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S	Analysis and Assessment Division, 4/78–7/87	SADAA	Science Assistant to the Deputy Administrator (EPA)
S	secondary body waves	SADARM	sense-and-destroy armor (submunitions)
S	secret	SADM	special atomic demolition munition
S	sick leave (attendance code)	SADREC	Safety Analysis Documents Review Committee
S	S-Site (TA-16)	SADT	self-accelerating decomposition temperature (hazardous material)
S	statistical application	SAE	Society of Automotive Engineers
S.	<i>Seite</i> ; page (German)	SAED	selected area electron diffraction
SA	(departmental administration fund code)	SAEOS	simplified analytic equation of state
SA	safety analysis/assessment	SAER	safety analysis and evaluation report
SA	salary adjustment	SAEWG	standing air emissions working group
SA	Sandia apparatus (nomenclature)	SAF	secure automated fabrication
SA	self-assessment	SAF/AQS	Secretary of the Air Force, Director of Space & SDI Programs
SA	service area (for LAICS communications)	SAF/AQT	SAF/Director of Science & Technology
SA	smoothing algorithm	SAF/AQV	SAF/Director of Testing & Evaluation
SA	special assistant	SAFE	safety assessment/facility evaluation
SA	standby air	SAFKEG	(safekeg; radioactive materials packaging)
SA	Sunshine Act	SAGA	Studies & Analysis Group (JCS)
S.A.	<i>Sociedad Anónima</i> ; corporation (Spanish)	SAGE	Soviet-American Gallium Experiment
S.A.	<i>Soci�te anonyme</i> (French)	SAGE	space-alternating generalized EM (biophy)
S&A	safing and arming	SAHDH	signature authority hazmat driver-highway
S&A	sampling/surveillance and analysis	SAI	solution assay instrument
SA-0	townsite/White Rock LAICS service area	SAIC	Scientific Applications International Corp.
SA-1	S-site region LAICS service area	SAIC	special agent-in-charge
SA-2	TA-50/Pajarito LAICS service area	SAID	scattering analysis interactive dialin
SA-3	LDCC/TA-3 region LAICS service area	SAL	Safeguards Analytical Laboratory
SA-4	TA-53 region LAICS service area	SAL	screening action level
SAA	same as above	SALP	systematic assessment of licensee performance
SAA	satellite accumulation area	SALT I/II	Strategic Arms Limitation Talks/Treaty
SAAC	Scientific and Academic Advisory Committee (UC Regents)	SAM	scanning acoustic microscope
SAAM	selective alpha air monitor	SAM	self-assembled monolayers
SAAMA	San Antonio Air Material Area	SAM	site availability mode
SAB	scientific (science) advisory board	SAM	small aperture module (laser)
SAB	secretarial advisory board	SAM	standard analysis method
SABM	set asynchronous balanced mode	SAM	surface-to-air missile
SAC	safety advisory committee	SAMA	Scientific Apparatus Makers Association
SAC	science advisory committee	SAME	Society of American Military Engineers
SAC	Senate Appropriations Committee	SAMGR	signature authority manager (SAS)
SAC	Strategic Air Command (FEMA)	SAMOPA	single-accelerator master oscillator power amplifier
SAC	suggestion award committee	SAMSON	simulation & modeling supporting operational needs
SAC	suspended & canceled pesticides (FIFRA)	SAN	safeguards accountability network
SACA	Support Agency Cooperative Agreement	SAN	Sandia Canyon Site (TA-20)
SACNET	secure automated communications network	SAN	San Francisco Operations Office
SACPG	Senior Arms Control Policy Group	SAN	storage area network
SACT	Seabed Arms Control Treaty	SANDAC	Sandia Airborne Computer
SAD	safety analysis/assurance diagram	SANDS	surveillance accident nuclear detection system
SAD	safety analysis document		
SAD	safety assessment document		
SAD	small-angle diffraction		

SANE	Standard Apple Numeric Environment	SB	small business (vendor liaison office term)
SANE	sulfur and nitrogen emissions	SBA	Small Business Administration
SANS	small-angle neutron scattering	SBB	super broad band
SAO	San Francisco Area Office	SBCL	space-based chemical laser
SAP	sampling/analysis plan	SBE	small business enterprise
SAP	scientific advisory panel	SBFEL	space-based free-electron laser
SAP	special access program	SBGT	standby gas treatment
SAPC	Space Activities Promotion Council (Japan)	SBI	space-based (rocket) interceptor
SAPI	service access point identifier	SBIR	small business innovation research
SAPR	stockpile approved product record	SBKKV	space-based kinetic kill vehicles
SAR	safety analysis/appraisal report(s)	SBLOCA	small-break loss-of-coolant accident
SAR	search and rescue	SBO	station blackout
SAR	special access required	SBR	space-based radar
SAR	start action request	SBS	simulated Brillouin scattering
SAR	structure-activity relationship	SBS	(subsystem to improve laser beam quality)
SAR	synthetic aperture radar	SBSA	small business set-aside
SARA	Service Academy Research Associate Program	SBSS	science-based stockpile stewardship
SARA	Superfund Amendments Reauthorization Act (1986)	SBTP	surface-based test plan
SARE	simulating accelerator radiation environment	SBU	strategic business unit
SARF	supercompactor & recovery facility	<b>SC – SD</b>	
SARIS	Savannah River simulator	SC	safety class
SARM	safety analysis and risk management	SC	safety computer
SAROAD	storage and retrieval of aerometric data	SC	secondary confinement/containment
SARP	safety analysis report for packaging	SC	simulated core
SART	site assessment & remediation technology	SC	site closeout
SAS	semi-annual soils	SC	space-charge
SAS	signature authority system (replaces PACS)	SC	special case
SAS	small-angle (ion) source	SC	speed controller
SAS	Society for Applied Spectroscopy	SC	storage compatibility
SAS	special analytical services	SC	surveillance compliance
SAS	statistical analysis system	S/C	safety computer (ABS)
SASC	Senate Armed Services Committee	SCA	single-channel analyzer
SASD	structured analysis, structured design	SCA	site characterization analysis (NRC)
SASS	safety assurance system summary	SCA	sneak circuit analysis
SASS	source analysis sampling system	SCA	specific collection area
SAT	semi-automatic trim	SCA	state cooperative agreement
SAT	sulfuric acid tetrahydrate	SCA	subcontract administrator/buyer
SAT	systematic approach to training	SCADA	Supervisory Control and Data Acquisition
SATAN	system administration tool for analyzing networks	SCAM	scanning and alarm monitoring
SAV	semi-annual vegetation	SCAM	simple cordless alpha monitor
SA/V	ratio of surface area to solution volume	SCAM	surveillance control alarm maintenance
SAVE	status assistance & verification element	SCAP	Superfund Compliance Accomplishments Plan
SAW	surface acoustic wave	SCAP	Superfund comprehensive/consolidated accomplishments plan (CERCLA)
SAWAFE	satellite attack warning and assessment flight experiment	SCAPS	site characterization & analysis penetrometer system
SAWRS	supplementary aviation weather reporting system	SCARA	selective compliance assembly robot arm (Adept Technology, Inc.)
Saxton	(power reactor; Saxton, Pennsylvania)	SCAS	semicontinuous activated sludge (test)
SB	sick—family bereavement (attendance code)	SCB	semiconductor bridgewire
		SCBA	self-contained breathing apparatus
		SCC	satellite communications controller
		SCC	side-chain cleavage
		SCC	source classification code

SCC	Standing Consultative Commission	SCS	shutdown cooling system
SCC	strategic computing complex	SCS	Soil Conservation Service
SCC	stress-corrosion cracking	SCSA	Soil Conservation Society of America
SCCO <sub>2</sub>	supercritical carbon dioxide (extraction)	SCSI	small computer system interface
SCD	scientific computations department (SRL)	SCSP	storm & consolidated sewer program
SCD	single-crystal diffractometer (LAMPF)	SCSU	Southern Carolina State University
Sc. D.	<i>scientiae doctor</i> ; doctor of science	SCTF	Slab Core Test Facility (Japan)
SCE	saturated/standard calomel electrode	SCTI	sodium components test installation
SCE	subcritical experiments	SCUD	(medium-range liquid-propelled ballistic missile)
SCEM	scanning electron microscope	SCUS	custodial branch (JCI)
SCEP	site characterization enhancement program	SCW	service clarified water
SCEPS	self-contained chemical energy propulsion system	SCWO	supercritical water oxidation (also SWO)
SCF	Sample Coordination Facility	SCX	single charge exchange
SCF	standard cubic foot (also scf)	SCYLLAC	(TA-3; used for fusion research)
SCF	system control factor	SD	sample duplicate
scfm	standard cubic feet per minute	SD	schedule deviation
SCFN	sensitive country foreign national	SD	shakedown
SCG	security classification guide	SD	Shops Department, 9/49-3/81
SCI	San Clemente Island	SD	shutdown
SCI	sensitive compartmented information	SD	software documentation
SCI	stratospheric circulation model	SD	solvent desorption
SCIF	Sensitive Compartmented Information Facility	SD	Space Division (Air Force, Los Angeles)
SCILS	Sensitive Countries Information Logging System	SD	standard deviation (standard design)
SCL	side-coupled linac	SD	super compact disk (Toshiba/Time Warner)
SCM	see SCRAM	SD	supply duct
SCMH	standard cubic meters per hour (also scmh)	SDA	scalable disk array
SCMT	secondary crisis management team	SDAC	Space Data Analysis Center (Japan)
SCO	safety condition for operation	SDB	small, disadvantaged business
SCO	Santa Cruz Operation, Inc.	SDBE	small disadvantaged business enterprise
SCO	State cleanup order	SDC	segmented drum counter
SCOPE	safety-controls optimization by performance evaluation	SDC	shutdown cooling
S/COS	Space-based Global Change Observing System	SDC	Solenoidal Detector Collaboration
SCOT	satellite communications onboard terminal	SDC	Space Defense Command
SCP	site characterization plan	SDC	Strategic Defense Command, U.S. Army
SCP	strongly coupled plasma	SDC	structural design criteria
SCR	selective catalytic reduction	SDD	system description document
SCR	selenium control rectifier	SDD	system design description
SCR	silicon-controlled rectifier	SDDR	supplier deviation disposition request
SCR	site characterization report	SDE	State Department of Education (New Mexico)
SCR	sodium-controlled reactor	SDG	sample delivery group
SCRA	Superspeed Computer Research Association (Japan)	SDHX	shutdown heat exchanger
SCRAM	safety control rod ax man	SDI	Strategic Defense Initiative
SCRAM	statistical crack mechanics	SDID	software design implementation document
SCRF	superconducting radio frequency	SDIF	standard document interchange format
SCRUNCHER	(superconducting rf cavity/energy compressor; low-energy pion channel)	SDIO	SDI Organization
SCS	safety computer system	SDK	software developer kit
SCS	secondary coolant system	SDLC	software development life cycle
		SDLC	synchronous data link control (telecom.)
		SDNS	secure data network system (telecom.)
		SDOF	single-degree-of-freedom
		SDP	site development plan
		SDP	sodium dihydrogen phosphate
		SDP-AS	site development plan annual summary
		SDPS	silent discharge plasma system

