

CURRENT ASABE STANDARDS PROJECTS

January 2009

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.

AGRICULTURAL EQUIPMENT

PM-03/2, Farm Materials Handling

*X361.4 Safety for Portable Agricultural Auger Conveying Equipment

PM-23/2/1, Environment Within Ag Vehicle Enclosures

X613 Tractors and Self-Propelled Machinery for Agriculture-Air Quality Systems for Cabs

PM-23/2/2, ATSC ROPS Subcommittee

X5700 Tractors for agriculture and forestry-Roll-over protective structures (ROPS) - Static test method and acceptance conditions

X3463 Tractors for agriculture and forestry-Roll-over protective structures (ROPS)-Dynamic test method and acceptance conditions

PM-23/4, Tractors

*X203.15 Agricultural tractors—Rear-mounted power take-off types 1, 2 and 3—Part 1: General specifications, safety requirements, dimensions for master shield & clearance zone

XISO500-2 Agricultural tractors—Rear-mounted power take-off types 1, 2 and 3—Part 2: Narrow-track, dimensions for master shield & clearance zones

XISO500-3 Agricultural tractors—Rear-mounted power take-off types 1, 2 and 3—Part 3: Main PTO dimensions & spline dimensions location of PTO

*X513.1WD Agricultural Wheeled Tractors-Front-Mounted Linkage
X609 Agricultural wheeled tractors-Front-mounted equipment-Part 1: Power take-off and three-point linkage

X8759P2 Agricultural wheeled tractors-Front-mounted equipment-Part 2: Stationary equipment connection

*X278.8 Agricultural wheeled tractors and implements—Three-point hitch couplers-Part 1: U-frame couplers

*X385.5WD Combine Harvester Tire Loading and Inflation Pressures

*X390.5 Definitions and Classifications of Agricultural Field
*X430.1WD Agricultural Equipment Tire Loading and Inflation Pressures

*X482.1 Agricultural vehicles—Mechanical connections between towed and towing vehicles—Part 3: Tractor drawbar (ISO 6489-3:2004).

X26322P3 Tractors for agriculture and forestry-Safety requirements-Part 3: Higher speed tractors

PM-23/4/1, Agricultural Equipment Braking

*X365.9 Braking System Test Procedures and Braking Performance Criteria for Agricultural Field Equipment

PM-23/4/3, Lighting & Marking

*X276.7 Slow Moving Vehicle Identification Emblem

PM-23/4/5, Tractor Implement Interface/PTO

X604 Safety For Power Take-Off (PTO), Implement Input Driveline (IID), Implement Input Connection (IIC), And Auxiliary Power Take-Off (Aux. PTO)

PM-23/6, Application Systems

*X341.4 Procedure for Measuring Distribution Uniformity and Calibrating Granular Broadcast Spreaders

*X572.1 Spray Nozzle Classification by Droplet Spectra

X573 Procedures for Evaluating Variable Rate Granular Material Application Accuracy (Joint with PM-54)

PM-23/7/1, Grain Harvesting

X598 Method of Determining Percent Commingled Grain After Cleanout of Combine Harvesters

PM-23/7/2, Forage & Biomass Engineering

*X328.3 Dimensions for Compatible Operation of Forage Harvesters, Forage Wagons, and Forage Blowers

*X424.2 Determining and Expressing Particle Size Distribution of Forage and Biomass Materials by Dry Sieving

X498 Terminology and Specifications-Definitions for Round Balers
X532 Net for Round Balers

PM-42, Cultural Practices Equipment

*X414.2 Terminology and Definitions for Agricultural Tillage Implements

X506 Terminology and Definitions for Planters, Drills, and Seeders

PM-43, Farm Machinery Management

*497.6 Agricultural Machinery Data

PM-52, Turf and Landscape Equipment Systems

X599 Standardized Development Performance of an Automatically Deployable ROPS for Agricultural and Turf and Landscape Equipment

PM-54, Precision Agriculture

X573 Procedures for Evaluating Variable Rate Granular Material Application Accuracy (Joint with PM-23/6)

X579 Yield Monitor Field Test Engineering Procedure

X605 GPS Based Auto-Guidance Systems Testing

X611 Standard for Mapping Yield and Associated Data

PM-58, Agricultural Equipment Automation

*X455.1 Environmental Considerations in Development of Mobile Agricultural Electrical/Electronic Components

ESH-03/2, Ergo., Safety & Health Internal Standards Devl.

