directly and materially affected interests. Substantial agreement means much more than a simple majority, but not necessarily unanimity. Consensus requires that all views and objections be considered, and that a concerted effort be made toward their resolution.

CAUTION NOTICE: ASABE and ANSI standards may be revised or withdrawn at any time. Additionally, procedures of ASABE require that action be taken periodically to reaffirm, revise, or withdraw each standard.

Copyright American Society of Agricultural and Biological Engineers. All rights reserved.

ASABE, 2950 Niles Road, St. Joseph, MI 49085-9659, USA, phone 269-429-0300, fax 269-429-3852, hq@asabe.org

Tractors, machinery for agriculture and forestry, powered lawn and garden equipment — Symbols for operator controls and other displays — Part 1: Common symbols

These materials are subject to copyright claims of ISO and ASABE. No part of this publication may be reproduced in any form, including an electronic retrieval system, without the prior written permission of ASABE. All requests pertaining to ASABE/ISO 3767-1:2016 APR2017 standard should be submitted to ASABE.

This standard was reviewed and approved for adoption by the ASABE Ergonomics, Safety, and Health Internal Standards Development and Power and Machinery Agricultural Machinery Symbols, Displays, and Management Technical subcommittees. Adoption of ISO 3767-1:1998 by ASABE and approval as an American National Standard May 2006; editorial revision and reaffirmed January 2011; reaffirmed January 2016; replaced with adoption of ISO 3767-1:2016 April 2017.

Keywords: Control, Displays, Operators, Symbols

0 Foreword

0.1 ASABE/ISO 3767-1:2016 APR2017, Tractors, machinery for agriculture and forestry, powered lawn and garden equipment — Symbols for operator controls and other displays — Part 1: Common symbols, is an adoption without modification of the identically titled ISO standard ISO 3767-1:2016, Tractors, machinery for agriculture and forestry, powered lawn and garden equipment — Symbols for operator controls and other displays — Part 1: Common symbols.

0.2 ASABE/ISO 3767-1:2016 APR2017 standard defines symbols for use on operator controls and other displays applicable to multiple types of agricultural tractors and machinery, forestry machinery, and powered lawn and garden equipment.

NOTE 1 ISO 3767-2 covers symbols for agricultural tractors and machinery. ISO 3767-3 covers symbols for powered lawn and garden equipment. ISO 3767-4 covers symbols for forestry machinery. ISO 3767-5 covers symbols for manual portable forestry machines.

NOTE 2 ISO 7000 and EC 60417 can be consulted for additional internationally standardized symbols of potential relevance to agricultural tractors and machinery, forestry machinery, and powered lawn and garden equipment.

0.3 Three normative references are listed in ISO 3767-1:2016. These references have been reviewed and accepted as part of the adoption of the ISO document in ASABE/ISO 3767-1:2016.

0.4 This standard has been approved as an American National standard by ANSI (American National Standard Institution). The original content of ISO 3767-1:2016 was based on ASABE standard ASAE S304.

0.5 Attention is drawn to ASAE S304 and ASABE/ISO 3767-2:2016, which include additional symbols not found in this identical adoption that have been determined to be suitable for use.

0.6 Section 4.16 of ISO 3767-1 states the symbols shown are presented within marks that delimit the corners of the 75 mm square basic pattern from IEC 80416-1. Corner marks are not part of the symbol, but are provided to ensure consistent presentation of all symbol graphics. To meet ASABE format and publication limits the symbols size was adjusted for the publication of ASABE/ISO 3767-1:2016.

Text of ISO 3767-1:2016, Tractors, machinery for agriculture and forestry, powered lawn and garden equipment — Symbols for operator controls and other displays — Part 1: Common symbols, follows.

IMPORTANT — The electronic file of this document contains colours which are considered to be useful for the correct understanding of the document. Users should therefore consider printing this document using a colour printer.

1 Scope

This document standardizes symbols for use on operator controls and other displays applicable to multiple types of agricultural tractors and machinery, forestry machinery, and powered lawn and garden equipment.

NOTE 1: ISO 3767-2 covers symbols for agricultural tractors and machinery. ISO 3767-3 covers symbols for powered lawn and garden equipment. ISO 3767-4 covers symbols for forestry machinery. ISO 3767-5 covers symbols for manual portable forestry machines.

NOTE 2: ISO 7000 and IEC 60417 can be consulted for additional internationally standardized symbols of potential relevance to agricultural tractors and machinery, forestry machinery, and powered lawn and garden equipment.

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.

IEC 80416-1, Basic principles for graphical symbols for use on equipment — Part 1: Creation of graphical symbols for registration

ISO 80416-2, Basic principles for graphical symbols for use on equipment — Part 2: Form and use of arrows

IEC 80416-3, Basic principles for graphical symbols for use on equipment — Part 3: Guidelines for the application of graphical symbols

3 Terms and definitions

For the purposes of this document, the following terms and definitions 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>

3.1

symbol

graphical symbol

visually perceptible figure used to transmit information independent of language

Note 1 to entry: It may be produced by drawing, printing or other means. Letters, numerals and mathematical symbols may be used as symbols or symbol elements. For some specific applications, groups of letters (for example, AUTO, STOP) are used as symbols or symbol elements.