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Acronyms, Initialisms, and Abbreviations

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Abstract

This document contains an updated list of common acronyms, initialisms, and abbreviations used at Sandia. It will be published in an electronic format only. It can be retrieved from <HTTPS://wfsprod01.sandia.gov/groups/srn-uscitizens/documents/document/wfs048643.pdf>

Click on the “find” button  in the Adobe Acrobat toolbar to search for a word or acronym. An alphabetical index is available in the Bookmarks screen to expedite searches.

If readers of this document want to add an unclassified acronym or correct an existing one, please send an email to CreativeArts@sandia.gov. All changes will be reviewed by Classification prior to publication of a new version.

An acronym is a combination of letters that can be pronounced as a word. An initialism is an unpronounceable combination of letters.

General Avoid overwhelming your reader with acronyms and initialisms.

An **acronym** is an abbreviation that is formed by combining the first letter or letters of several words. Acronyms are pronounced as words. Examples include:

modem = modulator and demodulator

EPCOT = Experimental Prototype Community of Tomorrow

NATO = North Atlantic Treaty Organization

An **initialism** is an abbreviation that is formed by combining the initial letter of each word in a multiword term. Initialisms are pronounced as separate letters. Examples include:

CRT = cathode ray tube

GUI = graphical user interface

WFO = work for others

When using an acronym or initialism for the first time in text, enter the full phrase in its expanded version followed by the abbreviated form in parentheses. Example: Sandia National Laboratories (SNL). In a short report, one expanded version is sufficient. However, in a lengthy report, you may want to repeat the expanded version in a later section to refresh the reader's memory, followed by parentheses.

Plurals Form the plural of an acronym or initialism by adding **s**, as in PMFs. Use the apostrophe only when it may be confusing, as in Kd's.

Using **a** or **an** **Acronyms:** The indefinite article to be used with an acronym is determined by the initial sound of the "word." Examples: a FORTRAN program, or an Ada programmer.

Initialisms: The indefinite article to be used is determined by the initial sound of the initialism's first letter. If the first letter has a vowel sound use "an," as in "an SNL employee." If it has a consonant sound, use "a," as in "a WFO proposal."

Capitalization Capitalize **acronyms**; do not use periods. The only exceptions are those acronyms that have become accepted as common nouns, which are written in lower case. Examples: NASA, HUD, laser, scuba.

Initialisms may be either upper or lower case. In general, do not use periods when they are in uppercase.

List of Acronyms, Initialisms, and Abbreviations

A

a—1. atto or atto- (prefix indicates 10^{-18}) 2. a unit of area equal to 100 m^2 (used mainly in agriculture)

A—ampere (also written as amp)

A or **Å**—angstrom, a unit of length (10^{-10}) used primarily to express wavelengths of optical spectra; also known as tenthmeter

aA—absolute ampere; also, abampere

AA—1. atomic absorption 2. affirmative action 3. alcoholics anonymous (a Sandia support group) 4. assistant administrator

AAAP—accelerated access authorization program

AAAS—American Association for the Advancement of Science

AABC—Associated Air Balance Council

AABL—advanced atmospheric burst locator

AAC—affirmative action compliance

AACG—American Association for Crystal Growth

AADCP—Army Air Defense Command Post

AACS—airborne activity confinement system

AAFB—Andrews AFB

AAFCE—Allied Air Forces, Central Europe (NATO)

AAI—abbreviation, acronyms, and initialisms

AAM—air-to-air missile

AANC—Aging Aircraft Nondestructive Center (sometimes written as Aging Aircraft NDI Validation Center)

AAO—Amarillo Area Office (DOE)

AAP—1. affirmative action plan (or program) 2. adoption assistance program 3. antenna aperture package

AASM—advanced air-to-surface missile

AASP—administrative assistant scholarship program

AAU—accelerated aging unit

AAW—anti-aircraft warfare

AB—1. airburst 2. as-built

abamp—absolute ampere

ABAQ—Albuquerque/Bernalillo County air quality

ABC—1. advanced biomedical capsule 2. Atomic biological, and chemical (warfare) 3. Advanced Battery Consortium

