

Acronyms of Terms Common to Instrumentation

A	Anion
A/D	Analog-to-Digital
A&E	Architects & Engineers
AA	Atomic Absorption
AAS	Atomic Absorption Spectroscopy
ABM	Asynchronous Balanced Mode
ABS	Acrylonitrile Butadiene Styrene, ABSolute
AC	Alternating Current
ACDS	Analyzer Control and Data System
ACID	Atomicity, Consistency, Isolation, and Durability
ACPM	Association Control Protocol Machine
ACR	Attenuation to Crosstalk Ratio
ACT	Alternative Control Technique
ADC	Analog-to-Digital Converter, Automatic Data Collection
ADO	Average Dipole Orientation
ADPCM	Adaptive Differential Pulse-Code Modulation
AE	Appearance Energy
AED	Atomic Emission Detector
AEPA	Alberta Environmental Protection and Enhancement Act (Canada)
AES	Atomic Emission Spectroscopy, Auger Electron Spectroscopy
AET	Acoustic Emission Technology
AF	Audio Frequency
AFC	Air Fail Closed, Automatic Frequency Control
AFD	Adjustable Frequency Drive
AFE	Authority For Expenditure
AFM	Atomic Force Microscope
AFO	Air Fail Open
AFS	Atomic Fluorescence Spectrometry
AFV	Alternative Fuel Vehicle
AGC	Automatic Gain Control
AGHIS	All Glass Heated Inlet System
AH	Analyzer House
AHDL	Analog Hardware Descriptive Language
AHJ	Authority Having Jurisdiction
AI	Analog Input
AIM	Automated Instrument Manager
AIRS	Aerometric Information Retrieval System
AIT	Autogenous Ignition Temperature, AutoIgnition Temperature
AL	Allowable Level
ALC	Automatic Level Control
ALD	Anoxic Limestone Drains
ALIS	Analytical Laboratory Integrated System
AM	Ante Meridiem, Amplitude Modulation
AM/FM	Automated Mapping/Facilities Maintenance
AMD	Automated Multiple Development, Acid Mine Drainage
AMLCD	Active-Matrix Liquid Crystal Display
AMP	AMPere, AMPlifier
AMS	Accelerator Mass Spectrometry, Adolescent Mass Spectrometrists

AMU	Atomic Mass Unit
AN	Auger Neutralization, Application Note
AO	Analog Output
AOI	Automated Optical Inspection
AOP	Advanced Oxidation Processes
AOTF	Acousto-Optic Tunable Filter
AOV	Air Operated Valve
AP	Application Process, Appearance Potential, Atmospheric Pressure
APA	Administrative Procedure Act
APC	Advanced Process Control
APCI	Atmospheric Pressure Chemical Ionization
APCS	Air Pollution Control System
APD	Avalanche Photodiode
API	Atmospheric Pressure Ionization, Application Programming Interface, Active Pharmaceutical Ingredient
APPI	Atmospheric Pressure Photoionization
AQL	Acceptable Quality Level
ARACT	Alternate Reasonably Available Control Technology
ARM	Asynchronous Response Mode
ARMS	Angle Resolved Mass Spectrometry
ARO	After Receipt of Order
ARPDB	Acid Rain Program Data Base
ARTIC	A Real-Time Interface Coprocessor
ASAP	As Soon As Possible
ASC	Area Source Categories
ASCII	American Standard Code for Information Interchange
ASGDIMS	Atmospheric Sampling Glow Discharge Ionization Mass Spectrometry
ASI	Actuator Sensor Interface
ASIC	Application Specific Integrated Circuit
ASK	Amplitude Shift Keying (modulation)
ASM	Acceleration Simulation Mode
ASMA	Abnormal Situation Management
ASN	Ammonium Sulfate Nitrate
AST	Alternate-site Testing, Aboveground Storage Tank
ATC	Air To Close, Air Traffic Control
ATE	Automated Test Equipment
ATEC	Authorized Technical Education Center (Microsoft)
ATERIS	Air Toxics Exposure & Risk Information System
ATEX	Atmosphere Explosible (France i.e., Potentially Explosive Atmosphere)
ATG	Automatic Test Generation
ATM	ATMosphere, Asynchronous Transfer Mode, Automated Teller Machine
ATO	Air To Open
ATP	Advanced Technology Program
ATR	Attenuated Total Reflection
ATTIC	Alternative Treatment Technology Information Center
AVP	Analyzer Validation Program
AVS	Accelerating Voltage Scan
AWG	American Wire Gauge, Arbitrary Waveform Generator
AXI	Automated X-ray Inspection

B	Magnetic Sector Mass Analyzer, Magnetic Sector Field Strength or Flux Density
B2MML	Business-to-Manufacturing Markup Language
BACnet	Building Automation Control network
BACM	Best Available Control Measure
BACT	Best Available Control Technology
BCC	Block Check Characters
BCD	Binary-Coded Decimal (Numbers)
BDAT	Best Demonstrated Available Technology
BEIS	Biogenic Emissions Inventory System
BEIS-2	Biogenic Emissions Inventory System, version 2
BELD	Biogenic Emissions Land Cover Database
BER	Bit Error Rate, Basic Encoding Rules
BERT	Bit Error Rate Test[er]
BeV	Billion Electron Volts (eV)
BFM	Balanced Flow Meter
BI	Business Intelligence
BIA	Bioluminescence Immunoassay
BIF	Boilers and Industrial Furnaces
BIOME	Biogenic Model for Emissions
BIOS	Basic Input Output System
BIT	Binary digit, Built In Test
BMP	Bitmap, Best Management Practices
BNC	Bayonet Neill-Concelman, Bayonet/Baby/British Naval Connector
BOGSAT	Bunch Of Guys Sitting Around Talking
BOB	Beginning Of Business (day)
BOD	Biological Oxygen Demand
BOM	Beginning Of Message, Bill of Materials
BP	Boiling Point
BPA	Beaumont/Port Arthur
BPCS	Basic Process Control System
BPD	Barrels Per Day
BPM	Business Process Management
BPS	Bits Per Second
BSOD	Blue Screen of Death (Computer term related to Windows NT lockup)
BTEX	Benzene, Toluene, Ethylbenzene, & Xylene
BTU	British Thermal Unit
BTW	By The Way
BTX	Benzene Toluene Xylene
BW	Bandwidth
BWC	Biological Weapons Convention
CAA	Clean Air Act
CAAA	Clean Air Act Amendments (1990)
CAD	Computer Assisted Design, Computer Aided Design
CAE	Computer Assisted Engineering, Computer Aided Engineering
CAGR	Compound Annual Growth Rate, Capital Asset Growth Rate
CAL	Calorie
Cal LEV	California Low Emission Vehicle
CALM	Collaborative Asset Lifecycle Management