SDP-TSI	site development plan technical site information	SEED	Summer Educational Experience for the Disadvantaged
SDR	subsystem design requirement/review	SEG	Science Engineering Group
SDR	system design review	SEG	Society of Exploration Geologists
SDRCSF	slurry distributor removal containment seal fixture	SEGS	Solar Electric Generating System (9 power plants in Southern California)
SDRD	subsystem design review document	SEI	Software Engineering Institute (Carnegie-Mellon University)
SDRS	splash detection radar system	SEI	Space Exploration Initiative
SDS	shutdown sequencer	SEIA	socioeconomic impact analysis
SDS	strategic defense system	SEIC	system engineer/integrator contractor
SDSC	San Diego Supercomputer Center	SEIC	systems engineering and integration contract
SDT	shock-to-detonation transition	SEID	system engineering and integration division
SDW	Stealth Designers Workbench	SEIG	Systems Engineering Integration Group
SDWA	Safe Drinking Water Act (1974, '77, '86)	SEIS	State Environmental Impact Statement
SDWT	self-directed work team	SEL	special equipment list
<b>SE–SH</b>		Selni	(commercial power reactor, Italy)
SE	safety evaluation	SEM	scanning electron microscope
SE	(Secretarial/Contract Services System)	SEM	secondary emission monitor
SE	security escort	SEM	singularity-expansion method
SE	solvent extraction	SEM	specification exception material
SE	subcritical experiment	SEM	standard electronic module
S&E	salaries and expenses	SEM	standard error of the means
S&E	scope and estimate	SEMATECH	Semiconductor Manufacturing Technology (consortium)
S&Es	scientists and engineers	SEM/EDAX	scanning electron microscopy and energy dispersive spectroscopy
SEA	(Naval Sea Systems Command identifier)	SEMP	system engineering management plan
SEA	state enforcement agreement	SEN	Secretary of Energy (notice)
SEA	state/EPA agreement	Sena	(commercial power reactor in France)
SE&A	security education and awareness	SENAC	senior executive nuclear accident course
SEAB	Secretary of Energy Advisory Board	SENRAD	(serial number recognition accountability system)
SEAC	Safety and Environmental Advisory Council	SEO	science and education outreach
SEAC	Scientific & Engineering Advisory Committee	SEO	source election official
SEAG	Science Education Advisory Group	SEO	State Engineer's Office
SEAgel	safe emulsion agar gel (LLNL)	S.E.O.	<i>sauf erreur ou omission</i> ; error or omission excepted (French)
SEAL	sea, air, and land (U.S. Navy forces)	SEOD	site engineering operations division
SEAM	surface, environment and mining	SEP	somebody else's problem
SEAOC	Structural Engineers Association of California	SEP	supplemental environmental project
SEAR	safety evaluation audit report	SEP	site emergency plan
SEAS	strategic environmental assessment system	SEP	site evaluation panel
SEB	source evaluation board	SEP	spherical error probability
SEC	Science Education Center	SEP	systematic evaluation program
SEC	secondary containment	SEPA	Southeastern Power Administration
SEC	Security Office, 9/79–1/80	SEPWC	Senate Environment and Public Works Committee
SECA	State Employees Commuter Association	SER	safety evaluation report
SECAM	<i>séquential à mémoire</i> ; sequential color and memory (French TV format)	SERA	Superfund Emergency Response Actions
SECOM	secure communications (system)	SERC	State emergency response commission
SECY	secretary	SERDP	Strategic Environmental R&D Program
SED	Special Engineers Detachment (Manhattan Project)	SERF	Solar Energy Research Facility (at Solar Energy Research Institute (Golden, CO))
SED	stream editor (UNIX utility)		
SEDI	studies of the Earth's deep interior		
SEDP	silent electric discharge plasma		

SERI	Solar Energy Research Institute (Golden, CO; now NREL)	SFT	system fault tolerance
SERP	Strategic Environmental Restoration Program	SFT-C	spent fuel test-climax
SERS	science and engineering research semester	SG	safeguards
SERT	security emergency response team	SG	safety guide
SERT	space electrochemical research and technology	SG	sick grant (attendance code)
SES	secondary emissions standard	SG	specific gravity (also sp gr)
SES	senior executive service	SG	steam generator
SES	socioeconomic status	SG	strain gage
SES	Standards Engineers Society	SGA	soil gas analysis
SESAME	(equation-of-state library)	SGEMP	systems-generated electromagnetic pulse
SESC	Site Evaluation Steering Committee	SGI	Silicon Graphics, Inc.
SESC	SGN Eurisys Services Corp.	SGML	standard generalized markup language
SET	Senior Executive Team	SGR	sodium-graphite reactor
SET	single-electron transistor	SGR	soft gamma repeater
SET	single-electron tunneling	SGS	segmented gamma-ray scanner
SET	Standard d'Exchange et de Transfer	SGS	steam generator system
SETS	set equation transformation system	SGS	subgrid scale
SETS	site enforcement tracking system	SGTR	steam generator tube rupture
SETS	stability-enhancing two-step (technique)	SGTS	standby gas treatment system
SEU	single-event upset	SH	single heterostructure
SEU	slightly enriched uranium	SH	sleeve housings
SEW	(Air Force Safety Agency)	SH	southern hemisphere
SEWG	site evaluation working group	S&H	safety and health (Tiger Team subteam)
SF	safety factor	S&H	shipping and handling
SF	scale factor	S&H FYP	Safety and Health Five-Year Plan
SF	sick—family (attendance code)	SHA	solid homogeneous assembly
SF	slope factor	SHA	system hazard analysis
SF	source factor	SHAPE	Supreme Headquarters, Allied Powers in Europe
SF	special form	SHB	spectral hole-burning
SF	spent fuel	SHEBA	solution high-energy burst assembly
sf	square foot (also sq ft)	SHF	storage-handling facility
SF	standard form	SHF	super high frequency
SF	Superfund (CERCLA)	SHG	second harmonic generation
SFA	salary, fringe, and associates	SHG	surface heating gain
SFA	segmented flow analysis	SHiP	small, high performance
SFA	single failure analysis	SHIVA	(LLNL research laser, 1979)
SFA	spectral flame analyzer	SHMS	standard hydrogen monitoring system
SFA	standard fuel assembly	SHOP	Small High-Power Optics Program
SFAS	safety features actuation system	SHPO	state historical preservation office/officer
SFC	shop floor control	SHRP	Scientific Human Resources Board
SFC	space flight center	SHS	single hot spot
SFC	supercritical fluid chromatography	SHSC	site health and safety coordinator
SFE	supercritical fluid elution	SHT	seal head tank
SFIAP	surplus facility inventory and assessment program (replaced SFMP)	SHTS	secondary heat transport system
SFIR	significant finding impact report	SHTSSG	secondary heat transport system steam generator
SFM	scanning force microscopy	SHWL	seasonal high water level
SFMP	surplus facilities management program	<b>SI–SL</b>	
SFQ	single flux quantum	SI	safety/site inspection
SFR	salary factor report (BUCS)	SI	security inspector
SFR	significant finding report	SI	simple interface (Cray-to-UNIX tools)
SFRD	secret formerly restricted data	SI	site investigation
SFRFQ	strong-focusing rf quadrupole	SI	spark ignition
SFT	stockpile flight test	SI	SPARC International
		SI	special instruction

SI	spray injection	SIR	surface-insulation resistance
SI	<i>Système International d'Unités</i> ; International System of Units (metric standard)	SIRS	salary information retrieval system
SIA	salary increase authorization	SIRS	satellite infrared spectrometer
SIA	scalable interconnect architecture	SIS	safety injection system
SIA	Semiconductor Industry Association	SIS	space inventory system
SIA	strategic issues analysis	SIS	special inventory system
SIAC	specialized information analysis center	SIS	special isotope separation (separator)
SIAM	Society for Industrial and Applied Mathematics	SIS	stay in school (program)
SIC	standard industrial classification/code	SIS	superconducting image surface
SICBM	small intercontinental ballistic missile	SIS	surface-ionization-type ion source
SICS	safety injection control system	SISAK	short-lived isotopes studied by the AKUFVE-technique
SID	sodium ionization detector	SIS-EDS	special isotope separation engineering demonstration system
SIER	special instruction engineering release	SISG	superconducting image surface gradiometry
SIG	site integration group	SIT	safety injection tank
SIG	special interest group	SIT	scientific integrated test
SIG	strategic integration group	SITE	Superfund Innovative Technology Evaluation
SIGCHI	Special Interest Group on Computer and Human Interface (ACM)	SiTR	silicon transformation reaction
SIGGRAPH	Special Interest Group on Computer Graphics (ACM)	SITREP	situation report
SIGINT	signals intelligence	SIV	simian immunodeficiency virus
SILAS	Secure Interactive Livermore Alarm System	SJ	small job (ticket number)
SILC	spallation-induced lithium conversion	SJCO	supplemental justification for continued operation
SIM	six-inch instrument manipulator	SJC-WCD	San Juan County Water Conservation District
SIMD	single instruction multiple data	SJP	standard job procedures
SIMM	single in-line memory module	SJT	small job ticket
SIMON	Semi-Intelligent Mobile Observing Navigator (a robot at SRL)	SKA	skills, knowledge & abilities
SIMP	simple intermachine protocol	SKIM	spill cleanup inventory
SIMS	secondary ion mass spectroscopy	SKUA	(Pajarito Site)
SIMS	Store Inventory Management System	SL	safety limit
SIMSE	systematic initiative in math & science education	SL	Saha-Langmuir (equation)
SIMTC	Southwest Industries Manufacturing Technology Center	SL	Salem Technical Services
SIN	<i>Schweizerisches Institut für Nuklearforschung</i> (Switzerland)	SL	Sandia Laboratories (now SNL)
SINIO	Signals Intelligence National Intelligence Officer	SL	section leader
SIO	serial input/output	SL	sick leave
SIO	Stakeholder Involvement Office	SL	stationary low (meteorology)
SIOH	supervisory inspection & overhead	S/L	solid-to-liquid ratio
SIOP	single integrated operations plan	SLA	Sandia Laboratories Albuquerque
SIP	safety implementation plan (CAA)	SLAC	Stanford Linear Accelerator Center
SIP	scientific investigations plan	SLAMS	state & local air monitoring stations
SIP	site investigation planning	SLAMS	State and Local Air Monitoring System
SIP	state implementation plan	SLAP	sounds like a plan
S/IP	Strategic/Institutional Planning	SLAT	supersonic low-altitude target
SIPI	scientists' institute for public information	SLATEC	Sandia, Los Alamos, Air Force Weapons Lab Technical Exchange Committee
SIPRI	Stockholm International Peace Research Initiative	SLB	shallow land burial
SIR	safeguards implementation report	SLBM	submarine-launched ballistic missile
SIR	serial infrared (HP standard)	SLBW	single-level Breit-Wigner (cross section)
		SLCM	submarine/sea-launched cruise missile
		SLCS	standby liquid control system
		SLD	Scientific Lab Division (Albuquerque, NM)
		SLD	superluminescent diode

SLD	surreptitious listening device	SMCB	Senior Management Construction Board
SLEDS	Sandia Laboratories Engineering Drawing System	SMCL	secondary maximum contaminant level
SLEP	Stockpile Life Extension Program	SMCRA	Surface Mining Control & Reclamation Act of 1977
SLI	Sandia Laboratory instruction	SMDP	strategic management decision point
SLIP	serial line Internet/interface protocol	SMDS	switched multimegabit data service
SLL	Sandia Laboratories Livermore	SME	Society for Manufacturing Engineers
SLM	spatial light modulator	SME	subject matter expert
SLM	standard laboratory module	SMES	superconducting magnetic energy storage (superconductivity)
SLM	structure location maps	SMF	Sample Management Facility
SLP	shelf life program	SMG	Senior Management Group
SLP	single link protocol	SMI	structure of management information
SL/PGAD	site layout/plant general arrangement drawings	SM&IB	Site Management & Integration Branch (T&MSS)
SLPI	secretory leukocyte protease inhibitor	SMMP	socioeconomic monitoring & mitigation plan
SLSF	Sodium Loop Safety Facility	SMO	Sample Management Office (ER project)
SLSM	simple line source model	SMOA	Superfund memorandum of agreement
SLT	stockpile laboratory test	SMP	Sellafield MOX Plant
SLT	strong Langmuir turbulence	SMP	shared-memory multiprocessor
SLV	satellite launch vehicle	SMP	Site Management Plan
		SMP	synchronous multiprocessing
<b>SM–SN</b>		SMPC	Senior Management Planning Council
SM	safeguards measurements	SMPTE	Society of Motion Picture & Television Engineers (time code standard)
SM	security manual	SMR	standardized mortality ratio
SM	<i>Security/Safeguards Policies and Procedures Manual</i>	SMRC	Staff Member Review Committee
SM	sheet metal	SMRSF	special moment-resisting space frame
SM	shipping manifest	SMS	source mass spectrometer
SM	single mode	SMSA	standard metropolitan statistical area
SM	South Mesa Site (TA-3)	SMT	surface-mount technology
SM	staff member	SMTF	simple mail transfer protocol
SM	switching module (telephone)	SMU	solid (waste) management unit (usually SWMU)
S&M	surveillance and maintenance	SN	solar neutrino
SMAC	shipping mobility/accountability collection (transport'n group database)	S/N	serial number
SMAC	shipment mobility collection system	S/N	signal/noise (ratio; also SNR)
SMAC	Suspect Material Action Committee	SNA	systems network architecture
SMART	sequential modular architecture for robotics & teleoperation (Sandia)	SNAAQs	secondary national ambient air quality standards
SMART	stockpile materials requirement tabulator	SNACP	(simple network management protocol)
SMASE	system management application service element (telecom./computing)	SNAP	shielded neutron assay probe
SMAW	shielded metal arc welding	SNAP	significant noncompliance action program
SMAW	submerged metal arc weld	SNAP	space nuclear auxiliary power (system)
SMB	server message block (computing/telecom.)	SNAP	Symbolic Nuclear Analysis Program (seismic monitoring project)
SMB	Special Metallurgical Building	SNARE	suggested no-adverse response level
SMC	selection and monitoring chassis	SNARL	significant noncompliers
SMC	special manufacturing capability (project)	SNCs	secure network computer server
SMC	Specific Manufacturing Capability (Rockwell-INEL)	SNDV	strategic nuclear delivery vehicle
SMC	stopped muon channel	SNEC	Subgroup on Nuclear Export Coordination
SMC	system monitoring compounds(surrogates)	SNF	short-range nuclear forces
SMCAC-EST	(U.S. Army Technical Center for Explosives Safety)	SNF	special nuclear fuel
		SNG	synthetic natural gas
		SNGBZ	Sierra Nevada-Great Basin Boundary Zone

