

Acronyms of Organizations Common to Instrumentation

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| A&T | Automation & Technology Department of ISA |
| AALA | American Association for Laboratory Accreditation |
| AAEE | American Academy of Environmental Engineers |
| AAMA | American Architectural Manufacturers Association |
| ABC | Associated Builders & Contractors |
| ABET | Accreditation Board for Engineering and Technology |
| ABIH | American Board of Industrial Hygiene |
| ABMA | American Boiler Manufacturers Association |
| ACC | American Chemistry Council |
| ACGIH | American Conference of Governmental Industrial Hygienists |
| ACI | American Concrete Institute |
| ACIL | American Council of Independent Laboratories, Inc. |
| ACOS | Automatic Control Systems Division of ISA |
| ACS | American Chemical Society |
| AD | Analysis Division of ISA |
| AEA | American Electronics Association |
| AECL | Atomic Energy Commission Limited |
| AFS | American Filtration & Separation (Society) |
| AFT2E | Association of Federal Technology Transfer Executives |
| AGA | American Gas Association |
| AIA | Automated Imaging Association, Analytical Instruments Association, American Institute of Architects |
| AIAA | American Institute of Aeronautics and Astronautics |
| AIChE | American Institute of Chemical Engineers |
| AIHA | American Industrial Hygiene Association |
| AIS | International Association of the Soap and Detergent Industry |
| AISC | American Institute of Steel Construction |
| AISE | Association of Iron and Steel Engineers |
| AISG | American Insurance Services Group |
| AISI | American Iron and Steel Institute |
| AMA | American Medical Association, American Management Association |
| ANS | American Nuclear Society |
| ANSI | American National Standards Institute |
| ANZSMS | Australia and New Zealand Society for Mass Spectrometry |
| APF | Association of Professional Futurists |
| API | American Petroleum Institute |
| APPA | American Public Power Association |
| AQIRP | Auto/Oil Quality Improvement Research Program |
| AREAL | Atmospheric Research and Exposure Assessment Laboratory (USA) |
| ARINC | Aeronautical Radio, Inc. |
| ARRL | American Radio Relay League |
| ASAE | American Society of Agricultural Engineers |
| ASD | Aerospace Industries Division of ISA |
| ASE | Alliance to Save Energy |
| ASEE | American Society for Engineering Education |
| ASES | American Solar Energy Society |
| ASGMT | American School of Gas Measurement Technology |
| ASHRAE | American Society of Heating, Refrigerating, and Air Conditioning Engineers |

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| AS-I | Actuator-Sensor Interface |
| ASME | American Society of Mechanical Engineers |
| ASMS | American Society for Mass Spectrometry |
| ASQC | American Society for Quality Control |
| ASSE | American Society of Sanitary Engineering, American Society of Safety Engineers |
| ASTM | American Society for Testing and Materials, American Society for the Testing of Materials |
| ATA | Airline Transport Association (USA) |
| ATBC | Association of Technology Business Councils |
| AVS | American Vacuum Society |
| AWMA | Air and Waste Management Association |
| AWS | American Welding Society |
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| BASEEFA | British Approvals Service for Electrical Equipment in Flammable Atmospheres |
| BCIT | British Columbia Institute of Technology (Canada) |
| BIRA | Belgian Institute for Automatic Control |
| BOCA | Building Officials and Code Administrators International |
| BOMA | Building Owners and Managers Association |
| BSI | British Standards Institute |
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| CABO | Council of American Building Officials |
| CAMP | Consortium for the Advancement of Manufacturing of Pharmaceuticals |
| CANARIE | Canadian Network for the Advancement of Research, Industry, and Education (Canada) |
| CANDU | Canada Deuterium Uranium |
| CANUTEC | Canadian Transport Emergency Center (Canada) |
| CARB | California Air Resources Board (USA) |
| CAS | Chemical Abstracts Service (American Chemical Society) |
| CBEMA | Computer Business Equipment Manufacturer Association |
| CCC | Coastal Coordination Council (Texas, US) |
| CCITT | Consultative Committee for International Telephony & Telegraph |
| CCPS | Center for Chemical Process Safety |
| CEA | Canadian Electrical Association |
| CEC | California Energy Commission (California, US) |
| CEFIC | European Council of Chemical Manufacturer's Federations |
| CEN | European Committee for Standardization, Committee for European Norm |
| CENELEC | European Committee for Electrotechnical Standardization, Comitee European de Normalisation Electrotechnique |
| CEPP | Chemical Emergency Preparedness and Prevention Office |
| CERA | Cambridge Energy Research Association |
| CESB | Council of Engineering and Scientific Specialty |
| CGA | Compressed Gas Association |
| CHEMPID | Chemical and Petroleum Industries Division of ISA |
| CHEMTREC | Chemical Transportation Emergency Center |
| CIS | Construction Specifications Institute |
| CKRC | Cement Kiln Recycling Coalition |
| CLSA | Canadian Laboratory Supplies Association (Canada) |
| CMA | Chemical Manufacturers Association |
| COAST | Coastal Oxidant Assessment for Southeast Texas |
| COMPUTEC | Computer Technology Division of ISA |