CAM	Computer Assisted Manufacturing, Computer Aided Manufacturing, Compliance Assurance Monitoring
CAMAC	Computer-Automated Measurement And Control
CAMS	Continuous Air Monitoring Station
CAMU	Corrective Action Management Unit
CAMx	Comprehensive Air Model with Extensions
CAN	Controller Area Network
CAP	Certified Automation Professional (ISA)
CARE	Clean Air Responsibility Enterprise
CASE	Computer Aided Software Engineering
CAT	Computer Aided Test
CATV	Community Antenna TeleVision
CB	Circuit Breaker
CB-IV HC	Carbon Bond IV Hydrocarbon
CBM	Condition Based Maintenance
CBT	Computer Based Training
CCC	Coastal Coo
CCD	Charge Coupled Device
CCP	Critical Control Point
CCST	Certified Control System Technician (ISA)
CCT	Clean Coal Technologies
CD	Compact Disc, Configurable Diagnostic
CD-RW	Compact Disc Rewriteable
CDPD	Cellular Digital Packet Data
CDS	Conceptual Data Store, Chromatography Data System
CE	Communate Europeene “European Community” (French)
CEC	Canadian Electrical Code
CEM(S)	Continuous Emission Monitor(ing) (System)
CEO	Chief Executive Officer
CEPA	Canadian Environmental Protection Act (Canada)
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CEx	Capillary Extraction
CFC	ChloroFluoroCarbon, Current to Frequency Converter
CFD	Computational Fluid Dynamics
CFR	Code of Federal Regulations (USA)
CGA	Cylinder Gas Audit, Combustible Gas Analyzer
CGI	Common Gateway Interface, Computer Generated Imagery
CGM	Computer Graphics Metafile
CHS	Chlorinated Hydrocarbon Solvents
CI	Chemical Ionization, Central Impression
CIC	Combustion Ion Chromatography
CID	Charge Injection Device, Charge Injection Detector
CIDX	Chemical Industry Data eXchange (USA)
CIH	Certified Industrial Hygienist
CIM	Computer Integrated Manufacturing
CIO	Chief Information Officer
CIP	Clean In Place, Common Industrial Protocol
CISC	Complex Instruction Set Computer
CL	Center Line
CLC	Convective Liquid Chromatography

CLD	ChemiLuminescence Detector
CLM	Computer Link Module
CLP	Contract Laboratory Program
CLSM	Confocal Laser Scan Microscope
CM	Centimeter
CMAQ	Congestion Mitigation and Air Quality
CMMS	Computerized Maintenance Management Systems
CMOS	Complementary Metal Oxide Semiconductor
CMP	Code Making Panel (NEC)
CMR	Common Mode Rejection
CMRR	Common Mode Rejection Ratio
CMS	Continuous Monitoring System
CMSA	Consolidated Metropolitan Statistical Area
CMV	Common Mode Voltage
CMVR	Common Mode Voltage Ratio
CNC	Computer Numerical Control
CNG	Compressed Natural Gas
CO	Carbon Monoxide
COBRA	Common Object Request Broker Architecture
COD	Chemical Oxygen Demand
CODEC	Coder-Decoder
COGS	Cost Of Goods Sold
COM	COMputer, Common Object Model, Component Object Model, Communication
COMS	Continuous Opacity Monitoring System
CON	Connector
COO	Chief Operating Officer
COS	Change Of State (I/O)
COTS	Commercial Off-The-Shelf
CoUR	Cost of Unreliability
COV	Coefficient of Variation
CP	Centipoise, Cathodic Protection
CPDS	Certified Product Data Sheets
CPMS	Continuous Parametric Monitoring System
CPP	Critical Process Parameter
CPQRA	Chemical Process Quantitative Risk Analysis
CPS	Cycles Per Second, Characters Per Second
CPU	Central Processing Unit
CQA	Critical Quality Attributes
CR	Control Relay, Chloroprene Rubber, Carriage Return
CRADA	Cooperative Research and Development Activity
CRC	Cyclic Redundancy Check
CRDS	Cavity Ring-Down Spectroscopy
CRM	Customer Relationship Management
CRT	Cathode Ray Tube
CS	Carbon Steel
CSAT	Certified Specialist in Analytical Technology
CSE	Control System Engineer
CSHM	Certified Safety and Health Manager
CSI	Control System Integrator, Common Sense Initiative
CSM	Chlorosulfonated Polyethylene

CSMA/CD	Carrier Sense Multiple Access/Collision Detection
CSO	Chief Security Officer
CSP	Certified Safety Professional
CSV	Comma Separated Variable
CT	Current Transformer
CTG	Control Technique Guideline
CTS	Clear To Send
CV	Control Valve, control valve sizing factor
CW	Continuous Wave
CWA	Clean Water Act
CWC	Chemical Weapons Convention
CWDM	Coarse Wavelength Division Multiplexing
CYA	Cover Your Ass
CZE	Capillary Zone Electrophoresis
CZMP	Coastal Zone Management Plan (Texas, US)
D/A	Digital-to-Analog
D/DBP	Disinfectant and Disinfection By-Products rule
DAC	Digital-to-Analog Converter
DAP	Directory Access Protocol
DAQ	Data Acquisition
DAS	Data Acquisition System
DAU	Data Acquisition Unit
dB	Decibel
DBCP	1, 2-Dibromo-3-Chloropropane
DBF	Data Base Format, Data Base File
dBv	Decibel Voltage
DC	Direct Current
DCE	Data Communication Equipment, Distributed Computing Environment
DCL	DEC Command Language
DCOM	Distributed Common Object Model
DCS	Distributed Control System, Digital Control System, Defined Context Set
DDC	Direct Digital Control
DDD	Direct Distance Dialing
DDE	Dynamic Data Exchange
DDL	Device Definition Language, Device Description Language
DERC	Discrete Emission Reduction Credit
DFM	Design for Manufacturability
DESP	Dry Electrostatic Precipitation
DFW	Dallas/Fort Worth
DFWN	Dallas / Fort Worth North
DFWRTM	Dallas/Fort Worth Regional Travel Model
DG	Distribution Grid
DH+	Data Highway Plus
DI	Digital Input
DIAL	Differential Absorption Laser
DIC	Differential Interference Contrast
DID	Discharge Ionization Detector
DIOS	Dataradio InterOperability Standard
DIP	Dual In-line Package

DIRTFT	Do It Right The First Time
DIS	Draft International Standard
DL	Detection Limit
DLL	Dynamic Link Library, Data Link Layer
DLP	Digital Light Processing
DLS	Dynamic Light Scattering
DMA	Direct Memory Access
DMC	Dynamic Matrix Control
DMM	Digital Multimeter
DMS	Document Management System
DNAC	Dynamic Network Access Control
DNAPL	Dense Non-Aqueous Phase Liquid
DNI	Devicenet Network Interface, Desktop Network Interface
DO	Dissolved Oxygen, Digital Output
DOAS	Differential Optical Absorption Spectroscopy
DOC	Dissolved Organic Carbon
DOD	Depth Of Discharge
DOE	Design of Experiments
DOF	Degrees of Freedom
DoS	Denial of Service
DOS	Disk Operating System
DOW	Day Of Week
DP	Differential Pressure
DPDT	Double Pole Double Throw
DPI	Dots Per Inch
DPM	Digital Panel Meter
DRAM	Dynamic Random Access Memory
DRE	Destruction and Removal Efficiency
DRIFT	Diffuse Reflectance Infrared Fourier Transform Spectroscopy
DRM	Digital Rights Management
DSP	Digital Signal Processing, Digital Signal Processor
DSR	Data Set Ready
DSSS	Direct Sequence Spread Spectrum
DTD	Direct Thermal Desorption
DTE	Data Terminal Equipment, Data Terminating Equipment
DTL	Diode-Transistor Logic
DTM	Difficult to Measure, Device Type Manager
DTR	Data Terminal Ready
DTT	De-energize To Trip
DU	Data Unit
DV	Design Value
DVC	Digital Valve Control
DVD	Digital Video Disk
DVM	Digital VoltMeter
E&C	Engineering & Construction
E&P	Exploration & Production
EAM	Enterprise Asset Management
EAN	European Article Number
EBCDIC	Extended Binary-Coded Decimal Interchange Code