SNI	San Nicolas Island	SOS	strahl-on-strahl
SNL	Sandia National Laboratories	SOSG	standard operating safety guide
SNLA	Sandia National Laboratories, Albuquerque (Sandia Laboratories to 12/79; now SNL, NM)	SOT	systems operation test/testing
SNLL	Sandia National Laboratories, Livermore (now SNL, CA)	SOTDAT	source test data
SNM	special nuclear material	SOV	soil organic vapor
SNML	Special Nuclear Materials Laboratory	SOW	scope of work
SNMP	simple network management protocol	SOW	special order weapon
SNMSP	special nuclear material security plan	SOW	stand-off weapon
SNO	Sudbury Neutrino Observatory (Canada)	SOW	statement of work
SNOW	(injector design code)	SOX	sound exchange (file/standard)
SNQ	spallations-neutronenquelle (source)	SP	sampling point/plan
SNR	signal-to-noise ratio	SP	security procedure
S&NSB	Security and Nuclear Safeguards Branch (LAAO)	SP	self-potential
SNS	Spallation Neutron Source	SP	self-propelled (vehicle)
SNSI	secret national security information	SP	setpoint
SNT	sensitive nuclear technology	SP	sick—personal obligation (attendance code)
SNU	solar neutrino unit(s)	SP	special purpose
SNUBS	(magnetohydrodynamic code)	SP	standard procedure/practice
SNUR	significant new use rule (TSCA)	SP	Supply and Property Department, 5/48– 9/80
<b>SO–SP</b>		SPA	Security Plan Assistant
SO	security officer	SPA	Software Publishers Association
SO	seller's option	SPA	subsystem performance assessment
SO	Sollid Optical	SPAG	standards promotion & applications group
SO	special operations	SPAN	Space Physics Analysis Network
SOB	Senate office building	SPAO	Security Planning & Assessment Office
SOB	start of business	SPAR	Science, Philosophy & Religion (symposium)
SOC	sample overview committee	SPAR	space power advanced reactor
SOC	synthetic organic chemical (carbon)	SPAR	status of permit application report
SOCOM	Special Operations Command	SPARC	scalable processor architecture (Sun)
SOD	sediment oxygen demand	SPARC	Space Applications & Research Centre (Pakistan)
SOD	superoxide dimutases	SPAWAR	(Space & Naval Warfare Systems Command)
SODAR	sound, distance, and ranging	SPC	statistical process control
SOE	safe operating envelope	SPC	Superconductivity Pilot Center
SOH	state of health	SPC	suppression pool cooling
SOE	sequence of events	SPC	Systems Planning Corporation
S&OH	safety and occupational health	SPCC	spill control and countermeasures
SOI	silicon on insulator	SPCC	spill prevention, control, and countermeasures plan
SOI	supply operating instruction	SPCM	single-photon counting module
SO/JCO	standing order/justification for continued operation	SPD	Safety Programs Division (DOE)
SOM	strength of materials	SPD	single-photon detector
SONET	synchronous optical network	SPD	single-purpose device
SOP	standard operating procedure (LA-series report designator)	SPD	summary plan description
SOP	standard/safe operating power/procedure	SPD	surplus plutonium deposition
SOP	streaked optical pyrometry	SPD	symmetric and positive definite
SOPA	synchronous-orbit particle analyzer	SPDC	spontaneous parametric down conversion
SOQ	statement of qualification	SPDL	standard page description language
SOR	statement of requirement	SPDU	session protocol data unit (telecom.)
SOR	successive over-relaxation	SPE	secondary particulate emissions
SORT	support operations review team	SPE	solid-phase extraction
SORV	stuck-open relief valve	SPEAR	surface profile analysis reflectometer
		SPEC	specification

SPECT	single-photon-emission computed tomography	SPTE	special purpose test equipment
SPEERA	Secretarial Panel for the Evaluation of Epidemiologic Research Activities	SPU	special purpose unit
SPERT	(experimental test reactor, Idaho)	<b>SQ – SR</b>	
SPF	skin protection factor	SQA	software quality assurance
SPF	site population factor	SQAR	safety quality assurance representative
SPF	Sodium Process Facility	SQBE	small-quantity burner exemption
SPF	standard project flood	SQC	statistical quality control
SPG	specific gravity (also sp gr)	SQG	small-quantity generator
SPH	smooth particle hydrodynamics	SQL	standard/structured query language
SPI	schedule performance index	SQ&R	safety, quality, and reliability
SPI	Security Profile Inspector (LLNL)	SQUG	Seismic Qualification Utility Group
SPI	standard practice instruction	SQUID	superconducting quantum interference device
SPI	strategic planning initiative	SQW	strained quantum well
SPINE	shared program information network	SQWFET	strained quantum well field effect transistor
SPL	spare parts list		
SPIE	Society of Photo-Optical Instrumentation Engineers	SR	safety rod
SPLMD	soil-pore liquid monitoring device	SR	Savannah River Operations Office
SPM	scanning probe microscopy	SR	Savannah River (Plant)
SPM	site prioritization model	SR	search and rescue
SPM	standard preparation module	SR	service request
SPMD	single-processor multiple-data	SR	shielded receiver
SPMO	Site Project Management Office	SR	source range
SPMS	Safety Performance Measurement System (EG&G Idaho)	SR	special recovery
SPMS	Strategic Planning and Management System	SR	spray recirculation
SPO	safety project office (LANL)	SR	state route (roadway)
SPO	security police officer	SR	status report (LA-series report designator)
SPO	special project(s) office	SR	suppressed radiation
SPOC	single point of contact	S/R	safety/relief
SPP	site personnel protection	S/R	stacker/retriever
SPP	standard practice procedures	SRA	Society for Risk Analysis
SPPL	senior programmatic project leader (ER project)	SRAM	short-range attack missile
SPR	Sandia Pulsed Reactor	SRAM	static random access memory
SPR	Strategic Petroleum Reserve	SRAP	Superfund remedial accomplishment plan
SPRAA	Strategic Plans & Resources Analysis Agency (JCS)	SRAP	supplemental remedial action plan
SPREFS	space resolving framing spectrograph	SRB	safety review board
SPRPS	Site Program Resource Planning System	SRB	solid rocket booster
SPR III	Sandia Pulsed Reactor III	SRBM	short-range ballistic missile
SPS	safety precedence sequence	SRC	safety review committee
SPS	single-photon source	SRC	sample receiving custodian
SPS	Southwestern Public Service (Pantex)	SRC	Semiconductor Research Corporation
SPS	special project superintendent	SRC	solvent-refined coal
SPS	state permit system	SRCS	shipper/receiver confirmatory system
SPS	surface plasma source	SRD	secret restricted data
SPSE	Society of Professional Scientists & Engineers	SRD	service release date
SPSS	short-pulse spallation source	SRDO	snow removal duty officer (JCI)
SPSS	Statistical Package for the Social Sciences	SREF	Spallation Radiation Effects Facility
SP/ST	single pole/single throw (also SPST)	SREL	Savannah River Ecology Laboratory (U. of Georgia)
SPT	salvage property transfer	SREP	Stockpile Reliability Evaluation Program
SPT	standard penetration test	SRF	service response force (FEMA)
		SRF	Size Reduction Facility (Waste)
		SRFQ	superconducting radio-frequency quadrupole
		SRG	Safety Resource Group
		SRG	signal reference grid

SRG	spectrum-X-gamma (x-ray observatory)	SS	superfund surcharge
SRI	Stanford Research Institute	SS	suspended solids
SRI	SRI International	SS	systems and structures
SRIE	system requirements & integration engineering	S&S	safeguards and security
SRI-2	Stanford Research Institute	S/S	stabilization/solidification
SRIM	simulated radar image	SSA	sole-source aquifer
SRL	Savannah River Laboratory (WSRC)	SSA	source selection authority
SRL	site rehabilitation levels	SSAB	site-specific advisory board
SRL	special recovery line	SSAC	self-scanning electron-array collector
S.R.L.	<i>Sociedad de Responsabilidad Limitada</i>	SSAC	soil site assimilated capacity
SRM	standard reference materials/method	SSAC	State's Systems of Accounting & Control
SRO	Savannah River Operations	SSAR	standard safety analysis report
SRO	senior reactor operator	SSAT	Steady-State Advanced Tokamak
SRO	specification release order	SSBN	(nuclear-powered submarine, ballistic- missile-bearing)
SRP	Savannah River Plant	SSC	scientific support contractor/coordinator
SRP	special repair procedure	SSC	Space and Siting Committee
SRPS	space reactor power supply	SSC	stainless steel carbon
SRR	Site Recommendation Report (DOE)	SSC	state Superfund contract(s)
SRR	submittal review record	SSC	Stennis Space Center
SRR	system requirements review	SSC	structures/systems, and components
SRRO	Savannah River Restart Office (DOE)	SSC	Superconducting Supercollider
SSRPO	Salt Rock Project Office (Columbus, OH)	SSC	surface storage casks
SRRSPO	Savannah River Restart Special Projects Office (DOE)	SS&C	sand, slag, and crucible
SRS	salary review system	SSCL	Superconducting Supercollider
SRS	Savannah River Site (see SRP, SRL)	SSCLAB	Superconducting Supercollider Laboratory
SRS	site ranking system	SSD	safety scoping document
SRS	software requirements specifications	SSD	solid-state storage device (memory)
SRS	stimulated Raman scattering	SSD	standards support document
SRSS	square root of the sum of the squares	S/SD	samples and sample duplicates
SRT	spent resin tank	SSDC	Safety System Development Center
SRT	solids residence time	SSDO	Support Services Department (JCI)
SRT	spill response team	SSE	safe-shutdown earthquake
SRT	strategically relocatable target	SSE	safe-shutdown event
SRTB	Savannah River technical baseline	SSEE	subcontractor safety and environmental evaluation
SRTBI	(SRTB documents issues)	SSFI	safety system functional inspection
SRV	safety/relief valve	SSHASP	site-specific health and safety plan
S/RVO	safety/relief valve open	SSI	screening site investigation
SRxB	Reactor Systems Branch, NRR	SSI	site screening investigation
<b>SS – ST</b>		SSI	size-selective inlet
SS	safe and secure	SSI	small scale integration
SS	safety/security interface	SSI	steady-state irradiation
SS	safety stock	SSI	Supercomputer Systems, Inc.
SS	sample station	SSI	suspect site inspection
SS	settleable solids	SSIA	single-stage implosion assembled
SS	shift supervisor/superintendent	SSIMS	safeguards and security information management system
SS	site safety	SSJ	sole-source justification
SS	source & special material	SSM	specialist staff member
SS	special source	SSM	storage system manager for HPSS
SS	special studies	SSMP/RIFS	site-specific monitoring plan/work plan, remedial investigations/feasibility studies
SS	specific specification	SSMS	spark-source mass spectrometry
SS	stainless steel (also ss)	SSN	social security number
SS	stockpile stewardship		
SS	stockpile surveillance		
SS	storage server for HPSS		