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| CONDES | Construction and Design Division of ISA |
| CORM | Council on Optical Radiation Measurement |
| COS | Corporation for Open Systems International |
| CPAC | Center for Process Analytical Chemistry (University of Washington) |
| CSA | Canadian Standards Association |
| CSB | Chemical Safety & Hazard Investigation Board (USA) |
| CSIA | Control System Integrator Association |
| CTI | Cooling Tower Institute |
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| DARPA | Defense Advanced Research Projects Agency |
| DART | Dallas Area Rapid Transit (USA) |
| DEMKO | Danmark Elektriske Material Kontrol (Denmark) |
| DHS | Department of Homeland Security (USA) |
| DIN | Deutsche Industrie Normenausschuss (The Standards Institution of Germany) |
| DOC | Department of Commerce (USA) |
| DOD | Department of Defense (USA) |
| DOE | Department of Energy (USA) |
| DOT | Department of Transportation (USA) |
| DPS | Department of Public Safety (USA) |
| DRI | Desert Research Institute |
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| EASA | European Aviation Safety Agency |
| EC | European Commission |
| ECNE | Electric Council of New England |
| EEI | Edison Electric Institute |
| EIA | Electrical Industries Alliance, Electronics Industries Association |
| ELEOP | Electro-Optics Division of ISA |
| ELQTF | Engineering Licensure Qualifications Task Force |
| EMB | Emissions Measurements Branch (USA EPA) |
| EPA | Environmental Protection Agency (USA) |
| EPRI | Electric Power Research Institute |
| ERG | Eastern Research Group |
| ESA | European Space Agency |
| ETSI | European Telecommunications Standards Institute |
| ETL | Electrical Testing Laboratories |
| EU | European Union |
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| FAA | Federal Aviation Administration (USA) |
| FACSS | Federation of Analytical Chemistry and Spectroscopy Societies |
| FCC | Federal Communications Commission (USA) |
| FCI | Fluid Controls Institute |
| FDA | Food & Drug Administration (USA) |
| FERC | Federal Energy Regulatory Commission (USA) |
| FF | Foundation Fieldbus |
| FIFRA | Federal Insecticide, Fungicide and Rodenticide Act |
| FM | Factory Mutual |
| FMRC | Factory Mutual Research Corp. |
| FPID | Food and Pharmaceutical Industries Division of ISA |
| FRA | Federal Railroad Administration |
| FSA | Fluid Sealing Association |