ECD	Electron Capture Detector
ECNICI	Electron Capture Negative Ion Chemical Ionization
ECO	EpiChlorohydrin Elastomer, Electro-Catalytic Oxidation
ECP	Enhanced Capabilities Port (parallel port)
EDB	1, 2-Dibromo-ethane
EDDL	Electronic Device Description Language
EDFW	Extended Dallas/Fort Worth
EDI	Electronic Data Interchange
EDIF	Electronic Data Interchange Format
EDL	Electrodeless Discharge Lamp
EDP	Electronic Data Processing
EDR	Electronic Data Reporting
EDS	Energy Dispersive Spectrometry
EDX	Energy Dispersive X-ray
EDXRF	Energy Dispersive X-ray Fluorescence
EEPROM	Electrically Erasable Programmable Read Only Memory
EFD	Engineering Flow Diagram
EFM	Electronic Flow Meter
EGAS	Economic Growth Analysis System
EGF	Electric Generating Facility
EGR	Exhaust Gas Recirculation
EI	Electron Impact, Electron Ionization, Emissions Inventory
EID	Electron Ionization Detector
EIDE	Enhanced Integrated Device Electronics
EIMS	Environmental Information Management System
EIQ	Emissions Inventory Questionnaire
EISA	Extended Industry Standard Architecture
EL	Elevation, ElectroLuminescence
ELCD	Electrolytic Conductivity Detector
ELF	Extremely Low Frequency
ELP	El Paso
ELPAT	Environmental Lead Proficiency Analytical Testing Program
EMA	Enterprise Management Architecture
EMC	Electromagnetic Compatibility, Emissions Measurement Center
EME	Electromagnetic Emissions
EMF	Electromagnetic Field, Electromagnetic Force, Electromotive Force
EMI	Electromagnetic Interference
EMIS	Environmental Management Information System
EMP	Electro-Magnetic Pulse
EMR	ElectroMagnetic Radiation
EMS	Energy Management System
EMT	ElectroMetallic Tubing
EN	European Norm
EO	Electro-Optical, Electro-Optic
EOF	ElectroOsmotic Flow
EOM	End Of Message
EOT	End Of Text
EP	Ethylene-Propylene, Ethane Propane, Explosion Proof
EPA	Enhance Performance Architecture
EPC	Engineering Procurement Construction, Electronic Product Code

EPCM	Engineering Procurement Construction Management
EPCRA	Emergency Planning and Community Right-to-know Act
EPDM	Ethylene Propylene Rubber
EPER	European Pollutant Emission Register
EPM	Electrical Preventive Maintenance
EPN	Emission Point Number
EPP	Enhanced Parallel Port (parallel port)
EPROM	Erasable Programmable Read Only Memory
EPP	Enhanced Parallel Port
EPTox	Extraction Procedure Toxicity
ERC	Emission Reduction Credit
ERP	Enterprise Resource Planning
ERT	Equipment Repair Time
ESA	Endangered Species Act
ESB	Enterprise Service Bus
ESC	Escape
ESD	Emergency ShutDown, ElectroStatic Discharge
ESEM	Environmental Scanning Electron Microscope
ESP	Electro-Static Precipitator
ESR	Equivalent Series Resistance
ESS	Enterprise Supervisory System, Environmental Stress Screening, Electronic Switching System
ETA	Event Tree Analysis
ETR	Employer Trip Reduction
ETX	End of Text
EU	European Union
EUT	Equipment Under Test
eV	Electron Volt
EVA	Ethylene Vinyl Acetate
EVD	Enhanced Versatile Disc
F wastes	Hazardous wastes from nonspecific sources
F/V	Frequency-to-Voltage
FA	Failure Analysis
FAB	Fast Atom Bombardment
FACA	Federal Advisory Committee Act
FADU	File Access Data Unit
FAQ	Frequently Asked Question
FAR	Flexible Attainment Region
FAT	File Allocation Table, Factory Acceptance Test, Field Acceptance Test
FC	Fail Closed
FCC	Fluid Catalytic Cracking
FD	Fail Dangerous
FDDI	Fiber Distributed Data Interface
FDM	Frequency Division Multiplexing
FDMA	Frequency Division Multiple Access
FDT	Fractional Dead Time, Field Device Tool
FEL	Front End Loading
FEP	Fluorinated Ethylene Propylene
FESOP	Federally-Enforceable State Operating Permit

FET	Field Effect Transistor
FF	Flange-to-Flange, Face-to-Face, Form Feed, Foundation Fieldbus
FFF	Field-flow Fractionation
FFT	Fast Fourier Transform
FGD	Flue Gas Desulfurization
FHSS	Frequency Hopping Spread Spectrum
FIA	Flow Injection Analysis
FID	Flame Ionization Detector
FIFO	First In First Out
FIFRA	Federal Insecticide, Fungicide, and Rodenticide Act
FIM	Facilities Information Management
FIN	Field Instrument Network
FIP	Factory Information Protocol, Federal Implementation Plan
FIPS	Federal Information Processing Standards
FM	Frequency Modulation
FMC	Fixed/Mobile Convergence
FMEA	Failure Mode and Effects Analysis
FMECA	Failure Mode and Effects and Criticality Analysis
FMLA	Family and Medical Leave Act
FMVCP	Federal Motor Vehicle Control Program
FOB	Free On Board
FO	Fail Open, Fiber Optic
FOD	Foreign Object Damage
FP	Flash Point, Functional Profile, Field Portable
FPD	Flame Photometric Detector, Flat Panel Display
FPGA	Field Programmable Gate Array
FPL	Fixed Programmable Language
FPN	Fine Print Note
FPU	Floating Point Unit
FR	Federal Register
FRAM	Ferroelectric Random Access Memory
FRC	Fire Retardant Clothing
FRP	Fiberglass Reinforced Polyester
FS	Full Scale, Fail Safe
FSA	Function Safety Assessment
FSK	Frequency Shift Keying
FSOT	Fused Silica Open Tubular capillary column
FT	Foot, Feet
FTA	Flame Temperature Analysis, Fault Tree Analysis
FTAM	File Transfer, Access, and Management
FTE	Full Time Equivalent Employee
FTM	Fixed Time Maintenance
FTIR	Fourier Transform Infrared
FTNIR	Fourier Transform Near Infrared
FTP	File Transfer Protocol
FTTA	Federal Technology Transfer Act
FTTH	Fiber To The Home
FU	FUse, Functional Unit
FUBAR	F... Upped Beyond All Recognition
FUD	Fear, Uncertainty, and Deception

FWPCA	Federal Water Pollution Control Act
G	Grams, Ground
G/HP-HR	Grams per Horsepower-Hour
G/MI	Grams per Mile
GAL	Gallon
GAN	Global Area Network
GATT	General Agreement on Tariffs and Trade
GaAs	Gallium Arsenide
GBU	Gasoline Blend Unit
GC	Gas Chromatograph, Gas Chromatography
GC/MS	Gas Chromatograph/Mass Spectrometer
GC/MS/MS	Gas Chromatograph/Tandem Mass Spectrometer
GD	Glow Discharge
GDI	Graphics Display Interface
GDS	Gasoline Desulphurization Unit
GDP	Gross Domestic Product
GEO	Geostationary Earth Orbit
GF	Graphite Furnace
GFAAS	Graphite Furnace Atomic Absorption Spectroscopy
GFC	Gas Filter Correlation
GFCI	Ground Fault Circuit Interrupter
GFI	Ground Fault Interrupter
GIGO	Garbage In Garbage Out
GIF	Graphic Interchange Format, Graphic Image File
GIPOF	Graded-Index Plastic Optical Fiber
GIS	Geographic Information System
GLC	Ground Level Concentration, Gas-Liquid Chromatography
GloBEIS	Global Biogenic Emissions Inventory System
GLP	Good Laboratory Practice
GMP	Good Manufacturing Procedure
GMT	Greenwich Mean Time
GPC	Gel Permeation Chromatography
GPM	Gallons Per Minute
GPS	Global Positioning System
GRAS	Generally Recognized As Safe
GRC	Galvanized Rigid Conduit
GRLT	Global Refining Leadership Team
GSE	Ground Support Equipment
GTL	Gas To Liquids
GUI	Graphical User Interface
GVWR	Gross Vehicle Weight Rating
HAP	Hazardous Air Pollutant
HART	Highway Addressable Remote Terminal
HAT	Hardware Acceptance Test
HAXL	Houston Air Excellence in Leadership
HAZOPS	Hazard and Operability Study
HB	House Bill
HC	Hydrocarbon

