

ASABE/ISO 20383:2017 OCT2019 (R2023)

Tractors and machinery for agriculture and forestry — Speed Identification Sign (SIS)



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Approved October 2019; reaffirmed March 2023 as an American National Standard

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This standard was reviewed and approved for adoption by the ASABE Machinery Systems and Lighting and Marking committees. Adopted by ASABE and approved as an American National Standard October 2019. Reaffirmed March 2023.

History of ANSI/ASAE S584, Agricultural Equipment: Speed Identification Symbol (SIS): Proposed by the ASAE Lighting and Marking Subcommittee; approved by the Power and Machinery Division and ANSI January 2005, revised August 2006; December 2011, February 2013; reaffirmed December 2017. Replaced with identical adoption of ISO 20383:2017 October 2019.

Keywords: Sign, SIS, Speed

0 Foreword

0.1 ASABE/ISO 20383:2017 OCT2019, Tractors and machinery for agriculture and forestry — Speed Identification Sign (SIS). is an adoption without modification of the identically titled ISO standard ISO 20383:2017, Tractors and machinery for agriculture and forestry — Speed Identification Sign (SIS).

0.2 ASABE/ISO 20383:2017 specifies the dimensions, characteristics, and positioning of Speed Identification Signs (SIS). These signs indicate the maximum equipment ground speed, based on the ground speed design capability, for an agricultural vehicle.

A rear-facing SIS is visible to other operators on public roads approaching the equipment from behind. A forward-facing SIS, mounted on the front of towed equipment, alerts operators of the towing vehicle of the maximum specified ground speed capabilities at which the equipment combination can be operated.

This document is applicable to self-propelled, semi-integral and towed equipment moving on public roads.

0.3 Two normative references are listed in ISO 20383:2017. These references have been reviewed and accepted as part of the adoption of the ISO document in ASABE adoption ASABE/ISO 20383:2017 OCT2019.

0.4 This standard has been approved as an American National standard by ANSI (American National Standard Institute). The original content of ISO 20383 was based on ASABE standard ANSI/ASABE S584.

Text of ISO 20383:2017, Tractors and machinery for agriculture and forestry — Speed Identification Sign (SIS), follows.

1 Scope

This document specifies the dimensions, characteristics, and positioning of Speed Identification Signs (SIS). These signs indicate the maximum equipment ground speed, based on the ground speed design capability, for an agricultural vehicle.

A rear-facing SIS is visible to other operators on public roads approaching the equipment from behind. A forward-facing SIS, mounted on the front of towed equipment, alerts operators of the towing vehicle of the maximum specified ground speed capabilities at which the equipment combination can be operated.

This document is applicable to self-propelled, semi-integral and towed equipment moving on public roads.

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 2810, Paints and varnishes — Natural weathering of coatings — Exposure and assessment

ISO 29862:2007, Self adhesive tapes — Determination of peel adhesion properties

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:

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

— IEC Electropedia: available at <http://www.electropedia.org/>

3.1

ground speed limitation

<towed equipment combination> specified ground speed of any individual machine which is lowest within a towed implement combination

3.2

implement of husbandry

vehicle or special mobile equipment manufactured, designed, or reconstructed for agricultural purposes and, except for incidental uses, primarily used in the conduct of agricultural operations

Note 1 to entry: Included are agricultural equipment in mounted, semi-mounted or towed configurations that are transported by the mobile equipment.

3.3

public road

<highway> entire width between the boundary lines of every road when any part thereof is subject to public regulation for purposes of vehicular travel

Note 1 to entry: This term includes highways (except limited access highways), county or municipal roads, and lanes.

3.4

specified ground speed