A-BC/AQCB—Albuquerque-Bernalillo County/Air Quality Control Board

ABF—advanced bomb family

ABITE—antenna built-in test equipment

ABL—1. atmospheric burst locator 2. armored box launcher 3. airborne laser

ABLE—Affiliated Black Laboratory Employees

ABLS—armored box launcher system

ABM—antiballistic missile

ABOSF—automatic burnout safety factor

ABRS—advanced ballistic reentry system

ABRV—advanced ballistic reentry vehicle

abs—absolute

ABS—automatic block signaling

AB/SB—airburst/surface burst

ABW—Air Base Wing

ac or AC—alternating current (variable polarity)

aC—abcoulomb (electromagnetic unit)

AC—access control

ACA—adult children of alcoholics (a Sandia support group)

ACAD—advanced computer-aided design

ACARS—access control and release system

ACBM—asbestos-containing building material

ACC—1. Alarm Control Center 2. Air Component Command 3. Air Combat Command (The ACC has combined the former TAC and SAC into one command.) 4. abnormal condition control

ACCD—aircraft compatibility control drawing

ACCEL—automated circuit card-etching layout

ACCORD—new generation of software tools for mechanical design and manufacturing automation

ACCS—1. Auxiliary Central Control Station 2. Army Command and Control System

ACD—1. armed convoy defenders 2. automatic call distribution

AC&D—alarm communication and display

ACDA—Arms Control and Disarmament Agency

ACE—1. access control element 2. access control electronics 3. automatic checkout equipment 4. alternate common equipment 5. Atmospheric Compensation Experiment 6. Allied Command Europe 7. almanac, connectivity, and ephemeris

Ac-Em—actinium-emanation

ACERS—American Ceramic Society

ACES—atmospheric combustion exhaust simulator

ACF—access control facility

acfm—active cubic feet per minute

ACH—1. automated clearing house 2. air changes per hour

ACHP—Advisory Council on Historic Preservation

ACIA—1. asynchronous communications interface adapter 2. asynchronous communications interface alarm

ACIS—Alan, Charles, Ian System (Part of the CAD System)

ACL—1. access control list 2. alternative concentration limit

ACM—1. Association for Computing Machinery 2. advanced conventional munitions 3. advanced cruise missile 4. asbestos-containing material

ACMV—advanced cruise missile—variant

ACNFS—Advisory Committee on Nuclear Facility Safety

AC/NUC—Assistant Controller, Nuclear (in Atomic Weapons Establishment, England)

ACO—advance change order

ACO(UK)—Atomic Coordinating Office, United Kingdom

**ACP—1. asbestos-containing product
2. (Albuquerque) Associates' Concerns Program**

ACRE—automatic checkout and readiness equipment

ACRR—annular core research reactor (upgraded acronym for ACPR)

ACRS—Advisory Committee on Reactor Safeguards

**ACS—1. advanced computer system
2. altitude control system 3. automated cartridge system 4. advanced coded switch
5. access control system 6. approved calibration system**

A&CS—access and clearance system

ACSM—alternate computer security manager

ACSO—assistant computer Security Officer

ACT—advanced circuit technology

ACTI—advanced computational technology initiative

AcU—actinouranium (nuclear physics)

ACU—automatic calling uni

ACV—armored combat vehicle

ACWEG—advanced conventional weapons engineering group

ad—adjoint

AD—1. arming device 2. advanced development 3. aerodynamic diameter

A.D. —anno Domini (in the year of the Lord)

**A/D—1. analog to digital (see ADC)
2. arm/disarm**

Ada—a high order computer language being developed by the Department of Defense

**ADA—1. arming device assembly
2. Americans with Disability Act**

ADAC—alarm display and assessment console

ADAM—advanced database and modeling

ADAPT—Advanced Design and Production Technologies

**ADAS—1. automatic data analysis system
2. alarm display and assessment system**

**ADC—1. analog to digital converter
2. Air Defense Command 3. atomic demolition charge 4. authorized derivative classifier**

ADCOM—Aerospace Defense Command

ADCON—Address Constant (computers)

ADD—arm/disarm device

AD&D—accidental death and dismemberment

**ADDS—1. automated drawing data system
2. automated design definition system**

ADEA—1. Army Development and Employment Agency 2. Age Discrimination Employment Act

ADEP—advanced development earth penetrator

**ADF—1. adaptive digital filtering
2. automatic direction finder**

**ADI—1. asynchronous data interface
2. acceptable daily intake**

ADIZ—air defense identification zone

ADL—1. alarm data length 2. Advanced Devices Laboratory, Inc.