HCIA	Host Computer Interface – ASCII
HCl	Hydrochloric
HCU	Hydrocracker Unit
HD	Hard Disk, Harmonic Distortion
HDD	Heavy Duty Diesel
HDDV	Heavy Duty Diesel Vehicle
HDL	Hardware Description Language
HDMI	High Definition Multimedia Interface
HDPE	High Density PolyEthylene
HDT	Handheld Data Terminal
HDTV	High Definition Television
HDV	Heavy Duty Vehicle
HETP	Height Equivalent of a Theoretical Plate
HF	High Frequency (3 MHz to 30 MHz), Hydrofluoric, Hydrogen Fluoride
HFT	Hardware Fault Tolerance
HGA	Houston/Galveston Area
HIPS	High Integrity Protection System, High Integrity Protective System
HLLAPI	High Level Language Application Programming Interface
HMI	Human Machine Interface
HMR	Hazardous Material Regulation
HOMER	Hazardous Organic Mass Emission Rate
HON	Hazardous Organic National Emission Standards for Hazardous Air Pollutants
HOV	High Occupancy Vehicle
HP	Horsepower, Hewlett Packard, High Performance
HPCE	High-Performance Capillary Electrophoresis
HPI	Hydrocarbon Processing Industry
HPLC	High-Performance Liquid Chromatography
HPM	Hybrid Power Management
HPMS	Highway Performance Monitoring System
HPSEC	High Performance Size Exclusion Chromatography
HPTLC	High-Performance Thin Layer Chromatography
HRM	Houston Regional Monitoring
HRP	Hazard Reduction Factor
HRSG	Heat Recovery Steam Generator
HRVOC	Highly Reactive Volatile Organic Compound
HSE	High Speed Ethernet, Health Safety & Environmental
HSWA	Hazardous and Solid Waste Amendment (1984)
HTG	Hydrostatic Tank Gauging
HTML	HyperText Markup Language
HTSC	High Temperature Superconductor
HTTP	Hypertext Transfer Protocol, Hypertext Transport Protocol
HV	High Voltage
HVAC	Heating, Ventilation, and Air Conditioning
HZ	Hertz
I/M	Inspection/Maintenance
I/O	Input/Output
I/P	Current to Pneumatic
I&C	Information & Control
I&E	Instrumentation & Electrical

IAQ	Indoor Air Quality
IAS	Instrument Air Supply
IC	Integrated Circuit, Ion Chromatography
ICAP	Inductively Coupled Argon Plasma
ICAP-MS	Inductively Coupled Argon Plasma - Mass Spectroscopy
ICAP-OES	Inductively Coupled Argon Plasma - Optical Emission Spectroscopy
ICCD	Intensified Charge Coupled Device
ICE	In Case of Emergency
ICI	Industrial, Commercial, and Institutional
ICP	Inductively Coupled Plasma
ICP-AES	Inductively Coupled Plasma Atomic Emission Spectroscopy
ICP-MS	Inductively Coupled Plasma Mass Spectrometry
ICT	In-Circuit Test
ID	Inside Diameter, Identification
IDE	Integrated Drive Electronics, Integrated Development Environment
IDN	International Domain Name
IDR	Intrascene Dynamic Range
IEF	IsoElectric Focusing
IF	Intermediate Frequency
IFA	Issue For Approval
IFC	Issue For Construction
IFT	Inverse fast Fourier Transform
IG	Isolated Ground
IGBT	Insulated Gate Bipolar Transistor
IGCC	Integrated Gasification Combined Cycle
IIG	Interim Implementation Guidance
IIMS	Integrated Information Management System
IIP	Interim Implementation Plan
ILD	Instrument Loop Diagram
ILM	Information Lifecycle Management
IMAC	Immobilized Metal Affinity Chromatography
IMAP	Internet Message Access Protocol
IMC	Intermediate Metal Conduit
IMS	Information Management System, Ion Mobility Spectrometry, IP Multimedia Subsystem
INHG	Inches Mercury (Hg)
INIT	Initial Condition Tracer
INWC	Inches Water Column
IOC	Instrument on a Chip
IP	Internet Protocol, Intellectual Property
IPv6	Internet Protocol version 6
IPA	Isopropyl Alcohol
IPC	Integrated Pollution Control (England)
IPCT	Industrial Process Cooling Tower
IPP	Independent Power Plant
IPS	Instrumented Protective System
IQ	Installation Qualification
IR	InfraRed, Infrared Radiation
IRED	InfraRed Emitting Diode
IRP	Integrated Resource Planning

IRQ	Interrupt ReQuest
IS	Intrinsically Safe, Information Systems, International Standard, Internal Standard
ISA	Industry Standard Architecture, Incident Surprise Anomaly
ISBL	Inside Battery Limits
ISDN	Integrated Services Digital Network
ISE	Ion Selective Electrode
ISFET	Ion Selective Field Effect Transistor
ISP	Interoperable Systems Project, International Standardized Profile, Information Solutions Practice, Internet Service Provider
ISS	International Space Station
IT	Information Technology
ITD	Ion Trap Detector
ITPS	International Practical Temperature Scale
ITS	Intelligent Transportation System
ITWS	Integrated Terminal Weather System
IWW	Industrial Wastewater
JBOD	Just a Bunch of Disks
JCAMPDX	Joint Committee on Atomic and Molecular Physical Data, Data Exchange file format
JIC	Joint Industry Conference
JIG	Joint Interest Group
JIS	Japan Industry Standards
JIT	Just In Time
JScript	Java Script
JTC	Joint Technical Committee
K	Kelvin
K wastes	Wastes from industry specific sources
KB	Kilobyte, Kilobaud
KBPS	Kilobytes Per Second
KCAL	Kilocalorie
KG	Kilogram
KG/HA	Kilograms/Hectare
KISS	Keep It Simple, Stupid
KJ	Kilojoule
KM	Kilometer
KPA	Kilopascal
KPI	Key Performance Indicator
L	Liter
L _c	Critical Level
LADAR	Laser Radar
LAER	Lowest Achievable Emission Rate
LAGST	Leaking Above Ground Storage Tank
LALLS	Low Angle Laser Light Scattering
LAN	Local Area Network
LAS	Link Active Scheduler
LASER	Light Amplification by Stimulated Emission of Radiation
LB	Pound

