CURRENT ASABE STANDARDS PROJECTS

April 18, 2017

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.

**ES-220, Biomass Energy & Industrial Byproducts**  
X564, Methods for Determining Properties of Plant-Derived (Biomass) Combustible Solid Fuels  
*X552.2, Reporting of Fuel Properties When Testing Diesel Engines with Alternative Fuels Derived from Plant Oils and Animal Fats

**ES-238, Solid Biofuels**  
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, Definition of Metrics of Radiation for Plant Growth (Controlled Environment Horticulture) Applications  
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**  
*X361.4, Safety for Portable Agricultural Auger Conveying Equipment

**MS-23/2 Agricultural Machinery – Common Tests**  
X3463, Tractors for agriculture and forestry -- Roll-over protective structures (ROPS) -- Dynamic test method and acceptance conditions  
X5700, Tractors for agriculture and forestry — Roll-over protective structures — Static test method and acceptance conditions  
X12003-1, Agricultural and forestry tractors — Roll-over protective structures on narrow-track wheeled tractors — Part 1: Front-mounted ROPS  
X12003-2, Agricultural and forestry tractors — Roll-over protective structures on narrow-track wheeled tractors — Part 2: Rear-mounted ROPS

**MS-23/2/1, Environment within Ag Vehicle Enclosures**  
*X613-3.1, Tractors and self-propelled machinery for agriculture — Air quality systems for cabs — Part 3: Filters for environmental cab HVAC systems  
X613-4, Tractors and self-propelled machinery for agriculture — Air quality systems for cabs — Part 4: Field qualification of a cab

**MS-23/4, Tractors**  
*X5673P1 2017Rev Agricultural tractors and machinery — Power take-off drive shafts and power-input connection — Part 1: General manufacturing and safety requirements  
*X6489-3, Agricultural vehicles — Mechanical connections between towed and towing vehicles — Part 3: Tractor drawbar (MS-23/4/5 expertise)  
*X26322P2 2017Rev, Tractors for agriculture and forestry — Safety — Part 2: Narrow-track and small tractors
MS-23/4/3, Lighting and Marking
* X279.18, Lighting and Marking of Agricultural Equipment on Highways
* X584.4, Agricultural Equipment: Speed Identification Symbol (SIS)

MS-23/4/5, Tractor Implement Interface/PTO
* X625.1, Drawbar Pin Dimensions and Requirements for Towed Equipment
X638, Pintle Hitch for Agricultural Field Equipment

MS-23/6, Application Systems
* X327.5, Terminology & Definitions for Application of Crop or Forestry Production & Protection Agents
X573, Procedures for Evaluating Rate Granular Material Application Accuracy (Joint with MS-54)

MS-23/6/1, Liquid Materials Application
* X572.2, Spray Nozzle Classification by Droplet Spectra
X641, Droplet Size Classification of Aerial Application Nozzles

MS-23/7, Harvest
* X639.1, Safety Standard for Large Row Crop Flail Mowers

MS-23/7/1, Grain Harvesting
* X211.7, V-Belt and V-Ribbed Belt Drives for Agricultural Machines

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-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
* X497.8, Agricultural Machinery Management Data

MS-54, Precision Agriculture
X573, Procedures for Evaluating Variable Rate Granular Material Application Accuracy (Joint with MS-23/6)
* X579.2, Yield Monitor Field Test Engineering Procedure
X611, Standard for Mapping Yield and Associated Data

MS-58, Agricultural Equipment Automation
* X455WD, Environmental Considerations in Development of Mobile Agricultural Electrical/Electronic Components

NRES-03
X643, Putting Green and Sports Field Design and Construction

NRES-21
X621, Guidelines for Calibrating, Validating, and Evaluating Hydrologic and Water Quality Models

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
X627, Weather-based Landscape Irrigation Control Devices
X633, Testing Protocol for Landscape Irrigation Soil Moisture Sensors

NRES-27, Byproducts & Animal Mortality Systems
*X403.5, Design of Anaerobic Lagoons for Animal Waste Management

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

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

PRS-702, Crop & Feed Processing & Storage
*X271.3, Psychrometric Data