ADM—1. atomic demolition munition 2. action description memorandum 3. atomic description memorandum

ADN—ammonium dinitramide

ADNET—administrative network

ADP—1. automated (or automatic) data processing 2. advanced development program 3. adaptive digital predictor 4. anticipated disability program

ADPA—American Defense Preparedness Association

ADPD—automated dry powder dispenser

ADPE—automated data processing equipment

ADR—alternative dispute resolution

ADRC—ARC digitized raster graphic

ADROIT—code for analyzing dispersal risk occurring in transportation

ADROV—advanced development and remotely operated vehicle

ADS—1. automatic data system 2. access delay system 3. ALCOA Defense System (obsolete; now McDonnell Douglas Technologies, Inc.) 4. activity data sheet 5. automatic depressurization system

ADSID—air-delivered seismic intrusion detector

ADSN—AFTAC distributed subsurface network

ADSS—activated denial security system

ADTC—Armament Development and Test Center

ADT&E—advanced development test and evaluation

ADVICE—advanced image communication and enhancement

AE—allowable emissions

A-E or A/E—architect and engineer

AEA—Atomic Energy Act

AEA-UK—Atomic Energy Authority, United Kingdom

AEC—Atomic Energy Commission (obsolete; now the Department of Energy)

AECS—advanced entry control system

AED—advance electronic design

AEDA—atomic energy defense activities

AEDC—Arnold Engineering Development Center (USAF)

AEM—analytical electron microscope

AEMS—acoustic emission monitoring service

AEOD—analysis and evaluation of operational data (NRS)

AEP—antenna electronics package

AEPDS—automated EAM processing and dissemination system

AEPT—advanced extraction process technology

AER—advance engineering release

AES—1. acceptable equipment system 2. Auger electron spectroscopy 3. advanced exterior sensor 4. advanced encryption standard

AET—accelerated environmental test

AEU—accelerated environmental unit

af—audio frequency

aF—attofarad (replaces abfarad)

AF—augmentation force

A&F—1. arming and firing 2.arming and fuzing

AFA—arming and fuzing assembly

AFAP—artillery fired atomic projectile

AFAS—advanced field artillery system

AFATDS—advanced field artillery tactical data system

AFATL—Air Force Armament Test Laboratory

AFB—Air Force Base

AFBC—atmospheric fluidized-bed combustion

**AFC—1. automatic frequency control
2. automatic flight control**

AFCEA—Armed Forces Communications and Electronics Association

AFCENT—Allied Forces, Central Europe (NATO)

AFD—arming and fuzing device

AFE—antiferroelectric

AFEWC—Air Force Electronic Warfare Center

AF&F—arming, fuzing, and firing

AFFF—aqueous foam-forming fluid

AFGL—Air Force Geophysics Laboratory

AFIT—Air Force Institute of Technology

AFLC/NSO—Air Force Logistics Command/Nuclear Support Office

AFLCR—Air Force Logistics Command Regulation

AFMC—Air Force Materiel Command

AFNORTH—Allied Forces Northern Europe

AFOC—Air Force Operations Center

AFOSP—Air Force Office of Security Police

**AFP—1. approved funding program
2. authority for payment**

AFPL—Air Force Phillips Laboratory

AFR—1. Air Force Regulation 2. away from reactor (unit modifier)

AFRPL—Air Force Rocket Propulsion Laboratory

AFS—arming and fuzing system

AFSATCOM—Air Force Satellite Communications

AFSC—Air Force Systems Command

AFSCR—Air Force Systems Command Regulation

AFSD—Air Force Space Division

AFSMC—Air Force Space and Missile Systems Center

AFSOUTH—Allied Forces Southern Europe (NATO)

AFSPACECOM—Air Force Space Command

AFSRB—Army Fuze Safety Review Board

AFSSD—Air Force Space Systems Division

AFSTC—Air Force Space Technology Center

AFT—a file transfer

AFTAC—Air Force Technical Applications Center

AFTEC—Air Force Test and Evaluation Center

AFTF—alert fire team facilities

AFV—army family of vehicles

AFWL—Air Force Weapons Laboratory (now Air Force Phillips Laboratory)