SSNM	strategic special nuclear material	STA	station (distance along longitudinal axis from reference point/center of gravity)
SSO	site safety officer	STA	surface- and time-averaged
SSO	Space Sciences Office, 3/81–10/81	S&TA	Science and Technology Alliance
SSO	space shuttle orbiter (Soviet)	STAPPA	state and territorial air pollution program administrators
SSO	special security office	STAR	solenoidal tracker at RHIC (collaboration)
SSO	special systems operation (Intel)	STAR	(stability wind rose)
SSOD	special session on disarmament	STAR	state acid rain projects
SSP	site-specific plan	STAR TPC	solenoidal tracker at RHIC (STAR) time-projection chamber
SSP	stockpile sampling plan	STARS	satellite tracking & ranging station
SSP	stockpile stewardship plan	STARS	State Technology Assistance Resource System (Economic Development Department, New Mexico)
SSP	Strategic Systems Programs (U.S. Navy)	START	safety and technical assessment for readiness of technology
SSP	subsurface science program	START	Strategic Arms Reduction Talks/Treaty
SSPS	solid-state protection system	STB	Science and Technology Base Programs
SSPX	sustained spheromak physics experiment	STC	single-trip container
SSR	satellite system receiver	STC	Society for Technical Communication
SSR	secondary system relief	STC	Space Technology Center (Air Force)
SSR	site suitability report	STC	standard transportation commodity
SSR	slow-strain rate (test)	STC	Superconductivity Technology Center
SSR	specification status report	STD	standard (also std)
SSRI	Special Supporting Research Initiatives	STDM	statistical time division multiplexing
SSRL	Stanford Synchrotron Radiation Laboratory	STE	system test equipment
SSRT	single-stage rocket technology	STEL	short-term exposure limit
SSS	safe shutdown system	STEM	scanning transmission electron microscopy
SSS	secondary sampling system	STEP	Skills Training and Employment Program
SSS	seismically qualified shutdown system	STEP	Standard for the Exchange of Product (Model Data)
SSS	sensitized stainless steel	STEP	Systematic Training for Effective Parenting
SSS	shield and seismic support	STET	“let stand” (proofreading mark)
SSS	special safeguards study	STF	solar test facility
SSS	supplementary safety system (ink)	STG	scanning thermogravimetry
SSS	support services subcontractor	STGWP	state and tribal government working group
SSSA	site safeguards and security agreement	STI	scientific and technical information
SSSA	Soil Science Society of America, Inc.	STI	Space Technology Initiative
SSS ink	supplementary safety system (neutron poison solution; see Ink)	STI	Spectra Technology, Inc.
SSSP	site safeguards & security plan	STI	Superconductor Technologies, Inc. (Santa Barbara, CA)
SSPC	Steel Structures Painting Council	STI	surveillance test interval
SSRR	safeguards and security readiness review	STIP	Summer Teacher Internship Program
SST	safe secure transport (trailer) (SNM)	STIS	Scientific and Technical Information Service
SST	single-shell tank(s)	STLC	soluble threshold limit concentration
SST	site-specific (radiation) training	STM	scanning tunneling microscopy
SST	Space Science and Technology Division	STM	short-term memory
SST	station service transformer	STM	stack tritium monitor
SST	supersonic transport	STN	(active matrix color display)
SSTS	Space Surveillance and Tracking System	STN	(information access system)
SSURO	stop sale, use, and removal order (FIFRA)		
SSVCO	side-shooting virtual cathode oscillator		
SSWP	site-specific work plan		
ST	short term		
ST	sleeve target		
ST	spherical torus		
ST	static topology		
ST	STORES (on-line ordering and catalog system)		
S&T	science & technology		
STA	Science and Technology Agency (Japan)		
STA	shift technical advisor		

STN	scientific and technical information network	SUSSP	Scottish Universities Summer School in Physics
STOCK	(Laboratory Supply Warehouse; SM-30)	SUSY	supersymmetry
STOP	safety training observation program	SV	sampling visit
STORES	(LANL on-line stores ordering system; not an acronym)	SV	schedule variance
STP	sewage treatment plant	SV	Sierra Vista
STP	short-term program	SV	space vehicle
STP	spent target pool	SV	suggested viewing (training)
STP	standard temperature and pressure	S/V	survivability/vulnerability
STPA	STP—absolute	SVA	single-value first-actuation
STPG	STP—gauge	SVAFB	South Vandenberg Air Force Base
STPP	sodium tripolyphosphate	SVC	special verification commission
STRATCOM	Strategic Command (U.S.)	SVC	switched virtual circuit (see PVC)
ST&RP	stockpile test & repair parts	SVD	singular value decomposition
STRS	stimulated thermal Rayleigh scattering	SVGA	super video graphics array
STS	security termination statement	SVI	sludge volume index
STS	significant threshold shift	SVID	System V interface description
STS	silicon tracking system	SVOC	semivolatile organic compound
STS	site tracking system	SVR4	(UNIX System V, release 4)
STS	standard technical specifications	SVRR	(Russian intelligence service)
STS	stockpile-to-target sequence	SW	secondary waste
STSP	stauroporine (life sciences)	SW	slow wave
STTP	small (business) technology transfer program	SW	solid waste
STTP	source-term test program	SW	surface water
STU	secure telephone unit (STU-III)	SW	steam/water
STU	sled test unit	SW-846	(EPA-approved test methods for solid waste as per EPA-SW-846)
STU	systems test unit	SWA	Solid Waste Act
STV	standard test vehicle	SWAT	(software for armor/anti-armor tests)
STV	surface transport vehicle	SWAT	solid waste assessment test/team
		SWAT	surface water assessment team
		SWC	settlement with conditions
<b>SU–SZ</b>		SWCS	sanitary wastewater consolidation system
SU	standard unit	SWD	solid waste disposal
SU	supervisory (duties)	SWDA	Solid Waste Disposal Act
S/U	startup	SWEIS	Site-Wide Environmental Impact Statement
SUBASE	submarine base (FEMA)	SWEPP	Solid Waste Examination Pilot Plant
SUBWOG	(U.S./U.K. sub-joint working group)	SWG	safety working group
SUC	South Urals Construction	SWIE	Southern Waste Information Exchange
SUCI	sensitive use-control information	SWIMS	solid waste information management system
suFET	superconducting field-effect transistor		
SUN	Stanford University Network	SWL	static water level
SUN	Sun Microsystems Inc.	SWLF	solid waste landfill
SUNY	State University of New York	SWM	slow wire monitor
SUP	standard unit of processing	SWMS	solid waste management system
SUP	supplement/supplemental	SWMU	solid waste management unit
SUPARCO	Space & Upper Atmosphere Research Commission (Pakistan)	SWO	service work order
SUPERFISH	(accelerator code)	SWO	stop-work order
SUPERFUND	(established by CERCLA)	SWO	supercritical water oxidation
SUPERHET	super high-energy transport	SWOOPE	students watching over our planet Earth
SUPO	(built from the HYPO water boiler nuclear reactor; 1951–1974 neutron source)	SWOP	special weapons operating procedure (U.S. Navy)
SURE	sulfate regional experiment program	SWP	safety/special work permit
SURF	spent unprocessed fuel	SWP	solid waste processing
SURV	Space Utilization Research Center (Japan)	SWP	State Water Plan
		SWPPP	storm water pollution prevention plan

SWQB	Surface Water Quality Bureau (NMEID)	TA-17	(canceled)
SWR	Special Water Reactor	TA-18	Pajarito Laboratory
SWR	standing wave ratio	TA-19	(removed 1975)
SWRB	stormwater retention basin	TA-20	Sandia Canyon Site (abandoned 1957)
SWRF	stored waste retrieval facility	TA-21	Disposal of Plutonium
SWRI	Southwest Research Institute (Texas, also SwRI)	TA-22	TD Site
SWS	salt water system	TA-23	(removed 1950)
SWS	scientific workstation	TA-24	T (now in S Site)
SWS	service water system	TA-25	Y (now in S Site)
SWSA	solid waste storage area	TA-26	(removed 1966)
SWSC	sanitary wastewater systems consolidation	TA-27	Gamma Site (abandoned 1945)
SWU	separative work unit	TA-28	Magazine Area A
SX	solvent extraction	TA-29	Magazine Area B
SXR	specification exception release	TA-30	(removed 1946)
SYNCH	(synchronous communications concentrator)	TA-31	(removed 1954)
SYS	system	TA-32	(removed 1954)
SYSOP	system operator	TA-33	HP Site

## T

T	technology administration (DOC)	TA-34	(canceled)
T	telephone	TA-35	Ten Site Laboratory
T	test equipment (nomenclature)	TA-36	Kappa Site
T	Theoretical Division, 1943–	TA-37	Magazine Area C
T	thesis (LA-series report designator)	TA-38	(canceled)
T	transition metal	TA-39	Ancho Canyon
T	travel, official (attendance code)	TA-40	DF Site
T	T-Site (TA-240)	TA-41	W Site
TA	teaching assistant	TA-42	Incinerator Site (abandoned 1970)
TA	technical area	TA-43	Health Research Laboratory (HRL)
TA	technical assistance	TA-44	Los Angeles Shop (abandoned 1956?)
TA	terminal adapter	TA-45	(removed 1967)
TA	test authority/authorization	TA-46	WA Site (TA-46)
TA	timing algorithm	TA-47	Bruns Railhead (BR) Site
TA	transfer aisle	TA-48	Radiochemistry Site
TA	transverse-acoustic	TA-49	Frijoles Mesa Site
TA	travel authorization	TA-50	Waste Management (WM) Site
T&A	time and attendance	TA-51	Radiation Exposure Facility
TA-1	Old Main Technical Area	TA-52	Reactor Development Site
TA-2	Omega West Reactor	TA-53	Meson Physics Facility
TA-3	South Mesa Site	TA-54	Waste Disposal Site
TA-4	(removed, 1950)	TA-55	Plutonium Facility
TA-5	Beta Site (abandoned 1960)	TA-56	Subterrene Basalt Site
TA-6	Two-Mile Mesa Site	TA-57	Fenton Hill Site
TA-7	Gomez Ranch Site (abandoned 1945)	TA-58	Two Mile North Site (proposed)
TA-8	Anchor Site West	TA-59	Occupational Health Site (OH)
TA-9	Anchor Site East	TA-60	Sigma Mesa Site
TA-10	(removed 1963)	TA-61	East Jemez Site
TA-11	K Site	TA-62	Northwest Site
TA-12	L Site (abandoned 1953)	TA-63	Pajarito Service Area
TA-13	P Site (now part of TA-16)	TA-64	Central Guard Site
TA-14	Q Site	TA-65	
TA-15	R Site	TA-66	Central Technical Support Site
TA-16	S Site	TA-67	Pajarito Mesa Site
		TA-68	Water Canyon Site
		TA-69	Anchor North Site
		TA-70	Rio Grande Site
		TA-71	Southeast Site
		TA-72	East Entry Site (target range)
		TA-73	Airport Site

TA-74	Otowi Site	T&B	top and bottom
TAA	Trade Agreement Act	TBA	to be arranged
TAC	terminal access control	TBC	time base corrector/correction
TAC	training advisory committee	TBC	to be considered
TACT	technical area coordinating team	TBCCO	thallium-barium-calcium-copper oxide (superconductivity)
TACV	tracked air-cushion vehicle	TBD	technical baseline document
TAD	tactical air defense	TBD	to be determined
TADM	tactical atomic demolition munition	TBM	temporary benchmark
TADP	technology assessment development plan	TBM	theater ballistic missile
TADP	technology assessment and development program	TBP	tributylphosphate
TAEF	traffic accident evaluation committee	TBP/OK	tri-n-butyl phosphate/odorless kerosene
TAG	technical advisory group	TBSCCW	turbine building secondary closed (loop) cooling water
TAG	technical assistance grant	TBT	tributyltin
TAG	technology assessment group		
TAG	test advisory group		
TAG	text and graphics	<b>TC – TE</b>	
TAG	transition advisory group	TC	target concentration
TAH	total artificial heart	TC	technical characteristics/center
TAL	target analyte list	TC	temperature compensating
TALM	temperature alarm monitor	TC	temperature controller
TALMS	tunable atomic line molecular spectroscopy	TC	test component
TALON	Theater-Application Launch-On-Notice (hypervelocity missile)	TC	thermal conductivity
TAMS	tandem accelerator mass spectrometry	TC	thermocouple
TAN	test area north	TC	time capture/clock
TANSTAAFL	there ain't no such thing as a free lunch	TC	total carbon
TAO	TSCA Assistance Office (EPA)	TC	tower, cooling
TAP	tank advisory panel	TC	toxic concentration
TAP	target advisory panel	TC	training and certification (Weapons Activity fund type code)
TAP	technical assistance program	T/C	thermocouple
TAP	thermoacoustic projector	TCA	tank, compressed air
TAP	toxic air pollutant(s)	TCA	thermal critical assembly
TAP	training accreditation program	TCA	1-1-1-tetrachloroethane
TAPI	telephony application programming inter- face (Intel, Microsoft)	TCA	trichloroethane
TAR	technical assistance request	TCB	task control block
TAR	travel authorization request	TCB	terminal connection box
TAS	technical assistance subcontractor	TCDBF	tetrachlorodibenzofuran
TAS	transfer accountability system	TCDD	tetrachlorodibenzo- <i>p</i> -dioxin (dioxin)
TASLP	technical area structure location plans	TCDF	tetrachlorodibenzofurans
TASM	tactical air-to-surface missile	TCE	trichloroethylene
TASP	technology assessment and selection panel	TCG	topical classification guide
TASP-PWT	TASP–Plutonium Working Team	TCI	Technology Commercialization Initiative
TASS	Threat Assessment Scheduling System	TCIS	TIE control and integration subsystem
TAT	technical assistance team	TCL	target compounds list
TATB	triaminotrinitrobenzene (insensitive HE)	TC/LD	thermocouple/lead detector
TATD	threat assessment training device	TCLP	total concentrate leachate procedure
TB	(connecting block)	TCLP	toxicity characteristic leaching procedures
TB	technical bulletin	TCM	toxic and chemical materials
TB	tedlar bag	TCM	transportation control measure
TB	total body	TCM	trellis coded modulation
TB	tuberculosis	TCMX	2-4-5-6 tetrachlorometaxylene
TB	turbine building	TCP	technical change proposal
T/B	target/blanket	TCP	transmission control protocol
		TCP	transportation control plan
		TCP	trichloropropane
		TCPI	to-completion cost performance index

