

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)
- ISA75 – Control valve design, specification and testing
- ISA77 – Power plant control systems
- ISA84 – Safety Instrumented Systems (SIS)
- ISA88 – Batch Control Systems
- ISA95 – Enterprise Integration
- ISA96 – Valve Actuators
- ISA99 – Control Systems Cyber Security
- ISA100 – Wireless Transmitters Standard
- ISA101 – HMI Design (in progress)
- ISA105 – Commissioning
- ISA106 – Procedural Automation
- ISA108 – 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 Specification Forms](#)

[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