AGARD—advisory group for aerospace research and development

AGB—automated glovebox bagout

AGC—automatic gain control

AGE—aerospace ground equipment

AGEX—above ground experiment

AGL—above ground level

AGM—air-to-ground missile

AGNS—Allied General Nuclear Services

AGOV—acid gases/organic vapors

AGP—accelerated graphics port

AGR—advanced gas-cooled reactor

AGS—advanced guidance set

AGSP—authorized ground station personnel

AGT—aboveground test

AGV—automated guided vehicle

AGVT—advanced ground vehicle technology

AGZ—actual ground zero

aH—abhenry

Ah—ampere hour

AHAMS—automatic hardness assurance monitoring system

ASHERA—Asbestos Hazards Emergency Response Act

AHJ—authority having jurisdiction

AHM—anti-helicopter mine

AHP—analytic hierarchy process

AH-PCRC—Army High Performance Computing Research Center

AHS—American Helicopter Society

AHU—air handling unit

AI—1. Atomics International 2. artificial intelligence

A/I—accident investigation

AIA—1. Army Intelligence Agency 2. automatic incident action 3. Automated Imaging Association

AIAA—American Institute of Aeronautics and Astronautics

AIAAM—advance-interrupt (or intercept) air-to-air missile

AIB—anti-intrusion bar

AIC—acceptable intake for chronic (exposure)

AICBM—anti-intercontinental ballistic missile

AICHe—American Institute of Chemical Engineers

AICPA—American Institute Certified Public Accountants

AICUZ—air installation compatible use zone

**AIDS—1. adaptive intrusion data system
2. automated information distribution system**

AIE—acceptance inspection equipment

AIEE—American Institute of Electrical Engineers

AIFI—automatic in-flight insertion

AIFV—armored infantry fighting vehicle

AIHA—American Industrial Hygiene Association

AIID—Association for Information and Image Management

AIM—Accident Investigation Manual

AIME—American Institute of Metallurgical (and Petroleum) Engineers

**AIMS—1. assessment information management system
2. authenticated item monitoring system**

AIP—American Institute of Physics

AIRAPT—International Association for the Advancement of High Pressure Science and Technology (American Translation)

AIRS—advanced inertial reference sphere (missile guidance)

**AIS—1. automatic intercept system
2. administrative information systems
3. adventures in super computing (program)
4. acceptable intake for subchronic (exposure)**

AISES—American Indian Science and Engineering Society

AIT—advance information technology

AIU—armament interface unit

AK—adaption kit

A-K—anode/cathode

aka—also known as

AKM—model designation for the Soviet assault rifle

Al—aluminum (chemical symbol)

AL—1. Albuquerque Operations Office(DOE Field Office; use DOE/AL) 2. action level

ALAP—as low as practicable

ALARA—as low as reasonably achievable

ALAS—automated logistical analysis system

**ALBM—1. air-launched ballistic missile
2. air, land, and battle management**

ALBURT—Albuquerque budget reform task

ALC—advanced landfill cover

ALCC—Airborne Launch Control Center

ALCD—advanced landfill cover demonstration

ALCM—air-launched cruise missile

ALDR—Abstracts of Limited Distribution Reports (a TIC publication)

ALDS—automatic lighting detection system

ALE—Arbitrary Lagrangian Eulerian

ALEGRA—code being tested on the Paragon system (Physics)

AlGaAs—aluminum gallium arsenide

ALGOL—algorithmic language (computers)

ALI—annual limit on intake

AL-KAO—Albuquerque (Operations Office)/Kirtland Area Office

ALN—adaptive learning network

ALO—air liaison officer

ALOE—analysis of local oriented edges (software developed by SNL for breast-cancer detection)

ALPF—adaptive low-pass (electrical) filter

ALS—advanced light source

alt or ALT—1. altitude 2. alternator 3. alteration 4. altimeter

ALTL—appraisal logistics team leader

ALU—arithmetic-logic (or logical) unit

ALV—autonomous land vehicle

a.m.—ante meridiem (before noon)