TCPP	Tritium Contingency Production Program	TDTF	Thermal Distortion Testing Facility
TCR	telephone conversation record	TDTOX	tetrachlorooxylene
TCRI	toxic chemical release inventory	TDY	tour of duty/temporary duty
TCS	tank, condensate steam	TE	(Defense Environmental Restoration and Waste Management fund type code)
TCS	translation confinement and sustainment	TE	target extraction
TCSUH/MCC	Texas Center for Superconductivity at the University of Houston and Microelectronics and Computer Technology Corporation (Austin)	TE	temperature element
TCT	thermocouple tree	TE	thermal expansion
TCTNB	trichloro-trinitro-benzene (explosive)	TE	thermoelectric
TCV	temperature control valve	TE	transient event
TCW	tank, condensate water	TE	transverse-electric
TCWCIS	transuranic contaminated waste container information system	TE	tritium extraction
TCWS	tungsten circulating water system	T/E	thermoelectric
TD	TD Site (TA-22)	T&E	test and evaluation
TD	technology development	T&E	threatened and endangered
TD	test director	T&E	time and effort
TD	theoretical density	T&E	training and evaluation
TD	Theoretical Design Division, 01/71-09/79	TEAM	Technologies Enabling Agile Manufacturing
TD	thermal desorption	TEAM	total exposure assessment model
TD	time delay	TEAP	transportation emergency assistance plan
TD	time dependent	TEC	technical support series/technician
TD	total depth	TEC	total electron content
TD	toxic dose	TEC	total estimated cost
TD	Treasury Department	TECC	Training and Education Coordinators Committee
T&D	training and development	TED	track etch dosimeters
TDAS	TOW data acquisition system	TED	transient electrical discharge
TDB	technology database	TEDE	total effective dose equivalent
TDC	thermal diffusion coefficient	TEEC	training and education coordinators committee
TDD	technical document description	TEF	Test and Evaluation Facility
TDD	telecommunications device for the deaf	TEFC	totally enclosed fan cooled
TDD	test design description	TEFRA	Tax Equity & Financial Responsibility Act
TDDE	time domain differential equation	TEG	tetraethylene glycol
TDEA	technical data export authorization (form)	TEG	thermoelectric generator
TDF	Treatment Development Facility	TEGD	technical enforcement guidance document
TDG	transportation of dangerous goods (Canada)	TEL	tetraethyl lead
TDG	two-dimensional glow (code)	TEL	transporter-erector-launcher
TDH	total developed head	TELEX	telephone exchange
TDIE	time domain integral equation	TEM	Texas episodic model
TDL	target detection limit	TEM	thermoelectric electromagnetic
TDM	time division multiplex/multiplexing	TEM	transmission electron microscope
TDM	TRAC De-Mangler	TEM	transverse electromagnetic
TDMA	time division multiple access (mobile phone standard)	TEMPEST	telecommunications emission security
TDMCN	Theoretical Division Monte Carlo Neutron (old code)	TEN	Training and Education Network
TDMP	technical data management plan	TENR	technologically enhanced naturally radioactive
TDOA	time difference of arrival	TENV	totally enclosed, nonventilated
TDP	technical detail procedure	TEP	technical evaluation panel
TDR	test deficiency report	TEP	technology experts panel
TDR	time domain reflectometry/reflectometer	TEPC	tissue-equivalent proportional counter
TDRS	tracking data relay satellite	TEPLA	tensile plasticity (model)
TDS	time delay switch	TEPP	transportation emergency preparedness program
TDS	total dissolved solids	TER	technical evaluation report

TERA	terminal effects research and analysis	TI	therapeutic index
TERLS	Thumba Equatorial Sounding Rocket Launching Station (India)	TI	transport index
TES	technical enforcement support/services	TIA	(National) Telecommunications & Information Administration (DOC)
TESS	transition efficiencies in safeguards & security	TIAC	Technical Identification & Analysis Center
TET	torqueing electrical terminations	TIB	temporary import bond
TexAS-ONE	(Texas consortium)	TIBL	thermal internal boundary layer
		TIC	Technical Information Center (DOE; now OSTI)
		TIC	technical information coordinator
		TIC	tentatively identified compounds
		TIC	time interval counter
		TIC	toxicity identified compounds
		TIC	Transportation Information Center
		TID	tamper-indicating device
		TID	total integrated dose
		TIDE	tactical international data exchange
		TIE	technical information exchange
		TIE	Technical Integration Program
		TIE	technology integration experiment
		TIFF	tagged image file format
		TIG	terminal Internet gateway
		TIG	the Installation Group
		TIG	tungsten inert gas
		TIGR	thermally induced gallium removal
		TII	time interval inspection
		TILI	TeraPlex Intermediate Language Interface
		TIM	ten-inch instrument manipulator
		TIM	time interval meter
		TIM	training implementation matrix
		TIMS	thermal ionization mass spectrometry
		TIN	triangulated irregular network
		TIP	technology investment program
		TIP	terminal Internet protocol
		TIP	total ionizables present
		TIP	transportation improvement program
		TIP	treaty implementation plan
		TIPP	transionospheric pulse pair
		TIR	Technical Information Release (form)
		TIR	total indicated runout
		TIR	total indicator reading
		TIR	totally internal reflecting/reflection
		TIROS	television & infrared observation satellite
		TIS	(National) Technical Information Service (DOC)
		TIS	technology investment strategy
		TIS	total integrated scattering
		TIS	tube ion source
		TISE	take it somewhere else (see NIMBY)
		TITANS	Theoretical Institute for Thermonuclear and Nuclear Studies
		TJNAF	Thomas Jefferson National Accelerator Facility
		TK	tank
		TK	Tektronix, Inc.
		TKN	total Kiedahl nitrogen
<b>TF – TL</b>			
TF	(Materials Production fund type code)		
TF	two fluid		
T/F	(field emission enhanced thermionic emission)		
TFA	total fatty acids		
TFA	transfer function analyzer		
TFD	Thomas-Fermi-Dirac (method)		
TFE	thermionic fuel element		
TFF	Target Fabrication Facility		
TFF	Test Fabrication Facility		
TFOS	Tank Farm Operations Subcouncil		
TFSG	training financing study group		
TFT	thin-film transistor (disp)		
TFTE	temporary full-time equivalent		
TFTR	tokamak fusion test reactor		
TG	task group		
TG	turbine generator		
TGA	thermal/thermogravimetric analysis		
TGA	trace gas analysis		
TGCS	tritium gas containment subsystem		
TGD	technical guidance document		
TGHS	tritium gas handling subsystem		
TGLD	Task Group on Lung Dynamics		
TGO	total gross output		
TGR	toxic gas release		
TGS	tomographic gamma scanner		
TGSCC	transgranular stress corrosion cracking		
T/H	thermal and hydraulic		
THAAD	theater high-altitude area defense		
THC	total hydrocarbons		
THERP	technique for human error rate prediction		
THF	tetrahydrofuran		
THL	thermal-hydraulic limits		
THM	trihalomethane		
THORP	Thermal Oxide Reprocessing Plant		
THREX	thresholded experiments		
THT	token hold time (network)		
THTF	Thermal Hydraulic Test Facility (ORNL)		
THTR	thorium high-temperature reactor		
THTS	tungsten heat transport system		
TI	temperature indicator		
TI	temporary intermittent		
TI	test instruction		
TI	Texas Instruments		

TL	time limited	TMU	transmission message unit
TL	tritium loadout	TMV	toxicity, mobility, or volume
TLA	three letter acronym	TN	thermonuclear
TLCC	total life cycle costs	TN	thermoplastic nitrile
TLD	thermoluminescent dosimetry/dosimeter	TN	Tracor Northern
TLE	treaty-limited equipment	TN3270	(telnet variant for IBM mainframe)
TLI	transport-level interface	TNA	thermal neutron (activation) analysis
TLI	treaty-limited item	TNB	trinitrobenzene
TLR	technical letter report	TNC	thermal neutron counter
TLS	transfer-line spill	TNF	theater nuclear forces
TLS	transparent LAN service (networking)	TNF	tumor necrosis factor (life sciences)
TLU	table look-up	TNR	thermal neutron radiography (LANSCE)
TLV	threshold limit value	TNS	tungsten neutron source
TLV	time, length, and value (telecom.)	TNT	2,4,6-trinitrotoluene (explosive)
TLV-C	threshold limit value - ceiling	TNT	trinitrotolual/trinitrotoluene
TLV-STEL	TLV - short-term exposure limit	TNW	theater nuclear weapon/war
TLV-TWA	TLV - time-weighted average	TO	task order
<b>TM – TO</b>			
TM	technical manual (U.S. Army)	TO	technical order
TM	technical memorandum	TO	transverse-optic
TM	technical monitor	TO	travel order
TM	telemetry	TO	turnover
TM	temperature monitor	T/O	turnover
TM	thematic mapper (Landsat images)	TOA	time of arrival
TM	trademark	TOA	trace organic analysis
TM	transition metal	TOA	type of address (telecom./computing)
TM	transverse-magnetic	TOAC	tritium operations advisory committee
TM	tritium monitoring	TOC	tactical operations center
TM	turbomolecular	TOC	technical overview committee
TM	Two-Mile Mesa Site (TA-6)	TOC	total organic carbon
T-M	time and materials	TOC	total organic compounds
T&M	time and materials	TOC	total organic compounds
TMA	transfer mass allocations	TOC	toxic organic compound
TMAC	Toxic Materials Advisory Committee	TOD	theoretical oxygen demand
TMA TFMS	tetramethylammonium trifluoromethanesulfonate	TOF	time of flight
TMC	Thinking Machines Corp.	TOFI	time-of-flight isochronous (spectrometer)
TMD	theater missile defense	TOFMS	time-of-flight mass spectroscopy
TMD	transient mass distribution	TOP	time-orbiting potential (trap)
T&MD	Tooling & Machine Design Department (Pantex)	TOPAZ	(temperature analysis code)
TMDL	total maximum daily load	TOPAZ	(Russian space research reactor)
TMI	Technology Maturation Initiative	TOPS	(file-serving program; TOPS, Inc.)
TMI	Three Mile Island	TOPS	Teacher Opportunities to Promote Science
TMIS	technical management information system	TORT	test operations review team
TMLB	(risk assessment: station-blackout transient)	TOS	type of service (telecom.)
TM/LP	thermal margin/low pressure	TOSCA	(3-dimensional magnet code)
TMRS	target-moderator-reflector-shield	TOSCA	Toxic Substances Control Act (also TSCA)
TMS	tool-made sample	TOSPAC	Total System Performance Assessment Code
TMS	transition metal systems	TOT	time of travel
TMSS	technical manual specifications and standards	TOT	total on-time
T&MSS	Technical & Management Support Services	TOTO	tongue of the ocean (AUTECH)
TMT	thermomechanical treatment	TOV	total organic volatile
		TOW	tube-launched, optically-tracked, wire- guided anti-tank missile
		TOX	tetradichlorooxylene
		TOX	total organic halides/halogens
		TOXLINE	toxicology information on line
<b>TP – TR</b>			

TP	technical publication	TRAC	teacher research associate(s)
TP	test plan	TRAC	training and analysis command
TP	test pressure/procedure, total pressure	TRAC	transient reactor analysis code
TP	thermographic phosphor	TRACER	Transportable Remote Analyzer for Characterization and Environmental Remediation
TPA	third-party administrator	TRADE	Training Resources and Data Exchange
TPA	transuranic package area	TRADE	Tri-Area Association for Economic Development
TPA	tri-party agreement	TRADOC	Training and Doctrine Command (U.S. Army, Ft. Gordon)
TPC	Technical Program Committee	TRAIN	Transportation Assessment and Integration
TPC	temperature profile capsule	TRAM	transient multiplexer
TPC	temporary procedure change	TRANSX	transport cross section (NJOY/ENDF)
TPC	total project/program costs	TRANSIMS	Transportation Analysis and Simulation System
TPCI	Transportable Cesium Irradiator	TRC	technical review committee
TPCS	tungsten primary coolant system	TRC	total recordable cases
TPD	tons per day	TRD	technical records database (JCI)
TPD	Toxics & Pesticides Division (EPA)	TRD	technical requirements document
TPDU	transport protocol data unit (telecom.)	TRD	transition radiation detector
TPG	Technical Program Group (NRC committee)	TRD	transit routing domain (telecom.)
TPH	total petroleum hydrocarbons	TRE	total rare earths
TPI	technical proposal instructions	TRE	turbidity removal evaporator
tpi	tracks per inch	TREAT	transient reactor test
TPL	transient protection limit	TRED	Technology-Based Regional Economic Development (Sandia)
TPL	Tritium Processing Laboratory (Japan)	TREE	transient radiation effects on electronics
TPM	technical program manager	TRF	temporary relocatable facility
TPM	test planning meeting	TRG	technical review group
TPM	thermal power monitor	TRG	test review group
TPO	technical project/program officer	TRI	time-reversal invariance
TPO	test program office	TRI	toxic release inventory
TPQ	threshold planning quantity	TRIB	transfer rate of information bits
TPR	technical project review	TRIPS	Travel Reporting/Information/Planning System
TPS	tritium processing system	TRIPSII	Travel Reporting Information Planning System
TPSAA	test, pack, ship, assembly & acceptance	TRIR	toxic relief inventory reports
TPT	temporary power tap	TRISP	time-resolved infrared spectral photography
TPTF	Two-Phase Test Facility (Japan)	TRIUMF	Tri-Area University Meson Facility
TPTH	triphenyltinhydroxide	TRIUMF	Tri-Universities Meson (Physics) Facility/ Factory (British Columbia, Canada)
TPU	total propagated uncertainty	TRIV	time-reversal invariance violation
TPX	Tokamak Physics Experiment	TRL	Tritium Research Laboratory
TPY	tons per year	TRLN	Triangle Research Library Network
TQAR	technical quality assurance representative	TRM	Trailmaster (program)
TQM	total quality management	TRM	trial run model
TR	technical representative/review	TRM	training reference manual
TR	Tech Reps	TRM	transuranic-mixed (waste)
TR	temperature recorder	TRO	temporary restraining order
TR	Thunder Range	TROFF	text/typesetter runoff (UNIX formatter)
TR	time restraint	TRP	technology reinvestment project
TR	Times Roman (font)	TRP	Tokai Reprocessing Plant (Japan)
TR	topical report	TRP	tuition reimbursement program
TR	traffic		
TR	trainer (nomenclature)		
TR	transformer room		
TR	(records) transfer request (form)		
TR	travel request (form)		
TR	tritium recovery		
TR	threat reduction		
TR	tubular reactor		
T-R	transformer-rectifier		
TRA	test reactor area		