LC	Liquid Chromatograph
LCC	Leadless Chip Carrier
LCD	Liquid Crystal Display
LCOS	Liquid Crystal on Silicon
LDAR	Leak Detection and Repair, Lightning Detection and Ranging
LDL	Lower Detection Limit
LDR	Land Disposal Restriction
LTD	Light Duty Truck
LED	Light Emitting Diode, Low Emission Diesel
LEL	Lower Explosive Limit
LEV	Low Emission Vehicle
LF	Low Frequency (30 kHz to 300 kHz)
LFL	Lower Flammable Limit
LIBS	Laser Induced Breakdown Spectroscopy
LIDAR	Light Detection And Ranging
LIESA	Laser Induced Emission Spectral Analysis
LIF	Laser Induced Fluorescence
LIFO	Last In First Out
LII	Laser-Induced Incandescence
LIMS	Laboratory Information Management System
LIN	Local Interconnect Network
LLMB	Liquid-Liquid Material Balance
LM	Link Master
LNAPL	Light Non-Aqueous Phase Liquid
LNG	Liquefied Natural Gas
LOC	Lab on a Chip
LOD	Limit of Detection
LOF	Lack of Fit
LOQ	Limit of Quantitation
LOS	Line Of Sight
LOX	Liquid O ₂ gen
LP	Liquefied Petroleum, Liquid Petroleum, Linear Programming
LPG	Liquid Petroleum Gas, Liquefied Petroleum Gas
LRU	Line Replaceable Unit
LSB	Least Significant Bit
LSG	Low Sulfur Gasoline
LSI	Large Scale Integration
LT	LighT, Level Transmitter
LTA	Logic Tree Analysis
LTPS	Low Temperature Polysilicon
LUST	Leaking Under Ground Storage Tank
LUT	Look Up Table
LV	Low Voltage
LVDT	Linear Voltage Displacement Transducer
LVI	Large Volume Injection
LXI	LAN Extensions for Instrumentation
M	Meter, Measurement
M2M	Machine-to-Machine
MA	Milliamp

MACT	Maximum Available Control Technology, Maximum Achievable Control Technology
MALDI	Matrix Assisted Laser Desorption Ionization
MALDI-TOF	Matrix Assisted Laser Desorption Ionization Time Of Flight
MALLS	Multi-angle Laser Light Scattering
MAN	Metropolitan Area Network
MAP	Manufacturing Automation Protocol
MASS SPEC	MASS SPECTrometer
MB	MegaByte
MBPS	MegaBits Per Second
MCC	Motor Control Center
MCL	Maximum Contaminate Level
MCP	Microchannel Plate
MCS	Management Consulting Services
MDA	Manufacturing Defects Analyzer
MDERC	Mobile Discrete Emission Reduction Credit
MDT	Mean Down Time
MEKC	Micellar Electrokinetic Chromatography
MEMS	MicroElectroMechanical Systems
MERC	Mobile Emission Reduction Credit
MES	Manufacturing Execution Systems
MESG	Maximum Experimental Safe Gap
METT	Mass Emissions Transient Testing
MG	MilliGram, Motor Generator
MGD	Million Gallons per Day
MI	Mineral Insulated, Mechanical Integrity
MIB	Management Information Base
MIC	Microbiologically Influenced Corrosion, MICrophone, Minimum Igniting Current
Mid-IR	Mid Infrared spectrum covering range 400 cm ⁻¹ to 4000 cm ⁻¹ (25 to 2.5 m)
MIE	Minimum Igniting Energy
MIG	Metal Inert Gas
MIL	Management Information Library, 1/1000 of an inch
MIL HDBK	Military Handbook
MIL SPEC	Military Specification
MIL STD	Military Standard
MIMO	Multiple Inputs/Multiple Outputs
MIMS	Membrane Introduction Mass Spectrometry
MIPS	Million Instructions Per Second
MIS	Management Information System
MISO	Multiple Inputs/Single Output
ML	Milliliter
MLC	Multilevel Cell
MM	Millimeter
MMBTU	Million British Thermal Units
MMI	Man Machine Interface
MMIC	Monolithic Microwave Integrated Circuit
MMS	Manufacturing Message Specification, Maintenance Management System
MOC	Management Of Change
MOF	Metal Organic Framework
MOM	Manufacturing Operations Management

MON Miscellaneous Organic NESHAP
MOS Metal Oxide Semiconductor
MOSFET Metal Oxide Silicon Field Effect Transistor
MOST Mobile Open Systems Technology. Media Oriented Systems Transport
MOU Memorandum Of Understanding
MOV Motor Oil Volatility, Motor Operated Valve, Metal Oxide Varistor
MPA Millipascal, Metropolitan Planning Area
MPEG Motion Picture Expert Group
MPFF Maintenance Preventable Function Failure
MPH Miles Per Hour
MPU Microprocessor Unit
MRA Magnetic Resonance Analysis
MRAM Magnetic Random Access Memory
MRI Magnetic Resonance Imaging
MRO Maintenance, Repair/replacement, Operating
MRRT Monitoring, Reporting, Recordkeeping, and Testing
MS Mass Spectroscopy, Mass Spectrometry
MS/MS Tandem Mass Spectroscopy
MSB Most Significant Bit
MSD Mass Selective Detector
MSDE Microsoft Data Exchange
MSDS Material Safety Data Sheet
MSI Medium Scale Integration
MSK Minimum Shift Keying
MTBE Methyl Tertiary-Butyl Ether, Mean Time Between Explosions
MTBF Mean Time Between Failure
MTDF Mean Time to Detect Failure
MTTF Mean Time To Failure
MTTR Mean Time To Repair
MuDTIP Multidimensional Protein Identification Technology
MUX Multiplexer
MV Millivolt, Manipulated Variable, Medium Voltage
MW Mega-Watt, Milli-Watt, Molecular Weight
MWTA Medical Waste Tracking Act
MY Model Year

N Neutral
NA Numerical Aperture
NAA Neutron Activation Analysis
NAAQS National Ambient Air Quality Standard
NAC Network Access Control
NAFTA North American Free Trade Agreement
NAK Negative Acknowledgment
NAS Network-Attached Storage
NC Normally Closed, Network Computer
NCA Noise Control Act
NCDC National Climate Data Center
NDE Non-Destructive Examination
NDIR Non-Dispersive Infrared
NDUV Non-Dispersive Ultraviolet

NEC	National Electrical Code
NEGU	Non-Electric Generating Units
NEP	Noise Equivalent Power
NEPA	National Environmental Policy Act
NESHAP	National Emission Standard for Hazardous Air Pollutants
NeSSI	New Sampling/Sensor Initiative
NEVES	Non-road Engine and Vehicle Emission Study
NEXT	Near End Cross-Talk
NFC	National Fire Code
NHSDA	National Highway System Designation Act
NIC	Network Interface Card
NICI	Negative Ion Chemical Ionization
NIR	Near Infrared
NLEV	National Low Emission Vehicle
NLLAP	National Lead Laboratory Accreditation Program
NM	Nanometer
NMR	Nuclear Magnetic Resonance
NMRS	Nuclear Magnetic Resonance Spectroscopy
NMS	Network Management Station
NNSR	Non-attainment New Source Review
NO	Normally Open, Nitrogen Oxide
NO _x	Nitrogen Oxides
NO _y	Nitrogen Species
NOM	Natural Organic Material
NPD	Nitrogen-Phosphorous Detector
NPDES	National Pollutant Discharge Elimination System
NPL	National Priorities List
NPN	Negative-Positive-Negative
NPSH	Net Positive Suction Head
NPT	National Pipe Thread
NR	Natural Rubber
NRAM	Nanotube Random Access Memory
NREP	National Registry of Environmental Professionals
NRL	Naval Research Laboratory
NRTL	Nationally Recognized Testing Laboratory
NRZ	Non-Return to Zero
NSOM	Near-field Scanning Optical Microscope
NSPS	National Standards of Performance for Stationary Sources, New Source Performance Standard
NSR	New Source Review
NTC	Negative Temperature Coefficient
O ₃	Ozone
O&M	Operation and Maintenance
OA-ICOS	Off-Axis Integrated-Cavity-Output Spectroscopy
OBD	On-Board Diagnostics
OCAP	Open Cable Application Platform
OD	Object Directory, Outside Diameter
ODBC	Open Database Connectivity
ODF	Open Document Forum