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| FTC | Federal Trade Commission |
| G7 | The “Group of Seven” leading industrialized nations (Canada, France, Germany, Italy, Japan, United Kingdom, United States of America) |
| G8 | The “Group of Eight” leading industrialized nations (Canada, France, Germany, Italy, Japan, Russia, United Kingdom, United States of America) |
| G&C | Glass and Ceramics Industries Division of ISA |
| GAO | Government Accountability Office USA), General Accounting Office (USA) |
| GPSA | Gas Processors Suppliers Association |
| GSA | General Services Administration |
| GSM | Groupe Speciale Mobile, Global System for Mobile Communications |
| GTI | Gas Technology Institute |
| HDEWG | Heavy Duty Engine Working Group |
| HGAC | Houston/Galveston Area Council |
| HI | Hydraulic Institute |
| HIMA | Health Industries Manufacturer's Association |
| HMIP | Her Majesty's Inspectorate of Pollution (England) |
| HSE | Health and Safety Executive (UK equivalent of OSHA) |
| I&S | Industries & Sciences Department of ISA |
| IAEI | International Association of Electrical Inspectors |
| IAETL | International Association of Environmental Testing Laboratories |
| ICAC | Institute of Clean Air Companies |
| ICANN | Internet Corporation for Assigned Names and Numbers (USA) |
| ICBO | International Conference of Building Officials |
| ICC | International Chamber of Commerce |
| ICEA | Insulated Cable Engineers Association |
| ICH | International Conference on Harmonization |
| ICS | Industrial Computing Society |
| IDSA | Industrial Designers Society of America |
| IEC | International Electrotechnical Commission |
| IEC TC57 | International Electrotechnical Commission Technical Committee 57 |
| IEE | Institute of Electrical Engineers (UK) |
| IEEE | Institute of Electrical & Electronic Engineers |
| IES | Illuminating Engineering Society, Institute of Environmental Sciences |
| IETF | Internet Engineering Task Force |
| IFAC | International Federation of Automatic Control |
| IFC | International Fieldbus Consortium |
| IFPAC | International Forum of Process Analytical Chemistry |
| IMO | International Maritime Organization |
| IMQ | Italy Standards Organization |
| INEL | Idaho National Engineering Laboratory |
| INEM | International Network for Environmental Management |
| IORC | Inter-Organizational Relations Committee |
| IP | Institute of Petroleum (UK) |
| IPAO | Integrated Process Analytics Organization |
| IPC | Institute for Interconnecting and Packaging Electronic Circuits |
| ISA | Instrumentation, Systems, & Automation Society |

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| ISACA | Information Systems Audit and Control Association |
| ISAI | Instrument, Systems, & Automation International Society |
| ISASI | Instrument, Systems, & Automation Services, Inc. |
| ISC | Intersociety Committee |
| ISHM | International Society for Hybrid Microelectronics, International School of Hydrocarbon Measurement |
| ISO | International Standards Organization |
| ISO OSI | International Standards Organization Open Systems Interface |
| ISP | Interoperable System Project |
| ISRI | Institute of Scrap Recycling Industries |
| ITC | Instituto Tecnologia Ceramica (Spain) |
| IUPAC | International Union of Pure and Applied Chemistry |
| JECEC | Joint Electronic Device Engineering Council |
| JEITA | Japan Electronics and Information Technology Association |
| JTAG | Joint Test Action Group |
| KEMA | Netherlands Standards Organization |
| LCIE | France Standards Organization |
| LEOMA | Laser and Electro-Optics Manufacturer's Association |
| M&CS | Measurement & Control Society |
| M&CSI | Measurement & Control Society International |
| M&S | Marketing and Sales Division of ISA |
| MAINT | Maintenance Division of ISA |
| MAN | Management Division of ISA |
| MCEC | Measurement & Control Engineering Center (University of Tennessee) |
| METC | Morgantown Energy Technology Center (USA) |
| MID | Metal Industries Division of ISA |
| MIMOSA | Machinery Information Management Open Systems Alliance |
| MMD | Mining and Metallurgy Division of ISA |
| MRI | Midwest Research Institute (USA) |
| MSS | Manufacturers Standardization Society |
| MTI | Materials Technology Institute |
| NACE | North American Commission on the Environment, National Association of Corrosion Engineers |
| NAIMA | North American Insulation Manufacturers Association |
| NAIT | Northern Alberta Institute of Technology |
| NAMUR | Normen Arbeitsgen Mess Und Regeltechnik (Standards work group for Instrumentation and Controls - Germany) |
| NARUC | National Association of Regulatory Utility Commissioners |
| NAS | National Academy of Sciences (USA) |
| NASA | National Aeronautics and Space Administration (USA) |
| NASUCA | National Association of State Utility Consumer Advocates |
| NBS | National Bureau of Standards (USA) |
| NCA | National Coal Association |
| NCBI | National Center for Biotechnology Information (USA) |
| NCCLS | National Committee for Clinical Laboratory Standards |

