

**ANSI/ASABE S648-1 MAR2020**

**Agricultural Field Equipment Braking — Part 1: General Requirements**



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Agricultural and Biological Engineers**

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## **ANSI/ASABE S648-1 MAR2020**

**Approved March 2020 as an American National Standard**

# **Agricultural Field Equipment Braking — Part 1: General Requirements**

*Developed with the assistance of the members of the Association of Equipment Manufacturers (AEM), members of the Farm Equipment Manufacturers Association (FEMA) and members of the Agricultural Manufacturers of Canada (AMC). Approved as an ASABE and American National (ANSI) standard March 2020.*

**Keywords:** Brake, Definitions, Safety, Test, Tractor, Trailers

## **1 Purpose**

The purpose of this part of ANSI/ASABE S648 is to define terms and establish common requirements, minimum performance criteria and performance test procedures that are common to agricultural field equipment.

## **2 Scope**

This part of ANSI/ASABE S648 provides normative references, defines terms and definitions and establishes general test procedures for the performance of braking systems used on agricultural field equipment (as defined in ANSI/ASAE S390).

## **3 Normative References**

The following referenced documents are indispensable for the application 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.

The following references apply to all parts of the ANSI/ASABE S648 standards series.

ANSI/ASAE S390, Tractors and Machinery for Agriculture and Forestry — Basic Types — Vocabulary

ANSI/ASABE S648-2, Agricultural Field Equipment Braking — Part 2: Requirements for Agricultural Tractors

ANSI/ASABE S648-3, Agricultural Field Equipment Braking — Part 3: Requirements for Self-Propelled and Special Self-Propelled Machines

ANSI/ASABE S648-4, Agricultural Field Equipment Braking — Part 4: Requirements for Towed Vehicles

ANSI/ASABE S648-5, Agricultural Field Equipment Braking — Part 5: Requirements for the Interface between Towing Vehicle and Towed Vehicles

ASABE/ISO 15077, Tractors and self-propelled machinery for agriculture — Operator controls — Actuating forces, displacement, location and method of operation

ISO 5697, Agricultural and forestry vehicles — Determination of braking performance