*X318.17 Safety for Agricultural Field Equipment

*X15077 Tractors and self-propelled machinery for agriculture—Operator controls—Actuating forces, displacement, location and method of operation

FPE-712, Speciality Crop Post-harvest Engineering

X600 Standard Collapsible Reusable Plastic Containers for Handling of Fruits and Vegetables

*Project to revise an existing ASABE document.

IET-441, Milk Handling Equipment

*X6690	Milking machine installations—Mechanical tests
*X518.3	Milking Machine Installations—Construction and Performance
X614	Automatic milking installations—Requirements and testing

T-11, Energy

X612	Performing On-Farm Energy Audits
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T-12, Forest Engineering

X516	Terminology for Forest Operations and Equipment
X540	Terminology for Performance Evaluation of Forest Operations and Equipment

FOOD AND PROCESS ENGINEERING**FPE-03, Food and Process Engineering Division Standards**

AG9000	Quality Management Systems for Crop Production
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FPE-701, Physical Properties of Agricultural Products

*X358.3	Moisture Measurement—Forages
X606	Properties and Relationships for Distillers Dried Grains with Solubles (DDGS)

FPE-702, Crop & Feed Processing & Storage

*X410.2	Moisture Measurement—Peanuts
*X521.1	Method for Determining Peanut Blanchability
X546	Terminology for Grain Drying, Handling, and Storage

FPE-709, Biomass Energy & Industrial Products

*X552.1	Reporting and Testing of Fuel Properties When Testing Diesel Engines With Alternative Fuels Derived from Biological Materials
X564	Properties of Biomass used as Solid Fuel Combustion

STRUCTURES, LIVESTOCK, AND ENVIRONMENT**SE-03, Structures & Environment Division Standards**

X523	Grain Bin Safety Standard (Joint with ESH-03/2)
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SE-20, Structures Group

*X378.4	Floor and Suspended Loads on Agricultural Structures Due to Use
*X412.2	Ladders, Cages, Walkways, and Stairs
*X413.2	Procedure for Establishing Volumetric Capacities of Cylindrical Grain Bins
*X433.1	Loads Exerted by Free-Flowing Grain on Bins
*X486.2	Shallow Post Foundation Design
X537	Loads on Farm Tower Silos

SE-302, Environment of Animal Structures

X567	Standard Design and Performance of Livestock Mechanical Ventilation Systems
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SE-303, Environment of Plant Structures

*X406.5	Heating, Ventilating and Cooling Greenhouses
*X460.1	Commercial Greenhouse Design and Layout

SE-305, Environment Air Quality

X588	Uniform Terminology for Air Quality
X590	Development of Odor Intensity Determination Standard

SE-404, Swine Housing

*X470.1	Manure Storage Safety
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SE-412, Agricultural Waste Management

*X292.6	Uniform Terminology for Organic Waste Management
*X403.4	Design of Anaerobic Lagoons for Animal Waste Management
*X466.2	Nomenclature/Terminology for Livestock Manure Handling Equipment
X585	Animal Mortality Composting

ESH-03/2, Ergo., Safety & Health Internal Standards Devl.

X523	Farm Grain Bin Storage Safety (Joint with SE-03)
X607	Fan Ventilation of Confined-Space Manure Storages for Safe Entry

SOIL AND WATER RESOURCE MANAGEMENT**SW-225, Conservation Systems**

X425	Underground Outlets for Conservation Systems
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SW-23, Drainage Group

*X463.2	Design, Construction, and Maintenance of Subsurface Drains in Arid and Semiarid Areas
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SW-241, Sprinkler Irrigation

X531	Planning, Design, Operation, and Management of Low-Energy Precision Application (LEPA) Irrigation Systems
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SW-243, Irrigation Water Supply & Conveyance

*X340.3	Installation of Flexible Membrane Linings
*X376.3	Design, Installation and Performance of Underground, Thermoplastic Irrigation Pipelines
X577	Specification for Poly (Vinyl Chloride) (PVC) Plastic Irrigation Pipe (PIP) Fittings

SW-244, Irrigation Management

*X409.2	Safety Devices for Chemigation (Joint with PM-23/6, Lead SW-244)
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SW-245, Microirrigation

*X435.1	Polyethylene Pipe Used for Microirrigation Laterals
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PM-23/6, Application Systems

*X409.2	Safety Devices for Chemigation (Joint with SW-244, Lead SW-244)
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PM-45, Soil Dynamics Research

*X542.1	Procedure for Using and Reporting Data Obtained with Soil Care Penetrometer
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*Project to revise an existing ASABE document.