List of Popular ISA Standards

The Top 20 “standards”

- ISA 5.1 – P&IDs and tagging
- ISA 5.2 – Binary Logic Control Diagrams
- ISA 5.4 – Instrument Loop Diagrams
- ISA 7 – Instrument air
- ISA 12 – Electrical equipment for hazardous locations, incl. intrinsically safe wiring (part of US Electrical Code)
- ISA 18.2 – Alarm Management
- ISA 20 – Instrumentation Specification Forms
- ISA 50 – Electrical control signals (defines the 4-20mA signal)
- ISA 75 – Control valve design, specification and testing
- ISA 77 – Power plant control systems
- ISA 84 – Safety Instrumented Systems (SIS)
- ISA 88 – Batch Control Systems
- ISA 95 – Enterprise Integration
- ISA 96 – Valve Actuators
- ISA 99 – Control Systems Cyber Security
- ISA 100 – Wireless Transmitters Standard
- ISA 101 – HMI Design (in progress)
- ISA 105 – Commissioning
- ISA 106 – Procedural Automation
- ISA 108 – Intelligent Devices (in progress)

* listing is not meant to be exhaustive, and does not include popular ISA technical reports or recommended practice documents.

List of ISA Standards Committees

ISA2, Manometer Tables
ISA5, Documentation of Measurement and Control Instruments and Systems
ISA7, Instrument Air Standards Committee
ISA12, Electrical Equipment for Hazardous Locations
ISA18, Instrument Signals and Alarms
ISA20, Instrument Specifications Standards
ISA37, Measurement Transducers
ISA42, Nomenclature for Instrument Tube Fittings
ISA50, Signal Compatibility of Electrical Instruments
ISA52, Environments for Standards Laboratories
ISA60, Control Centers
ISA67, Nuclear Power Plant Standards
ISA71, Environmental Conditions for Process Measurement and Control
ISA74, Continuous Weighing Instrumentation
ISA75, Control Valve Standards
ISA76, Composition Analyzers
ISA77, Fossil Power Plant Standards
ISA82, Electrical and Electronic Instrumentation
ISA84, Electrical/Electronic/Programmable Electronic Systems (E/E/PES) for Use in Process Safety Applications
ISA88, Batch Control Systems
ISA90, Instrumentation and Computer Grounding
ISA91, Criticality Ranking for Instrumentation
ISA92, Performance Requirements for Industrial Air Measurement Instrumentation Related to Health and Safety
ISA93, Sealing Technologies Committee
ISA95, Enterprise/Control Integration Committee
ISA96, Valve Actuator Committee
ISA97, In-Line Sensors Committee
ISA98, Personnel Certification Standards Committee (ISA CAP & CCST Certifications)
ISA99, Industrial Automation and Control Systems Security
ISA100, Wireless Systems for Automation
ISA101, Human-Machine Interface
ISA102, High-Power Research & Development Electrical Systems Standards
ISA103, Field Device Tool Interface
ISA104, Device Integration
ISA105, Commissioning, Loop Checks, and Factory & Site Acceptance/Integration Tests for Industrial Automation Systems
ISA106, Procedure Automation for Continuous Process Operations
ISA107, Advanced Measurement Techniques for Gas Turbine Engines
ISA108, Intelligent Device Management
ISA111, Unified Automation for Buildings

* listing does not include standards sub-committees, working groups, task forces or liaison committees