TRR	test and research reactor	TSM	Tonopah Spring Member
TRRS	time-resolved reflection spectroscopy	TSO	technical support office
TRS	total reduced sulfur	TSP	thrift savings plan
TRT	token rotate time (network)	TSP	total suspended particles/particulates
TRU	transuranic nuclides	TSP	training section procedure
TRU	transuranic/transuranium	TSP	treatability study plan
TRUEX	transuranic (component) extraction	TSP	trisodium phosphate
TRUPACT	Transuranic Waste Package Transporter	TSPA	total system performance assessment
TRUSAF	Transuranic Storage & Assay Facility	TSPO	Technical Support Program Office
TRW	TRW Inc.	TSQ	training staff qualifications
<b>TS–TT</b>		TSR	technical safety requirement/review
TS	technical specifications	TSR	technical specification requirement
TS	technical support (series)	TSR	terminate-and-stay-resident (program)
TS	test specification	TSR	thermal shock rig
TS	top secret	TSR	total stress range
TS	toxic substance	TSRC	technical security resources center
TS	treatment system	TSS	terminal security system
TS	tritium storage	TSS	timesharing subsystem/system
TSA	(Alcoa ceramic composite)	TSS	total suspended solids
TSA	target software agent(s)	TSS	Transportation Safety System
TSA	technical safety appraisal	TSS	tritium separation system
TSA	technical security area	TS&T	technical, scientific, and trade study report
TSA	technical support area	TSTA	Tritium Systems Test Assembly
TSA	Technology and Safety Assessment Division, 10/93–	TSTE	target source term experiments
TSA	Transuranic Storage Area	TSU	<i>Tsentral'noye Statisticheskoye Upravleniye</i> ; Central Statistical Administration
TSAP	Thermal System Analysis Program	TT	temperature transmitter
TSAT	saturation temperature	TT	test temperature
TSC	task sequence controller	TT	transition technologies
TSC	Training Steering Council	TT	tube trailer
TSCA	Toxic Substances Control Act (1976)	tt	tube turns
TSCG	Telecommunications Satellite Corporation of Japan	TTA	Tiger Team Assessment
TSCM	technical surveillance countermeasures	TTAP	Tiger Team Action Plan
TSCM	temperature scram circuit monitor	TTBT	Threshold Test Ban Treaty
TSCO	top secret control officer	TTC	Transportation Technology Center
TSD	technical scope document	TT&C	telemetry, tracking, and control
TSD	technical support document	TTCAP	Tiger Team Corrective Action Plan
TSD	test scope description	TTCS	technology transfer & commercialization staff
TSD	transportation, storage, and disposal	TTF	transient time flowmeter
TSD	treatment, storage, and disposal (also T/S/D)	TTFA	target transformation factor analysis
TSE	technical surveillance equipment	TTFN	ta-ta for now
TSE	tritium science and engineering	TTG	technical task group (State)
TSEP	Teachers' Summer Employment Program	TTHM	total trihalomethane
TSF	Tritium Salt Facility	TTI	technology transfer initiative (DOE)
TSF	Tritium Separation Facility	TTL	technical team leader
TSFF	Tritium Science & Fabrication Facility	TTL	time to live (IP packet header)
TSG	technical steering/support group	TTL	transistor-transistor logic (chip)
TSH	target sleeve housing	TTLA	Tiger Team at Los Alamos
TSI	technical site information	TTLC	total threshold limit concentration
TSI	TEMPEST security index	TTO	total toxic organics
TSI	Transportation Safety Institute	TTOC	Tiger Team Operations Center
TSIG	Trusted Systems Interoperability Group	TTP	technical task plan
TSL	Ten Site Laboratory (TA-35)	TTR	thermal test reactor
TSM	technical staff member	TTR	time to repair
		TTR	Tonopah Test Range

TTR trend tracking report  
 TTS temporary threshold shift  
 TTS time-temperature-sensitization  
 TTV tenth thickness value  
 TTY teletype message  
 TTY teletype/teletypewriter

**TU – TZ**

TU temporary unit  
 TU tritium unit  
 Tuballoy “Tube Alloys Limited”; natural (or depleted) uranium  
 TUI Trans-Uranium Institute  
 TUNL Triangle Universities Nuclear Laboratory  
 TV time variance  
 TVA Tennessee Valley Authority  
 TVC Technology Ventures Corporation (1993, Martin Marietta)  
 TVL tenth-value layer  
 TVO total volatile organics  
 TW tare weight  
 TWA time-weighted average/authority  
 TWA two-way alternate (see TWS)  
 TWC tank, water, chilled/city/cool  
 TWC Texas Water Commission  
 TWCP TRU Waste Characterization/Certification Program  
 TWF transuranic waste facility  
 TWFM traveling wire flux monitor  
 TWG technical working group, LANL LLC  
 TWG test working group  
 TWH tank, water, hot  
 TWISP Transuranic Waste Inspection Project (Area G, TA-54)  
 TWODANT Two-Dimensional, Diffusion-Accelerated, Neutral Particle Transport (Discrete Ordinates Code)  
 2,4,5-T trichlorophenoxyacetic acid  
 TWRS Tank Waste Remediation System  
 TWS two-way simultaneous (telecom.) (see TWA)  
 TWT tank, waste treatment  
 TWT traveling wave tube  
 TWTSEF transuranic waste treatment & storage facility  
 TWX teletypewriter exchange service  
 TWX teletype transmission  
 TX tank, expansion/compression  
 TXD transient x-ray diffraction  
 TY type (nomenclature)  
 TZ treatment zone  
 TZM The Zia Manual (Zia Co. Health & Safety Manual)  
 TZU transport protective container

## U

U uncleared  
 U unclassified  
 U unit (nomenclature)  
 U up (quark)  
 UA University of California Audits  
 u.a. *und andere*; and others (German)  
 u.a. *unter anderem*; other things  
 u.a. *unter andern*; among others (inter alia)  
 UAC user advisory committee  
 UAE unrecoverable application error  
 UAM urban airshed model  
 UAP uranyl ammonium phosphate  
 UAQI uniform air quality index  
 UARG utility air regulatory group  
 UARS Upper Atmosphere Research Satellite (NASA)  
 UART universal asynchronous receiver/transmitter  
 UAS urban airshed (model)  
 UBC Uniform Building Code  
 UC unclassified  
 UC University of California  
 UCA ultraclean air  
 UCB University of California at Berkeley  
 UCC ultra clean coal  
 UCC Uniform Commercial Code  
 UCC utilities control center  
 UCD University of California at Davis  
 UCIDI unemployment compensation disability insurance  
 UCDRD University of California Directed Research & Development  
 UCG underground coal gasification  
 UCI University of California at Irvine  
 UCIP Undergraduate Co-op/Intern Program  
 UCL upper confidence level  
 UCL upper control limit  
 UCLA University of California at Los Angeles  
 UCN ultra-cold neutron  
 UCND Union Carbide Nuclear Company  
 UCNI Unclassified Controlled Nuclear Information  
 UCOP UC Office of the President  
 UCPAP UC Personnel Assignment Program  
 UCR unconditioned response  
 UCR undercolor removal  
 UCR unit carcinogenic risk (probability per dose unit of producing cancer)  
 UCR University of California at Riverside  
 UCR usual, customary, and reasonable (health care charges)  
 UCRL University of California Research/Radiation Laboratory

UCRP	Univ. of California Retirement Plan	ULH	unit labor hours
UCRS	Uniform Contractor Reporting Service (DOE)	ULISSES	Uranium Line for Separation Science of Enriched Scrap
UCRS	Univ. of California Retirement System	ULMS	undersea long-range missile system
UCS	unconditioned stimulus	ULP	unfair labor practices
UCS	unconfined compression strength	ULP	upper layer protocol
UCS	Union of Concerned Scientists	ULR	Unassigned Land Reserve (TA-0)
UCSB	University of California at Santa Barbara	ULSI	ultra large scale integration (microprocessor chips)
UCSC	University of California at Santa Cruz	UMDO	Utilities Department (JCI)
UCSD	University of California at San Diego	UMT	uranium mill tailings
UCSF	University of California at San Francisco	UMTRA	uranium mill tailings remedial action
UCSP	upper core-support plate	UMTRCA	Uranium Mill Tailings Radiation Control Act
UCT	universal coordinated time	UN	United Nations
UDBR	Upper Demonstration Breakout Room	UN	uranyl nitrate
UDH	Utah Department of Health	UNAMAP	Users' Network for Applied Modeling of Air Pollution
UDP	user datagram protocol (transport layer)	UNC	University of North Carolina
UDRI	University of Dayton Research Institute	UNCERT	(FLOWTRAN-FI with uncertainties)
<b>UE – UR</b>		UNDP	United Nations Development Program
UE	uniform elongation	UNE	underground nuclear explosion
UE	United Electric	UNEP	United Nations Environment Program
UEIC	Unplanned Event Information Center (RF)	UNGA	United Nations General Assembly
UEL	upper explosive limit	UNH	uranium nitrate hexahydrate
UF	ultrafiltration	UNICOM	unified communications
UF	uncertainty factor	UNICORN	UNICOS Real-time NADIR
UF	urea-formaldehyde	UNICOS	UNIX-based Cray Operating System (accelerator in Darmstadt, Germany)
UFIS	user-funded interim storage	UNILAC	University of Nevada at Las Vegas
UFL	upper flammable limit	UNLV	University of Nevada at Las Vegas
UFSAR	updated final safety analysis report	UNM	University of New Mexico
UFT	ultrafast track	UNMA	unified network management architecture
UGEX	Underground Experiment ( <i>see</i> AGEX)	UNM/LA	University of New Mexico/Los Alamos branch campus
UGS	undergraduate student (program)	UN/NA #	United Nations/North America number
UGT	underground test	UNO	ultimate neutrino observatory
UHE	ultrahigh energy	UNR	University of Nevada at Reno
UHF	ultra-high frequency	UNWMG	Utility Nuclear Waste Management Group
UHG	ultra high gain (antenna)	UO	University Outreach
UHTREX	Ultra-High-Temperature Reactor Experiment (1969)	UOGF	uranium off-gas filter
UHV	ultrahigh vacuum	UOI	utilities operating instruction
UHVP	ultrahigh-velocity projectile	UOR	unusual occurrence report
UHWM	uniform hazardous waste manifest/material	UORS	unusual occurrence reporting system
UI	UNIX International	UP	Union Pacific Railroad
UI	unnumbered information	UP2, UP3	<i>Usines (Unités) de production de plutonium</i> (la Hague, France)
UIC	underground injection control (programs)	UPC	Uniform Plumbing Code
UIC	University of Illinois at Chicago	UPC	universal product code
UICC	Union Internationale Contre le Cancer	UPI	upper plenum injection
UIG	underground injection control (SDWA)	UPL	unacceptable pollutant level
UIS	user interface specification	UPO	Utilities Program Office
UISSM	unclassified ISSM	UPR	uranium production reactor
U.K.	United Kingdom	UPS	uninterruptible power supply/system
UKAWE	Atomic Weapons Establishment (U.K.)	UPS	ultraviolet photoemission spectroscopy
UL	Underwriters' Laboratories, Inc.	UPS	United Parcel Service
UL	upper level	UPTF	Upper Plenum Test Facility (Germany)
ULAC	uranium/liquid-argon calorimeter	UPW	uniform present worth
ULD	upper level discriminator		

