CURRENT ASABE STANDARDS
PROJECTS
March 16, 2016

The following projects to develop new ASABE standards and to revise existing ASABE standards are being undertaken by various ASABE committees shown below. Persons interested in these projects should contact the ASABE Standards Department or the appropriate committee chair.

*Projects to revise existing documents are identified by an asterisk.

ASE-16, Engineering for Sustainability
X629, Framework to Evaluate the Sustainability of Agricultural Production Systems

ES-220, Biomass Energy & Industrial Byproducts
X564, Methods for Determining Properties of Plant-Derived (Biomass) Combustible Solid Fuels

ES-310, Agricultural Lighting Group
X344.5, Lighting Systems for Agricultural Facilities

ES-311, Electromagnetic Radiation Application for Plants
X640, Radiation Metrics for Plant Growth Applications in Controlled Environment
X642, Recommended methods of measurements and testing for LED radiation products in plant growth and development applications.

ESH-03/2, Internal Standard Development
*X318.18, Safety for Agricultural Field Equipment

MS-03/2, Farm Materials Handling and Transport
*X354.6, Safety for Farmstead Equipment
*X361.4, Safety for Portable Agricultural Auger Conveying Equipment

MS-23/2 Agricultural Machinery – Common Tests
*X390.6, Tractors and machinery for agriculture and forestry - Basic types – Definitions

MS-23/2/1, Environment within Ag Vehicle Enclosures
X613-4, Tractors and self-propelled machinery for agriculture — Air quality systems for cabs — Part 4: Field qualification of a cab

MS-23/2/2, ATSC ROPS
X27850, Tractors for agriculture and forestry — Falling object protective structures — Test procedures and performance requirements

MS-23/4, Tractors
X5675, Agricultural tractors and machinery — General purpose quick-action hydraulic couplers (MS-23/4/4 expertise)
*X6489-3, Agricultural vehicles — Mechanical connections between towed and towing vehicles — Part 3: Tractor drawbar (MS-23/4/5 expertise)
*X11001P1, Agricultural wheeled tractors — Three-point hitch couplers — Part 1: U-frame coupler (Replaces ANSI/ASAE S278.7)

MS-23/4/1, Agricultural Equipment Braking
*X365.10, Braking System Test Procedures and Braking Performance Criteria for Agricultural Field Equipment
MS-23/4/3, Lighting and Marking
*X276.8, Slow-Moving Vehicle Identification Emblem
*X279.18, Lighting and Marking of Agricultural Equipment on Highways

MS-23/4/5, Tractor Implement Interface/PTO
*X625.1, Drawbar Pin Dimensions and Requirements for Towed Equipment

MS-23/6, Application Systems
*X572.2, Spray Nozzle Classification by Droplet Spectra
X573, Procedures for Evaluating Rate Granular Material Application Accuracy (Joint with MS-54)
X620, Safety for Anhydrous Ammonia Application Equipment

MS-23/6/1, Liquid Materials Application
*X592.1, Best Management Practices for Boom Spraying
X641, Droplet Size Classification of Aerial Application Nozzles

MS-23/7, Harvest
X639, Safety Standard for Large Row Crop Flail Mowers
X4254P12, Agricultural machinery — Safety — Part 12: Rotary disc and drum mowers and flail mowers
X17101P1, Agricultural machinery — Thrown-object test and acceptance criteria — Part 1: Rotary mowers
X17101P2, Agricultural machinery — Thrown-object test and acceptance criteria — Part 2: Flail mowers

MS-23/7/1, Grain Harvesting
*X396.3, Combine Capacity and Performance Test Procedure

MS-23/7/2, Forage & Biomass Engineering
*X315.5, Agricultural Baling Twine for Automatic Balers
*X328.3, Dimensions for Compatible Operation of Harvesters, Transporters, Blowers, and Baggers of Forage and Biomass

MS-23/7/3, Cotton Engineering
*X582.1, Cotton Gins - Method of Utilizing Emission Factors in Determining Emission Parameters
X647, Seed Cotton Module Identification System

MS-23/14, Ag Machinery – Symbols, Displays and Manuals
X3600, Tractors, machinery for agriculture and forestry, powered lawn and garden equipment — Operator’s manuals — Content and format

MS-48, Specialty Crop Engineering
*X475.2, Design and Management of Storages for Bulk, Fall-Crop, Irish Potatoes

MS-49, Crop Production Systems, Machinery, and Logistics
*X225.2, Chisel Plow, Field and Row Crop Cultivator Shanks and Ground Tool Mountings
*X497.8, Agricultural Machinery Management Data
X645, Precision Planter Testing Terminology and Methods

MS-54, Precision Agriculture
X573, Procedures for Evaluating Variable Rate Granular Material Application Accuracy (Joint with MS-23/6)
X611, Standard for Mapping Yield and Associated Data

NRES-03
X643, Putting Green and Sports Field Design and Construction
NRES-225, Conservation Services
  *X425.1, Underground Outlets for Conservation Practices

NRES-241, Sprinkler Irrigation
  *X436.2, Center Pivot and Lateral Move Irrigation Distribution Uniformity Test Procedure

NRES-244, Irrigation Management
  X632, Agricultural Irrigation Data Exchange

NRES-245, Microirrigation
  *X405.2, Design and Installation of Microirrigation Systems

NRES-246, Turf & Landscape Irrigation
  X626, Uniformity Test for Landscape Irrigation Systems
  X627, Weather-based Landscape Irrigation Control Devices
  X633, Testing Protocol for Landscape Irrigation Soil Moisture Sensors

NRES-27, Byproducts & Animal Mortality Systems
  *X292.6, Uniform Terminology for Organic Waste Management
  *X393.4, Manure Storages
  X594, Closure of Earthen Animal Waste Impoundment

PAFS-20, Structures Group
  *X412.2, Ladders, Cages, Walkways, and Stairs
  *X433.1, Loads Exerted by Free-Flowing Grain on Bins
  *X484.3, Diaphragm Design of Metal-Clad, Wood-Frame Rectangular Buildings
  X624, Grain Bin Access Design Safety

PAFS-20/4, Bulk Solids Handling and Storage
  X636, Bulk Material Physical Properties

PAFS-403, Dairy Facilities and Systems
  *X444.2, Terminology and Recommendations for Freestall Dairy Housing, Freestall, Feed Bunks, and Feeding Fences

PAFS-403/1, Milk Handling Equipment
  *X5707, Milking machine installations – Construction and performance
  *X20966, Automatic milking installations – Requirements and testing

PRS-701, Physical Properties of Ag and Biological Products
  X606, Properties and Relationships for Distillers Dried Grains with Solubles (DDGS)