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Lighting and Marking of Agricultural Equipment on Highways

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

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Supersedes ASAE S213, Safety Lighting for Combinations of Farm Tractors and Implements, adopted February 1954. Proposed by the Engineering Committee of the Farm and Industrial Equipment Institute; approved by SAE Power and Machinery Division Technical Committee; adopted by ASAE December 1964; revised December 1965, June 1966, June 1967, December 1969, June 1971, March 1974; approved as an American National Standard November 1976; revised April 1977, March 1982; revision approved by ANSI July 1984; reaffirmed December 1986; revised April 1988; editorially revised July 1989; revision approved by ANSI April 1990; reaffirmed by ASAE December 1992; reaffirmed by ANSI July 1993; reaffirmed December 1997; revised April 1998; revision approved by ANSI and revised editorially October 1998; revised February 2001; revision approved by ANSI April 2001; reaffirmed December 2001; revised December 2002; revision approved by ANSI February 2003, revised January 2006, August 2008, September 2010, February 2012, August 2013, October 2019 to add AEM illustrated guide.

Keywords: Lighting, Marking, Safety, Vehicle

1 Purpose

1.1 This Standard provides specifications for lighting and marking of agricultural equipment whenever such equipment is operating or is traveling on a highway.

2 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 amendments) applies.

ANSI/ASAE S276.8, Slow-Moving Vehicle Identification Emblem (SMV Emblem)

ANSI/ASAE S390, Tractors and machinery for agriculture and forestry — Basic types — Vocabulary

ASABE/ISO 20383:2017, Tractors and machinery for agriculture and forestry — Speed Identification Sign (SIS)

ASABE S608, Headlamps for Agricultural Equipment

SAE J560, Primary and Auxiliary Seven Conductor Electrical Connector for Truck-Trailer Jumper Cable

SAE J575, Test Methods and Equipment for Lighting Devices for Use on Vehicles Less Than 2032 mm in Overall Width

SAE J585, Tail Lamps (Rear Position Lamps) for Use on Motor Vehicles Less Than 2032 mm in Overall Width

SAE J586, Stop Lamps for Use on Motor Vehicles Less Than 2032 mm in Overall Width

SAE J588, Turn Signal Lamps for Use on Motor Vehicles Less Than 2032 mm in Overall Width

SAE J594 201002, Reflex Reflectors

SAE J845, Optical Warning Devices for Authorized Emergency, Maintenance, and Service Vehicles