ODP	Ozone Depletion Potential
OEL	Occupational Exposure Limit
OEM	Original Equipment Manufacturer
OES	Optical Emission Spectroscopy
OI	Operator Interface
OIML	
OIS	Operator Interface Station
OJT	On the Job Training
OJR	On the Job Retirement
OL	OverLoad
OLAP	On-Line Analytical Processing
OLE	Object Linking and Embedding
OLED	Organic Light Emitting Diode
OLS	Ordinary Least Squares
OMAC	Open, Modular Architecture Control
OP	Operational
OPA	Oil Pollution Act (1990)
OPC	Object Linking and Embedding for Process Control
OP-FTIR	Open Path - Fourier Transform InfraRed
OPLC	Over Pressure Layer Chromatography
OQ	Operational Qualification
ORB	Object Request Broker
ORP	Oxidation Reduction Potential
OS	Operating System
OS/2	Operating System/2
OSAT	Ozone Apportionment Technology
OSBL	Outside Battery Limits
OSHA	Occupational Safety and Health Act
OSI	Open System Interconnection
OSIL	On-Site Implementation Log
OTAG	Ozone Transport Assessment Group
OTDR	Optical Time Domain Reflectometer
OVA	Organic Vapor Analyzer
OWL	Web Ontology Language
P wastes	Acutely hazardous discarded commercial products, off specification products, and spill residues
P2	Pollution Prevention
P/S	Power Supply
P&ID	Process and Instrumentation Diagram
PA	Power Amplifier, Peak Area
PACT	Plasma Arc Centrifugal Treatment
PAD	Photodiode Array Detector, Pulsed Amerometric Detection
PAH	Polynuclear Aromatic Hydrocarbon, Polycyclic Aromatic Hydrocarbon
PAI	Process Analysis Instrumentation
PAL	Plant-wide Applicability Limit
PAM	Pulse Amplitude Modulation, Plant Asset Management
PAMS	Photochemical Assessment Monitoring Site
PAR	Proven Acceptable Range
PAS	Photo Acoustic Spectroscopy, Publicly Available Specification

PAT	Process Analytical Technology
Pb	Lead
PB	Pushbutton
PBB	Polybrominated Biphenyl
PBDE	Polybrominated Diphenyl Ether
PBX	Private Branch Exchange
PC	Personal Computer, Programmable Controller
PCB	Printed Circuit Board, Polychlorinated Biphenyl
PCBA	Printed Circuit Board Assembly
PCI	Peripheral Component Interconnect
PCM	Pulse Code Modulation
PCMCIA	Personal Computer Memory Card International Association
PCS	Photon Correlation Spectroscopy
PCV	Positive Crankcase Ventilation
PD	Positive Displacement
PDA	Personal Data Assistant
PDEF	Physical Design Exchange Format
PDF	Portable Document Format
PDH	Professional Development Hour
PDM	Predictive Maintenance
PDP	Plasma Display Panel
PDRI	Project Definition Rating Index
PDS	Project Delivery System
PDU	Protocol Data Unit, Power Distribution Unit
PE	Professional Engineer, Process Engineering, Polyethylene
PEESP	Plasma-enhanced Electrostatic Precipitator
PEI	Periodic Emissions Inventory
PEL	Potential Exposure Limit, Permissible Exposure Limit
PERA	Purdue Enterprise Reference Architecture
PES	Programmable Electronic System
PET	Polythene Terephthalate
PF	Power Factor, Pico Farad
PFD	Probability of Failure on Demand, Process Flow Diagram
PFPD	Pulsed Flame Photometric Detector
PGA	Pin Grid Array
PHA	Process Hazards Analysis
PHR	Process Hazards Review
PHY	PHYSical Layer Protocol
PID	Photo Ionization Detector, Proportional-plus-Integral- plus-Derivative
PIMS	Process Information Management System
PIS	Protective Instrumented System
PLA	Programmable Logic Array
PLC	Programmable Logic Controller
PLD	Programmable Logic Device
PLIF	Pointer Laser Induced Fluorescence
PLL	Phase Locked Loop
PLM	Product Lifecycle Management
PLS	Partial Least Squares
PM	Preventative Maintenance, Predictive Maintenance, Post Meridiem, Post Mortem, Particulate Matter, Phase Modulation, Pulse Modulated

PM ₁₀	Particulate Matter less than 10 microns
PMT	Photo Multiplier Tube
PNL	Panel
PNP	Positive-Negative-Positive (transistor)
POC	Photochemical Organic Contamination
POE	Point of Entry
POIS	Plant Operating Information System
PON	Passive Optical Network
POP3	Post Office Protocol version 3
POTW	Publicly Owned Treatment Work
POU	Point of Use
PP	Poly Propylene
PPA	Pollution Prevention Act
PPB	Parts Per Billion
PPE	Personal Protection Equipment
PPM	Parts Per Million
PPMV	Parts Per Million by Volume
PPMW	Parts Per Million by Weight
PPP	Point-to-Point Protocol
PPR	Product and Packaging Rotogravure
PPT	Parts Per Trillion
PQ	Power Quality, Performance Qualification
PR	Pair, Publication Rotogravure
PRTD	Platinum Resistance Temperature Detector
PROFIBUS	Process Fieldbus
PRV	Pressure Relief Valve
PS	Power Supply, Power Spectrum, Performance Specification
PSA	Pressure Swing Adsorption
PSAT	Prostrate Acceptance Test
PSD	Prevention of Significant Deterioration, Particle Size Distribution
PSDB	Point Source Database
PSI	Pounds per Square Inch
PSIA	Pounds per Square Inch Absolute
PSID	Pounds per Square Inch Differential
PSIG	Pounds per Square Inch Gauge
PSK	Phase Shift Keying
PSM	Process Safety Management
PSSR	Pre-Startup Safety Review
PT	Potential (voltage) Transformer
PTE	Potential To Emit
PTFE	Poly TetraFluoroEthylene
PTGC	Programmed Temperature Gas Chromatograph
PTN	Public Telephone Network
PURPA	Public Utility Regulatory Policies Act
PV	Process Variable, Principle Variable, Photovoltaic
PVC	Poly Vinyl Chloride
PVDF	Poly Vinyl DiFluoride (Kynar)
PWB	Printed Wiring Board
PWBA	Printed Wiring Board Assembly
PWM	Pulse-Width Modulation

PXI	PCI eXtensions for Instrumentation
QA	Quality Assurance
QA/QC	Quality Assurance/Quality Control
QAM	Quadrature Amplitude Modulation
QAP	Quality Assurance Program, Quality Assurance Plan
QC	Quality Control
QCA	Quiet Communities Act
QIP	Quality Improvement Program
QL	Quantitation Limit
QML	Qualified Manufacturers List
QPL	Qualified Parts List, Qualified Product List
QRA	Quantitative Risk Assessment
QRI	Quantum Resonance Interferometry
QTAG	Quality Test Action Group
QWIP	Quantum-well Infrared Photodetector
R&D	Research & Development
R&R	Remove & Replace, Rest & Recreation, Recognition & Reward
RACT	Reasonably Available Control Technology
RAD	Rapid Application Development
RAID	Redundant Array of Inexpensive Disks, Redundant Array of Inexpensive Devices, Random Array of Independent Disks
RAM	Random Access Memory
RAZ	Regional Analysis Zone
RBD	Reliability Block Diagram
RBOC	Regional Bell Operating Companies
RBS	Rutherford Backscattering Spectroscopy
RC	Resistor Capacitor
RCFA	Root Cause Failure Analysis
RCM	Reliability Centered Maintenance
RCO	Recuperative Catalytic Oxidizer
RCRA	Resource Conservation and Recovery Act
RCTSS	Regional Computerized Traffic Signal System
RCVR	Receiver
RDF	Resource Description Framework
RECLAIM	Regional Clean Air Incentive Market
REL	Recommended Exposure Limit
REMPI	Resonance Enhanced Multiphoton Ionization
RF	Raised Face, Radio Frequency
RFCCU	Residue Fluid Catalytic Cracking Unit
RFDC	Radio Frequency Data Communications
RFG	Reformulated Gasoline
RFI	Radio Frequency Interference
RFID	Radio Frequency Identification, Radio Frequency Identity
RFO	Request For Offer
RFQ	Request For Quotation
RGS	Rigid Galvanized Steel
RH	Relative Humidity
RI	Refractive Index