UR	University Relations	USFWS	United States Fish and Wildlife Service
UR	unsatisfactory report	USGS	United States Geological Survey
UR	user requirement	USH	universal sleeve housing
URA	ultrareduced redundant array	USIA	United States Information Agency
URA	uniformly redundant array	USMA	United States Military Academy (West Point)
URA	uniform resource address	USN	ultrasonic nebulization
URA	Universities Research Association	USNA	United States Naval Academy (Annapolis)
URA	uranium recycle acid	USNCB	United States Naval Construction Battalion (SEABEES)
URC	ultrasonic resin cleaner	USNR	United States Naval Reserve
URD	underground residential distribution	USNRC	U.S. Nuclear Regulatory Commission
URL	uniform resource locator (Web/Internet)	USNRDL	United States Naval Radiological Defense Laboratory
URMA	utilities replacement & modification accord	USPHS	United States Public Health Service
URMF	Underrepresented Minority and Female Program	USPTO	United States Patent & Trademark Office
URN	uniform resource name (Web)	USQ	unresolved/unreviewed safety question
URR	utilities external review board	USRADS	ultrasonic ranging and data system
URSE	University Relations & Science Education	USS	United States ship
URSI	Union of Radio Science International (French)	U.S.S.R.	Union of Soviet Socialist Republics (obsolete) (also USSR)
URT	upper respiratory tract	UST	underground storage tank
URV	unit risk values	USTA	U.S. Trademark Association
<b>US–UZ</b>		USTENN	University of Tennessee Center for Biotechnology
U.S.	United States (also US)	USTR	underground storage tank regulation
USA	United States Attorney	USTR	United States Transuranium Registry - Richland, Washington
USABC	U.S. Advanced Battery Consortium (Chrysler, Ford, General Motors & EPRI; consortium)	USWB	United States Weather Bureau
USACE	United States Army Corps of Engineers	UT	ultrasonic testing/transducer
USACM	(U.S. Public Policy Committee of the Association for Computing Machinery)	UT	universal time (zulu, GMT)
USAEC	United States Atomic Energy Commission	UTB	uranium tritide storage beds
USAF	United States Air Force	UTC	unit type code
USAKA	United States Army, Kwajalein Atoll	UTC	universal time coordinated (GMT)
USASDC	U.S. Army Strategic Defense Command	UTCG	Underground Testing Coordinating Group
USATHAMA	U.S. Army Toxic & Hazardous Materials Agency	UT/CSD	United Technologies/Chemical Systems Division
USB	universal serial bus	UTIC	universal tool interface coupling
USBM	United States Bureau of Mines	UTL	upper tolerance limit
USC	uniform (unified) soil classification	UTM	Universal Transverse Mercator (coordinates)
U.S.C.	United States Code	UTOS	United Technology Optical Systems
USC	University of Southern California	UTP	unshielded twisted pair
U.S.C.A.	United States Code Annotated	UTP	urban transportation planning
USCG	United States Coast Guard	UTR	University (of California) technical representative
USC&GS	United States Coast and Geodetic Survey	UTR	university training reactor
USCS	unified soil classified service	UTS	ultimate tensile strength
USCS	United States Commercial Standard	UU	ultimate use/user
U.S.C. Supp.	United States Code Supplement	UU	ultimate user (packaging specification)
USD	upper structure dynamics	UofU	University of Utah
USDA	United States Dept. of Agriculture	UUCP	UNIX-to-UNIX Copy program/network
USDW	underground source(s) of drinking water	UURI	University of Utah Research Institute
USEF	Institute for Unmanned Space Experiments Force Flyer (Japan)	UUT	unit under test
USENET	UUCP network	UV	ultraviolet (also uv)
USFS	United States Forest Service	UV	undervoltage

UV-A ultraviolet radiation-A range  
 UV-B ultraviolet radiation-B range  
 UV-C ultraviolet radiation-C range  
 UVP ultraviolet peroxide  
 UVSC uranium ventilation scrubber cell  
 UV-VIS ultraviolet-visible (absorption spectrum)  
 (also UV-vis)  
 UWB ultrawideband  
 UWO Undersea Warfare Office  
 UWSFC United Way of Santa Fe County  
 UXO unexploded ordnance  
 UZ unsaturated zone  
 UZM unsaturated zone monitoring

## V

V vacation (attendance code)  
 V V-Site (TA-25)  
 VA Veteran's Administration  
 VA vital area  
 VA vulnerability assessment  
 V-A vector-axial  
 VAD ventricular assist device  
 VADB Visitor Access Database  
 VADM vice admiral  
 VAFB Vandenberg Air Force Base  
 VAFC VESA Advanced Feature Connections  
 VAL vehicle administrative liaison  
 VAM vibration acoustical monitoring  
 VAMS Visits & Assignments Management System  
 VAN value-added network  
 VAR vacuum arc remelt  
 VAR value-added reseller (agreement)  
 VAR variance analysis report  
 VAR visual-aural range  
 VASA visual approach slope indicator  
 VASIMR variable specific impulse magnetoplasma rocket  
 VAT value-added tax  
 VAT vinyl asbestos tile  
 VAX virtual address extension (DEC computer)  
 VB valance band  
 VB vapor barrier  
 VBE/AI VESA BIOS extension/audio interface  
 vBNS very-high-speed backbone network server  
 VBR variable bit rate  
 VC vaporizer concentrate  
 VC virtual circuit  
 V/C vaporization/condensation  
 VCA voluntary corrective/cleanup action  
 VCAP voluntary corrective action plan  
 VCM vinyl chloride monomer  
 VCM voluntary corrective measure  
 VCO voltage-controlled oscillator  
 VCP vitrified clay pipe

VCR variable compression ratio  
 VCR video cassette recorder  
 VDI video device interface  
 VDISK virtual disk  
 VD/OS vacuum distillation/overflow sampler  
 VdP Van der Pol  
 VDT video display terminal  
 VDTT velocity, density, thermocouple tree  
 VDU video display unit  
**VE – VJ**  
 VE (Isotope Production & Distribution fund type code)  
 VE value engineering  
 VE vertical elutriators  
 VE visual emissions  
 VENTSY ventilation system unavailability  
 VEO visible emission observation  
 VEOR variable efficiency output rhomb  
 VER volume expansion ratio  
 VERIP voluntary early retirement incentive program  
 VERONICA very easy rodent-oriented net-wide index to computerized archives  
 VES vapor extraction system  
 VES Visitor and Educational Services, 08/80–  
 VESA Video Electronics Standards Association  
 VF vaporizer feed  
 VFC variable-flow cooling  
 VFD volunteer fire department  
 VFI void fraction instrument  
 VFQ variable-field quadrupole  
 VFR visual flight rules  
 VFW video for Windows (Microsoft)  
 VG vacation grant (attendance code)  
 VGA video graphics array (IBM standard)  
 vgl. *vergleiche*; compare (German)  
 VH vacuum hohlraum  
 V&H vertical and horizontal (coordinates)  
 VHAP volatile hazardous air pollutant  
 VHE very high energy  
 VHEU very highly enriched uranium  
 VHF very high frequency  
 VHN Vickers hardness number  
 VHO volatile halogenated organics  
 VHRA very high radiation area  
 VHS vertical & horizontal spread model  
 VHSIC very high speed integrated circuit  
 VHT vehicle-hours of travel  
 VHT very high temperature  
 VI vent isolation  
 VI viscosity index  
 VI visitor  
 vi visual editor (UNIX)  
 VI Visual Interface  
 V&I verification and intelligence  
 VIC vector in commander  
 VICTORIA (fission-product transport code)

VIDI/O	video input/output	VOA	Voice of America
VINES	Virtual Networking System (Banyan)	VOA	volatile organic analysis
VIP	very important person	VOA	Volunteers of America
VIS	visitor	VOC	(voice file, digital recording)
VISAR	velocity interferometer system for any reflector	VOC	volatile organic contaminant/compound
VISTTA	visibility impairment from sulfur transformation & transport in the atmosphere	VO-COOP	vocational cooperative student program
VITA	Volunteers in Technical Assistance	VOF	volume of fluid
VITC	vertical interval time code (SMPTE standard)	VOG	vessel off-gas
VIV	variable inlet vane	VOH	volatile organic hydrocarbons
<b>VK–VR</b>		VOM	volt-ohmmeter
VKT	vehicle-kilometers traveled	VOS	virtual operating system
VL	various locations	VOST	volatile organic sampling train
VL	video local (Video Electronics Standards Association local bus standard)	VOTS	VAX OSI Transport Service
VLA	very large array	VP	vapor pressure
VLAND	very large area neutron detector	VP	variance propagation
VLBA	very long baseline array	VP	velocity pressure
VL&C	vulnerability, lethality, and countermeasures	VP	vice president
VL&E	vulnerability, lethality, and effects	VPCE	vapor phase catalytic exchange
VLF	very low flow	VPM	video profile monitor
VLF	very low frequency	VPM	virtual pinhole microscope
VLFC	very low flow constant	VPN	virtual private network
VLIW	very long instruction word	VPP	Voluntary Prevention Program
VLP	viruslike particle	VQ	vector quantization
VLS	vertical launch system	VR	vehicle representative
VLSI	very large-scale integration	VR	ventilation and radiation
VLSIC	very large scale integrated circuit(s)	VR	volume reduction
VM	virtual memory	VRAM	video random access memory
VM	volatile matter	VRC	vertical redundancy check
VM	voltmeter	VRE	vibrating reed electrometers
VMAX	maximum volume to be remediated	VRML	virtual reality modeling/markup language
VMC	valve maintenance corridor	VRS	vacuum relief system
VM Channel	video media channel (Video Electronic Standards Association)	<b>VS–VZ</b>	
VME	Versa Module European	VS	vacation sick (attendance code)
VME	virtual memory extension	VS	vapor suppression
VMOS	vertical metal oxide semiconductor	VS	virtual storage
VMS	Virtual Memory System (developed by Digital Equipment Corporation)	VS	VSM; visiting staff member
V-MT	vitrication using microwaves and thermal energy	VSAT	very small aperture terminal
VNIIE	(All-Union Scientific Research Institute of Electric Power Engineering)	VSD	variable speed drive
VNIIEF	(All-Russian Scientific Institute of Experimental Physics, Arzamas-16)	VSD	virtually safe dose
VNIITF	(All-Russian Scientific Institute of Technical Physics)	VSF	virtual file system (POSIX)
VNIPIET	(All-Russian Design and Scientific Research Institute of Integrated Power Engineering Technology)	VSI	visual site inspection
		VSM	virtual shared memory
		VSM	visiting staff member
		VSP	vehicle survivability program
		VSP	vertical seismic profiling
		VSP	Vision Service Plan
		VSS	volatile suspended solids
		VSSC	Vikram Sarabhai Space Centre (India)
		V/STOL	vertical/short takeoff and landing
		VSWR	voltage-standing wave ratio
		VSX	verification suite for X/Open
		VT	virtual terminal
		VT	visual testing
		VT	voting time (attendance code)
		VTC	video teleconference (center)

VTI Dzerhinskiy All-Union Institute of Health  
Engineering  
VTS vacuum thermal stability  
VTS vertical tube storage  
VU vector units  
VU veeder units (control rod position)  
VUL vulnerability (unit)  
VUV vacuum ultraviolet  
VV vapor volume  
VVCS vacuum vessel coolant system  
VVER *vodo-vodyanoy energeticheskiy reaktor*;  
Russian pressurized-water reactor  
VWE vanadium wire equilibration  
VWO valves wide open  
VWR VWR Scientific, Inc.; Van Waters and  
Rogers (in-plant store)  
VZMW vadose zone monitor well

WAFFOG wire and fluorescent fiber offset grid  
WAG waste area grouping(s)  
WAG wild-assed guess  
WAIS wide-area information server  
WAN wide area network  
WAND waste acceptance for nonradioactive  
disposal  
WANTO Weapons Agencies Nondestructive  
Testing Organization  
WAO wet-air oxidation  
WAP waste acceptance process  
WAP waste analysis plan (RCRA)  
WAP weapon appraisal process  
WAPA Western Area Power Administration  
WAPR weapon assembly product record  
WAPS waste acceptance preliminary  
specifications

WAS work authorization system  
WASP waste accountability, shipping, packaging  
WATCHCON watch condition (intelligence)  
WATS wide-area telephone system  
WAV (sound wave file)  
WAVE (particle code)  
WB wet bulb  
WB whole body  
WBC white blood cell  
WBC whole-body count  
WBCN wide band communications network  
WBE women-owned business enterprise  
WBL Whitham-Bdzil-Lambourn  
WBNS water-boiler neutron source  
WBRDP Water Boiler Reactor Decommissioning  
Project  
WBS work breakdown structure