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| NCEES | National Council of Examiners for Engineering |
| NCEPI | National Center for Environmental Publications and Information |
| NCMS | National Center for Manufacturing Sciences |
| NCRT | National Center for Advanced Technology |
| NCSL | National Conference of Standards Laboratories |
| NEC | National Electrical Code, International Electrotechnical Commission |
| NELPA | Northwest Electric Light and Power Association |
| NEMA | National Electrical Manufacturers Association |
| NEMKO | Norges Elektriske Materiallkontroll (Norway) |
| NERC | North America Electric Reliability Council |
| NESEA | Northeast Sustainable Energy Association |
| NFC | Norwegian Fieldbus Consortium |
| NFPA | National Fire Protection Association, National Fluid Power Association |
| NIE | National Institute for the Environment |
| NIGMS | National Institute of General Medical Sciences (USA) |
| NIGS | National Institute of Government Planning |
| NIH | National Institute of Health (USA) |
| NIOSH | National Institute for Occupational Health and Safety (USA) |
| NIST | National Institute of Standards and Technology (USA) |
| NIST PCSRF | National Institute of Standards and Technology Process Control Security Requirements Forum (USA) |
| NOAA | National Oceanic & Atmospheric Administration (USA) |
| NPC | National Petroleum Council |
| NPRA | National Petroleum & Refiners Association |
| NRA | National Rifle Association (USA), National Rivers Authority (England) |
| NRC | National Research Council, Nuclear Regulatory Commission (USA) |
| NRECA | National Rural Electric Cooperative Association |
| NSA | National Security Agency |
| NSF | National Science Foundation (USA), National Sanitation Foundation |
| NSFI | National Science Foundation International |
| NSPE | National Society of Professional Engineers |
| NSWMA | National Solid Waste Management Association |
| NTIS | National Technical Information Service |
| NTSC | National Television System Committee |
| NTTC | National Technology Transfer Center |
| NWS | National Weather Service |
| OAQPS | Office of Air Quality Planning and Standards |
| OASIS | Organization for the Advancement of Structured Information Standards |
| ODVA | Open Device Vendors Association |
| OECA | Office of Enforcement and Compliance Assurance (USA) |
| OECD | Organization for Economic Cooperation and Development |
| OIML | International Organization of Legal Metrology |
| OMAC | Open Modular Architecture Control (Users' Group USA) |
| OSCA | Optical Sensors Collaborative Association |
| OSHA | Occupational Safety and Health Administration (USA) |
| OSI | Open Systems Interconnection Division of ISA |
| OTAQ | Office of Transportation and Air Quality |
| OVDA | Open DeviceNet Vendor Association |
| OWMC | Ontario Waste Management Corporation |