RIF	Reduction In Force
RISC	Reduced Instruction Set Chip, Reduced Instruction Set Computer
RLL	Relay Ladder Logic
RMA	Raw Material Attributes
RMP	Risk Management Plan
RMS	Root Mean Square
RMSE	Root Mean Square Error
RO	Reverse Osmosis, Restriction Orifice
ROA	Return On Asset
RoHS	Reduction of Hazardous Substances, Restriction of Hazardous Substances
ROI	Return On Investment
ROM	Read Only Memory
ROP	Rate Of Progress
RPM	Revolutions Per Minute, Real-time Process Management
RRA	Resource Recovery Act
RREL	Risk Reduction Engineering Laboratory
RSD	Remote Sensing Device, Relative Standard Deviation
RSLinks	Rockwell Software Links (Allen Bradley OPC Server)
RSS	Root Sum Square
RT	Real Time, Rise Time
RTD	Resistance Temperature Detector, Resistance Temperature Device
RTJ	Ring Type Joint
RTO	Regenerative Thermal Oxidizer
RTOS	Real Time Operating System
RTS	Ready To Send, Request To Send
RTU	Remote Terminal Unit
RVP	Reid Vapor Pressure
RZ	Non-Return Zero
S	Second
S/D	Shut Down
S/H	Sample and Hold
S/N	Signal to Noise, Serial Number
SAGE	Solvent Alternative Guide
SAIMM	Systems Applications International Meteorological Model
SALLS	Single Angle Laser Light Scattering
SAN	Storage Area Network
SARA	Superfund Amendments and Reauthorization Act (1986)
SAT	Site Acceptance Test
SAW	Standing Acoustic Wave, Surface Acoustic Wave
SB5	Senate Bill 5
SBC	Single Board Computer
SBDW	Single Beam Dual Wavelength
SBIR	Small Business Innovative Research (USA Government grant program)
SBSW	Single Beam Dual Wavelength
SCADA	Supervisory Control & Data Acquisition
SCAM	Safety Control, Ax Man
SCC	Source Classification Code
SCD	Sulfur Chemiluminescence Detector
SCE	Suppressed Capillary Electrophoresis

SCFM	Standard Cubic Feet per Minute
SCM	Supply Chain Management
SCPI	Standard Commands for Programmable Instruments
SCR	Selective Catalytic Reduction, Selective Catalytic Reaction, Silicon Controlled Rectifier, Sample Conditioning Room
SCSI	Small Computer Standard Interface, Small Computer System Interface
SD	Standard Deviation, Safe Detected
SDB	Small Disadvantaged Business
SDF	Structure Data File
SdFFF	Sedimentation Field-Flow Fractionation
SDI	Silt Density Index
SDLC	Synchronous Data Link Control
SDS	Smart Distributed System
SDWA	Safe Drinking Water Act
SEC	Size-Exclusion Chromatography
SECS	Semiconductor Equipment Communications Standard
SECSII	Semiconductor Equipment Communications Standard Layer 2
SEM	Scanning Electron Microscope, Scanning Electron Microscopy
SERCOS	Serial Realtime Communications System
SEVA	Self Validation
SFC	Supercritical Fluid Chromatography
SFDR	Spurious Free Dynamic Range
SFF	
SG	Specific Gravity
SHA	Sample and Hold Amplifier
SHS	Sample Handling System
SI	International System of Units
SIC	Standard Industrial Classification
SIF	Safety Instrumented Function
SIG	Special Interest Group
SIL	Safety Integrity Level
SIM	Selective Ion Monitoring
SIMDIS	Simulated Distillation
SIMM	Single Inline Memory Module
SIMO	Single Input/Multiple Outputs
SIMS	Symposium for Innovation in Measurement Sciences
SIP	State Implementation Plan, Sterilize In Place
SIPOF	Step-index Plastic Optical Fiber
SIS	Safety Instrumented System
SISCH	Step Index Separate Confinement Heterostructure
SISO	Single Input/Single Output
SIT	Silicon Intensified Target
SITE	Superfund Information Technology Exchange, Superfund Innovative Technology Evaluation
SITWC	Spark Ignition Three-Way Catalyst
SL	Straight Line
SLAM	Scanning Laser Acoustic Microscope
SLC	Single Loop Controller, Small Logic Controller, Single Level Cell
SLDAR	Smart Leak Detection and Repair
SLDC	Single Loop Digital Controller

SLIP	Serial Line Interface Protocol
SMD	Surface Mount Device
SMDS	Switched Multi-megabit Data System
SML	Service Modeling Language
SMR	Steam-Methane Reforming
SMT	Surface Mount Technology
SMTP	Simple Mail Transfer Protocol
SNA	System Network Architecture
SNAFU	Situation Normal, All F... Up
SNCR	Selective Non-Catalytic Reduction
SNMP	Simple Network Management Protocol
SNR	Signal to Noise Ratio
SO ₂	Sulfur Dioxide
SO _x	Sulfur Oxide Compounds
SOA	Service Oriented Architecture
SOAP	Simple Object Access Protocol
SOC	System On Chip
SOCMI	Synthetic Organic Chemical Manufacturing Industry
SOH	Start Of Heading
SOIC	Small Outline Integrated Circuit
SOP	Safe Operating Practice
SOS	Southern Oxidants Study
SOT	Small Outline Transistor
SOV	Solenoid Valve
SOW	Statement of Work
SP	Set Point
SP(76)	Standards and Practices (Group of ISA)
SPC	Statistical Process Control
SPCC	Spill Prevention, Control, and Countermeasures Program
SPDT	Single Pole, Double Throw
SPI	Serial Peripheral Interface
SPM	Scanning Probe Microscope
SPME	Solid Phase Microextraction
SPR	Surface Plasmon Resonance
SPS	Samples Per Second
SQC	Statistical Quality Control
SQL	Structured Query Language
SRAM	Static Random Access Memory
SRM	Standard Reference Materials
SRRP	Source Reduction Review Project
SRS	Safety Requirement Specification
SS	Stainless Steel
SSB	Single Side Band
SSF	Saybolt Seconds Furol (viscosity)
SSM	Start-up, Shutdown, and Malfunction
SSR	Solid State Relay, Sum of Squared Residuals
SSU	Saybolt Seconds Universal (viscosity)
STEM	Scanning Transmission Electron Microscope
STEP	Standard for Exchange of Product model data
STP	Standard Pressure and Temperature, Shielded Twisted Pair