## W

W warhead (designator)  
W waste  
W Weapons Engineering Div, 7/48–9/72  
W weekend shift (attendance code)  
W Westinghouse Electric Corporation  
W W Site (TA-41)  
W-2-W wall-to-wall (property inventory)  
W3 World Wide Web  
W-70 Lance missile warhead  
W-79 artillery shell warhead  
W-82 howitzer shell warhead  
W-84 GLCM warhead  
W-87 MX warhead  
WA (General Science & Research fund code)  
WA WA Site (TA-46)  
WA washer, air  
WA weapons assembly  
WA work assignment  
WAA waste accumulation area  
WAAS wide-area augmentation system (global  
satellite positioning)  
WABI Windows Application Binary Interface  
WAC waste acceptance criteria  
WAC WIPP acceptance criteria  
WACC waste acceptance criteria committee  
WACS work authorization control systems  
(DOE)  
WAD weak acid dissociable  
WAD work authorizing document  
WADS work authorization directives (DOE)  
WADTF Western Atmospheric Deposition Task  
Force  
W-AESD Westinghouse—Advanced Energy  
System Division

## WC – WI

WC water closet  
WC water column  
WC weather condition  
WCA Workers' Compensation Administration  
WCC Woodward-Clyde Consultants  
WCED World Commission on Environment &  
Development  
WCF waste-calcinating/calcining facility  
WCO wet catalyzed oxidation  
WCR weapons complex reconfiguration  
WCR/DC WCR/Washington, DC  
WCS waste compaction station  
WCWS window circulating water system  
WD ED-Site (TA-45)  
WD (Nuclear Waste fund type code)  
WD waste disposal  
WD weapon data  
WD wiring diagram (drawing no. prefix)  
WD withdrawn  
WDAS waste drum assay system  
WDC weapons depreciation costs

WDID	weapons diagnostic instrumentation and development (building)	WI	working instructions
WDRG	Washington Defense Research Group	WICEM	World Industry Conference on Environmental Management
WDS	water disposal system	WICI	Women In Communications, Inc.
WDS	wavelength dispersive x-ray spectroscopy	WinDD	Windows Distributed Desktop
WDSP	Weapons Design Standardization Panel	WIGGLE	(time-dependent axial power distribution code based on 1-D diffusion theory)
WDV	water dilution volume	WILT	waste interface leaching test
WE	weapon engineering	WIMP	weakly interacting massive particle
WEAF	Waste Examination Assay Facility (OR)	WIMS	Winfrith improved multigroup reactor (code)
WEC	Westinghouse Electric Corporation	WIN	waste information network
WED	waste engineering development	WINCO	Westinghouse Idaho Nuclear Company
WEFF	Waste Encapsulation and Fractionation Facility	WINSOCK	Windows sockets
WEL	Women's Executive Leadership (Program)	WIP	work in progress
WELL	Whole Earth 'lectronic link	WIPP	Waste Isolation Pilot Plant (Carlsbad, NM)
WEMPE	wideband electromagnetic pulse environment	WIR	weapon information report
WEP	water-extended polyester	WIS	weapon information system
WERC	Waste Management Education and Research Consortium	WIS	Women in Science (program)
WERF	waste experimental reduction facility	WISE	Women in Science and Engineering
WERL	waste engineering research laboratory	WISR	Westinghouse Independent Safety Review
WESF	Waste Encapsulation & Storage Facility		
WESST	Women's Economic Self-Sufficiency Team	<b>WJ – WR</b>	
WESTPO	Western (Governors') Policy Office	WJSA	W.J. Schafer Associates
WET	waste extraction test	WKB	Wentzel-Kramers-Brillouin (see also JWKB)
WET	Weapons Engineering Tritium (S-Site)	WKS	worksheet
WETF	Weapons Engineering Tritium Facility (TA-16)	WKS	workstation subsystem
WEU	Western European Union	WL	warning letter
WF2C	WorkForce 2000 Council	WL	working level(s) (radon measurement)
WFO	waste facilities operations	WLA	wasteload allocation
WFO	work for others	WLA/TMDL	wasteload allocation/total maximum daily load
WFPM	Western fine particulate monitoring	WLD	Water and Land Division (EPA)
WFQ	waste form qualification	WLM	working level month
WG	waste gas	WLT	weakest link theory
WG	water/wire gauge	WM	waste management
WG	weapons grade	WM	WM Site (TA-50)
WG	working group (work group)	WM	women-owned minority business
WGA	Western Governors' Association	WMAP	waste minimization award program
WGC	working group coordinator	WMC	waste management coordinator
WGI	Washington Group, Inc.	WMC	waste minimization coordinator
WGI	within-grade increase	WMCO	Westinghouse Materials Company, Ohio
WGWA	Working Group for Waste Acceptance	WMD	Water Management Division (EPA)
WH	warhead	WMD	weapon of mass destruction
WH	Westinghouse	WMDO	Work Management Department (JCI)
WHAP	whole arm proximity sensor (Sandia)	WMF	Windows metafile format
WHB	waste handling building	WMFU	Waste Minimization Facility Upgrade
WHC	Westinghouse Hanford Company	WMIN	waste minimization
WHIMS	wet high-intensity magnetic separation	WMIS	waste management information system
WHO	World Health Organization (UN)	WMM	weapon materials and manufacturing
WHPP	waste handling and packaging plant	WMO	waste management operations
WHPP	Wellhead Protection Program	WMO	World Meteorological Organization
WHTS	window heat transport system	WMOSD	Waste Management and Operational Surety Division (DOE)
WI	water intrusion	WMP	waste management plan
WI	weapon initiator		

WMP	watershed management plan	WRDA	Water Resources Development Act (1986)
WMPO	Waste Minimization Program Office	WRD&T	weapons research, development & testing
WMR	welding material requirement	WRI	World Resources Institute
WMSC	Waste Management Steering Committee	WRITE	Waste Reduction Innovative Technology Evaluation
WNINTEL	(Warning Notice: Intelligence Sources and Methods Involved)	WRITE	Writing Resources Interlaboratory Talent Exchange
WNR	Weapons Neutron Research (facility at LANSCE, TA-53)	WRM	wide-range monitor
WNRC	Washington National Records Center	WRSM	Water Reactor Safety Information Meeting
WNSL	Wright Nuclear Structure Laboratory (Yale)	WRSS	water removal and storage system
WNT	waste neutralization tank	WRT	with respect to
WO	waste operations		
WO	work order (request)		
WOC	weapons operating costs	<b>WS – WZ</b>	
WOCC	waste operations control center	WS	weapon science
WOG	water, oil, or gas	WS	width skew
WORM	write-once read-many (optical drive)	WS	Women in Science (also WIS)
WOS	work order system	WS	worker safety and health (OSHA)
WP	warm pipe	WS	work status
WP	Warsaw Pact	WS	World Services
WP	waste package	W&S	wisdom and sense
WP	waterproof	WSA	wilderness study area
WP	word processor/ing	WSC	Washington Science Center (Rockville, MD)
WP	work package/procedure	WSC	waste stream characterization
WP	work plan	WSC	World Space Congress
WPAS	Work Package Approval System	WSCP	Western States Coordinating Council
WPC	Warrior Preparation Center (U.S. Army)	WSCP	water-soluble chelating polymer/ultra-filtration
WPC	Weapons Programs Control (Rocky Flats)	WSCS	window secondary cooling system
WPCF	Water Pollution Control Federation	WSD	Wage and Salary Dept, 09/54–01/80
WPCG	Waste Package Coordinating Group	WSF	water-soluble fraction
WPCS	window primary coolant system	WSL	Weapons Subsystems Laboratory
WPD	weapon program description	WSMR	White Sands Missile Range
WPE	word processing equipment	WSQ	wavelet scalar quantization
WPF	Waste Preparation Facility	WSRC	Westinghouse Savannah River Company
WPF	waste profile form	WSRIC	waste stream & residue identification & characterization
WPM	words per minute	WSS	Windows sound system
WPR	waste profile request	WSS	work smart standards
WPR	weapon product record	WSSRAP	Weldon Spring Site Remedial Action Project (St. Louis)
WPRA	wavy plate reactive armor	WT	wall thickness
WPRS	waste profile request (form)	WT	waste transfer
WPS	welding procedure specification	WT	watertight
WPSO	WIPP Project Site Office	WT	weapon testing
WPTP	work package task pages	WT	wild type
WQA	Water Quality Act (1987)	WT	work ticket
WQC	water quality criteria	WTE	waste to energy
WQCC	Water Quality Control Commission, NM	WTF	waste treatment facility
WQR	welder qualification record	WTPF	Water, Toxics & Pesticides Staff (EPA)
WQT	welder (performance) qualification test	WTS	wastewater and tank systems
WQ&T	water quality and testing	WTSHRD	Water & Toxic Substances Health Research Division (EPA)
WR	war reserve	WV	West Valley
WR	Western Range	WVDP	West Valley Demonstration Project
WR	wide range		
WRA	water reducing admixture		
WRAP	waste receiving and processing plant		
WRC	Water Resources Council		

WVHLW	West Valley high-level waste
WVN	water vapor nitrogen
WVP	waste vitrification projects
WVQ	wavelet vector quantization
WWEMA	Waste & Wastewater Equipment Manufacturers Association
WWF	World Wildlife Fund
WWG	weapons working group
WWMCSS	worldwide military command and control system
W/WTSD	Westinghouse Waste Technology Services Division
WWTP	wastewater treatment plant
WWW	World Wide Web (network [CERN])
WX	Design Engineering Division
WYSIWIG	what you see is what you get
WYSIWIS	what you see is what I see

**X**

X	Applied Theoretical and Computational Physics Division, 10/93–
X	Applied Theoretical Physics Division, 10/79–10/93
X	Explosives Division, 8/44–8/48
X	X-Site (TA-17)
XA	extended architecture
XA	(Uranium Enrichment fund type code)
XAFS	x-ray absorption fine structure
XANES	x-ray absorption near-edge structure
XAS	x-ray absorption spectroscopy
XCL	(command languages and shells)
XCMD	external command (HyperCard)
XCS	experimental contamination studies
XDR	external data representation
XEDS	x-ray energy dispersive spectrometer
XENIX	(SVID-compliant operating system)
XFCN	external function (HyperCard)
XGA	extended graphics array (IBM; obsolete)
XID	exchange information (telecom.)
XINU	(XINU is not UNIX)
XIP	execute in place
XLO	ex-cell-0
XLPE	cross-linked polyethylene
XMM	x-ray multimirror
XMTR	transmitter
XNET	extended network (access system)
XNS	Xerox Network System
XOR	exclusive or
XOS	x-ray optical systems
XPG	X/Open Portability Guide
XPS	x-ray photoelectron/photoemission spectroscopy
XPVM	executable parallel virtual machine (visualization tool)
XR	export reactor

XRD	x-ray diode
XRD	x-ray diffraction (techniques)
XRF	x-ray fluorescence
XRPL	x-ray proximity lithography
XT	extended technology (IBM, 1983)
XTAL	crystal
XTX	extex (extrudable explosives)
XVS	X/Open validation suite
XU	x units
XUI	X-Windows user interface
XUNET	experimental university network (AT&T)
XUV	extreme ultraviolet
XUV	x-ray ultraviolet
XUV/FEL	extreme ultraviolet free-electron laser
X-WAV	UNIX sound format

**Y**

Y	(nuclear) yield
Y	yaw
Y-12	(Oak Ridge uranium enrichment plant)
YA	(Energy Supply R&D fund type code)
YAC	yeast artificial chromosome(s)
YAG	yttrium aluminum garnet (laser)
YBCO	yttrium-barium-copper oxide (ceramic superconductor)
YBP	years before present
Y/C	luminance and chrominance (S-video)
YLF	yttrium lithium fluoride—trillium crystal
YM	Yucca Mountain
YMCK	yellow magenta cyan black
YMMV	your mileage may vary
YMP	Yucca Mountain Project
YOC	yield over clean
YOW	your own words
YP	yellow pages
YR	year YS      yield strength
YSO	yttrium oxyorthosilicate (scintillator)
YTD	year-to-date
YUV	(tv color space in PAL, some NTSC formats)

**Z**

Z	atomic number
Z	Ordnance Division, 7/45–3/48
Z	Zulu; Greenwich Mean Time or Universal Coordinated Time
z.B.	<i>zum Beispiel</i> ; for example (German)
ZBB	zero base budgeting
ZEA	zero energy assembly
ZEM	zero-effort miss
ZGS	zero gradient synchrotron
ZHE	zero headspace extractor

ZID	zone of initial dilution
ZISC	zero instruction set computer
Z lock	(device for temporarily securing classified material)
Z number	(LANL employee number; "Zia number")
ZOI	zone of incorporation
ZOTT	zeroing in on the truth
ZPA	zero period acceleration
ZPG	zero population growth
ZPM	zone project manager
ZPPR	Zero Power Plutonium Reactor
ZPSS	Zion Probabilistic Safety Study
ZRL	zero risk level
ZTO	zero time outage
ZVI	zero-valent iron