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| PACDM | Process Analyzer Connectivity and Data Management Workgroup |
| PAR | Pharmaceutical Automation Roundtable |
| PCMCIA | Personal Computer Memory Card International Association |
| PDVSA | Petroles De Venezuela Sociedad Anonima (Venezuela's national petroleum company) |
| PEA | Pennsylvania Electric Association |
| PEMA | Process Equipment Manufacturers Association |
| PI | PROFIBUS International |
| PICMG | PCI Industrial Computer Manufacturers Group |
| PIRG | Public Interest Research Group (USA) |
| PMCD | Process Measurement and Control Division of ISA |
| POWID | Power Industries Division of ISA |
| PPAR | Pharmaceutical Process Analyzer Roundtable |
| PTB | Physikalisch-Technische Bundesanstalt (Germany) |
| PUPID | Pulp and Paper Industries Division of ISA |
| RAQCC | Regional Air Quality Coordinating Committee |
| RAQPC | Regional Air Quality Planning Committee |
| REMI | Regional Economic Modeling, Inc. |
| ROBEX | Robotics and Expert Systems Division of ISA |
| RRC | Railroad Commission (USA) |
| RSC | Royal Society of Chemistry (UK) |
| RSPA | Research and Special Programs Administration |
| SAA | Standards Association of Australia |
| SAE | Society of Automotive Engineers |
| SAGE | Strategic Advisory Group on the Environment |
| SAMA | Scientific Apparatus Manufacturers Association |
| SAS | Society for Applied Spectroscopy |
| SBCCI | Southern Building Code Congress International |
| SBSC | Small Business Survival Committee (USA) |
| SCAQMD | South Coast Air Quality Management District (Los Angeles, CA Area USA) |
| SCRAM | Support Center for Regulatory Air Models |
| SCS | Society for Computer Simulation |
| SEC | Securities and Exchange Commission |
| SEMCO | Sweden Standards Organization |
| SEMI | Semiconductor Equipment and Material International Association |
| SERC | Science and Engineering Research Council |
| SERCOS | |
| SETAC | Society of Environmental Toxicology and Chemistry |
| SETRPC | SouthEast Texas Regional Planning Commission |
| SIA | Semiconductor Industry Association |
| SID | Society for Information Display |
| SIRCH | Scientific Instrumentation & Research Division of ISA |
| SIRIJ | Semiconductor Industry Research Institute Japan |
| SMRP | Society for Maintenance & Reliability Professionals |
| SP (76) | Standards and Practices (Group of ISA) |
| SPE | Society of Petroleum Engineers |
| SPI | Society of the Plastics Industry |

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| SPIE | The International Society for Optical Engineering |
| SRC | Semiconductor Research Corporation |
| SRI | Southern Research Institute |
| TACB | Texas Air Control Board |
| TAG | Technical Advisory Group |
| TAPPI | Technical Association of the Pulp and Paper Industries |
| TC | Transport Canada |
| TCEQ | Texas Commission on Environmental Quality |
| TELCOM | Telemetry and Communications Division of ISA |
| TEMA | Tubular Exchanger Manufacturers Association |
| TEX | Textile Industries Division of ISA |
| TIA | Telecommunications Industry Association |
| TMD | Test Measurement Division of ISA |
| TMO | Transportation Management Organization |
| TNRCC | Texas Natural Resource Conservation Commission |
| TRP | Technology Reinvestment Project |
| TSA | Transportation Security Administration (USA) |
| TTI | Texas Transportation Institute |
| TUV | Technische Überwachungs-Verein (Technical Inspection Association of Germany) |
| TWC | Texas Water Commission |
| TWQB | Texas Water Quality Board |
| TxDOT | Texas Department of Transportation |
| UCC | Uniform Code Council |
| UCS | Ultra Clean Society |
| UL | Underwriters Laboratories |
| UN | United Nations |
| UNCSD | United Nations Commission on Sustainable Development |
| USCG | United States Coast Guard |
| USDA | United States Department of Agriculture |
| USGS | United States Geological Survey |
| USNC | United States National Committee (IEC) |
| USP | United States Pharmacopoeia |
| USP/NF | United States Pharmacopoeia/National Formulary |
| USTAG | United States Technical Advisory Group (IEC) |
| UTC | Utilities Telecommunications Council |
| VDE | Verband Deutscher Elektrotechniker - Association of German Electrotechnicians |
| VDI | Society of German Engineers |
| VL | Video Electronics Standards Association |
| VMA | Valve Manufacturers Association of America |
| W3C | World Wide Web Consortium |
| WAT | Working Party Analytical Techniques |
| WBF | World Batch Forum |
| WECA | Western Energy and Communication Association |
| WHO | World Health Organization |
| WORLDIFIP | |

WWF
WWID

World Wide Fund for Nature
Water and Wastewater Industries Division of ISA

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