STX	Start Of Text
SULEV	Super-Ultra-Low Emission Vehicle
SV	Solenoid Valve
SVOC	Semi-Volatile Organic Compound
SW	Socket Weld
SWAG	Scientific Wild Ass Guess
SWIG	Sensors for the Water Industry Group
SWLI	Scanning White Light Interferometry
SWP3	Storm Water Pollution Prevention Plan
SWR	Standing Wave Ratio
T/C	Thermocouple
T&E	Travel & Entertainment
TA-MS	Thermal Analysis-Mass Spectrometry
TAAF	Test, Analyze And Fix
TAC	Texas Administrative Code
TAFF	Texas Alternative Fuel Fleet
TAN	Tiny Area Network
TAP	Telocator Alphanumeric Protocol (paging protocol)
TB	Terminal Block, Terminal Board
TC	Thermal Conductivity, Temperature Compensator, Technical Committee, Thermocouple, Temperature Coefficient, Toxicity Characteristic
TCA	Total Carbon Analyzer
TCAA	Texas Clean Air Act
TCD	Thermal Conductivity Detector
TCF	Texas Clean Fleet, Totally Chlorine Free
TCLP	Toxicity Characteristics Leaching Procedure
TCM	Time-Critical Manufacturing, Transportation Control Measures
TCO	Total Cost of Ownership
TCP	Transmission Control Protocol
TCP/IP	Transmission Control Protocol/Internet Protocol
TDC	Top Dead Center
TDD	Time Division Duplex
TDH	Total Dynamic Head, Total Harmonic Distortion
TDLAS	Tunable Diode Laser Absorption Spectrophotometer
TDM	Time Division Multiplex
TDMA	Time Division Multiple Access
TDR	Time Delay Relay, Time Delay Reflectometer
TED	Thermionic Emission Detector
TEDS	Transducer Electronic Data Sheet
TEFC	Totally Enclosed Fan Cooled
TELCO	TELEphone COmpany
TENV	Totally Enclosed Non-Ventilated
TER	Technical Evaluation Report
TERP	Texas Emission Reduction Plan
TFE	TetraFluoroEthylene (Teflon)
TFE/P	TetraFluoroEthylene/Propylene
TFT	Thin Film Transistor
TGD	Technical Guidance Document
THD	Total Harmonic Distortion

TIG	Tungsten Inert Gas, Technical Interest Group
TILS	Total Intensity Light Scattering
TIO	Technology Innovation Office
TIP	Transportation Implementation Plan
TLA	Three Letter Acronym
TLC	Thin Layer Chromatography
TLV	Threshold Limit Value
TMC	Texas Motorist's Choice
TMR	Triple Modular Redundancy
TNMOC	Total Non-Methane Organic Compounds
TOx	Total Organic Halide
TOC	Total Organic Carbon, Total Organic Compound, Total Oxidizable Carbon
TOF	Time Of Flight
TOG	Total Organic Gas
TPA	Third Party Access
TPD	Tons Per Day
TPOD	Tons Per Ozone Day
TPY	Tons Per Year
TQM	Total Quality Management
TRI	Toxic Release Inventory
TSCA	Toxic Substances Control Act
TSD	Technical Support Document
TSDF	Treatment, Storage, or Disposal Facility
TSMP	Time Synchronized Mesh Protocol
TSO	Tight Shut-Off
TSWeb	Terminal Server Web
TTHM	Total Trihalomethane
TTL	Transistor-Transistor Logic
TTY	Teletypewriter
TVA	Total Vapor Analyzer
TVSS	Transient Voltage Surge Suppressor
TWA	Time Weighted Average
TX	Transmitter
TXP	Total Suspended Particulate
TXRF	Total Reflection X-ray Fluorescence
U wastes	Other discarded commercial products, off specification products, and spill residues
UAM	Urban Airshed Model
UART	Universal Asynchronous Receiver Transmitter
UAV	Unmanned Aerial Vehicle
UBC	Uniform Building Code, Uninterruptible Battery Supply
UCS	Universal Control Station
UDA	Universal Data Access
UDP	User Datagram Protocol
UEL	Upper Explosive Limit
UFL	Upper Flammable Limit
UHF	Ultra High Frequency (300 MHz to 3 GHz)
UK	United Kingdom
ULSD	Ultra Low Sulfur Diesel

ULSG	Ultra Low Sulfur Gasoline
ULF	Ultra Low Frequency
UMA	Unlicensed Mobile Access
UNEP	United Nations Environment Programme
UPC	Universal Product Code
UPS	Uninterruptible Power Supply
URL	Uniform Resource Locator
US	United States
USA	United States of America
USB	Universal Serial Bus, Upper Side Band
UST	Underground Storage Tank
UTF	Unshielded Twisted Pair
UTM	Unsafe To Monitor, Universal Transverse Mercator
UTP	Unshielded Twisted Pair
UV	Ultraviolet
UVF	Ultraviolet Fluorescence
UVLA	Ultraviolet Laser Ablation
UWB	Ultra-Wideband
UWWD	Urban Wastewater Directive (European Community)
V	Volt
VA	Volt-Ampere
VAC	Volts Alternating Current
VAR	Volt-Ampere Reactive, Value Added Reseller
VAVR	Voluntary Accelerated Vehicle Retirement
VB	Visual Basic
VBA	Visual Basic for Applications
VBScript	Visual Basic Script
VBX	Visual Basic Extension
VDC	Volts Direct Current
VDF	Voltage Distortion Factor
VDS	Virtual Device Syntax
VDT	Video Display Tube
VDU	Video Display Unit
VE	Visible Emissions
VERP	Voluntary Emission Reduction Permit
VFA	Variable Filter Array
VFD	Virtual Field Device, Variable Frequency Drive
VG	Vapor Generation
VHAP	Volatile Hazardous Air Pollutant
VHF	Very High Frequency (30 MHz to 300 MHz)
VID	Vehicle Identification Database
VIN	Vehicle Inspection Number
VIR	Vehicle Inspection Report
VIS	Visible
VISA	Virtual Instrument Software Architecture
VISITT	Vendor Information System for Innovative Treatment Technologies, Vendor Information System for Innovative Technology Transfer
VL	Visible Length
VLAN	Virtual Local Access Network

VLF	Very Low Frequency (Below 30 KHz)
VLSI	Very Large Scale Integration
VMAS	Vehicle Mass Analysis System
VME	Versa Module Europe, Virtual Memory Environment
VMEP	Voluntary Mobile Source Emissions Reduction Program
VMS	Virtual Memory System
VMT	Vehicle Miles Traveled
VNR	VOC-NO _x Ratios
VNRAT	VOC-NO _x Ratios
VOC	Volatile Organic Compound
VoD	Video on Demand
VoIP	Voice over Internet Protocol
VOL	Volume
VoWLAN	Voice over Wireless Local Area Network
VPDAAS	Vapor Phase Deposition combined with Atomic Absorption Spectroscopy
VPDICPMS	Vapor Phase Deposition combined with Inductively Coupled Plasma Mass Spectrometry
VPN	Virtual Private Network
VRAM	Video Random Access Memory
VRC	Vertical Redundancy Check
VRF	Vehicle Repair Form
VT	Virtual Terminal
VTC	Vortex Tube Cluster
WACK	Wait, Positive ACKnowledgment
WAN	Wide Area Network
WAO	Wet Air Oxidation
WC	Water Column
WDM	Wavelength-Division Multiplexing
WDT	Watchdog Timer
WEEE	Waste Electrical & Electronic Equipment
WESP	Wet Electrostatic Precipitation
WGS	Water-Gas Shift
WiFi	Wireless Fidelity
WIMP	Windows, Icons, Mouse, Pointers
WLAN	Wireless Local Area Network
WLS	Weighted Least Squares
WN	Weld Neck
WOE	Weight Of Evidence
WPN1	White Paper Number 1
WT	Weight
WWF	Wide-Web Flexographic
WWW	World Wide Web
WYSIWYG	What You See Is What You Get
XFMR	Transformer
XooY	X out of Y
XRBL	Extensible Business Reporting Language
XRF	X-ray Fluorescence
XRFX	X-ray Fluorescence

XRMA	X-ray Microanalysis
XML	Extensible Markup Language
XMTR	Transmitter
Y2K	Year 2000
YTD	Year To Date
ZEV	Zero Emission Vehicle

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