A/m—amperes per meter

Am—1. americium (chemical symbol) 2. ammonium (chemical symbol)

AM—1. amplitude modulation (electrical) 2. asbestos management

A/m—amperes per meter

AMA—1. automatic message accounting (computers) 2. administrative management activity 3. American Medical Association

AMAC—aircraft monitor and control

AMACS—alarm multiplexer communications system (computers)

AMAD—activity mass aerodynamic diameter

AMC—1. advanced maintenance concept 2. Army Materiel Command 3. Army Missile Command

AMCO—Administrative Management Committee (or Council) (SNL)

AMCS—alarm multiplexer communications system

AMD—advanced micro devices

AMEC—advanced materials processes for economics development

AMEF—Agile Manufacturing Enterprise Forum

AMENDS—Army MICOM electronic notarized document system

AMEX—American Express

AMH—automated message handler

AMI—advanced manufacturing initiative

AMIP—Army model improvement program

AMM—automated maintenance management

AMMPEC—advanced materials and manufacturing processes for an economic competitiveness

AMMS—automated maintenance and management system

AMO—1. Albuquerque Microelectronics Operations (formerly Bendix Albuquerque Operations) 2. aerial measurement operation

amp—ampere (also written as A)

AMPL—Advanced Manufacturing Processes Laboratory (formerly the Process Development Laboratory)

AM-PM—amplitude modulation/phase modulation

AMPS—airborne multisensor pod system

AMR—Atlantic Missile Range

AMRAAM—advanced, medium-range, air-to-air missile

**AMS—1. assets management system
2. aerial measuring system 3. American Society for Metals**

AMSAA—Army Materiel System Analysis Activity

AMSL—above mean sea level

**AMT—1. advanced munitions technology
2. asbestos management team 3. advanced manufacturing technology**

amu—atomic mass unit (American Institute of Physics)

An—actinon (chemical symbol)

ANC—Aerojet Nuclear Corporation

AND—advanced nuclear demolition

ANDES—antinuclear demonstrators

ANFO—ammonium nitrate and fuel oil

ANI—automatic number identification

**ANL—1. Argonne National Laboratory
2. Aberdeen National Laboratory**

ANL-E—Argonne National Laboratory East (Chicago)

ANL-W—Argonne National Laboratory West (at INEL)

ANMC—American National Metric Council

ANN—artificial neural network

**ANS—1. American Nuclear Society
2. aerospace nuclear safety**

ANSC—automated nuclear survivability criteria

**ANS-ENS—American Nuclear Society/
European Nuclear Society**

ANSI—American National Standards Institute

ANSP—advanced nuclear systems and projects

ANT—advanced nosetip test

Anti-C—anti-contamination

ANWD—alphanumeric wall display

ANWSS—Army nuclear weapons storage site

AO—1. auxiliary office 2. action officer

AOA—1. angle of attack 2. as-ordered agreement 3. airborne optical adjunct

AOC—1. area of concern 2. area of contamination 3. administrative order on consent

AOI—and-or invert (computers)

AOR—acknowledgment of receipt

AOSS—automated office support system

AOT—allowed outage time

**AP—1. asbestos phenolic 2. Associated Press
3. action plan 4. administrative procedure**

APACHE—advanced parallel chemistry

APAR—automated plutonium recording

APAS—automated plutonium assay system

APBA—actuator and pulse battery assembly

APC—1. armored personnel carrier
2. automated PAL controller

APCHS—automated PAL code handling system

APCVD—atmospheric pressure chemical vapor deposition

APD—1. advanced planning document
2. Albuquerque Police Department

APF—assigned protection factor

APG—Aberdeen Proving Ground (Maryland)

APH—(Fort) Apache Hill, Virginia

APHA—American Public Health Association

API—1. American Petroleum Institute
2. atmospheric pressure ionization
3. associated particle imaging
4. application programming interface 5. axial power indicator

APL—1. Advanced Physics Laboratory
2. Applied Physics Laboratory

APM—1. appraisal project manager
2. axial power monitor

approx—approximate (used only in tabulations and figures)

APR—1. airborne profile recorder (see TPR)
2. action plan requirement

A-Primed—agility primed: agile product realization for innovative electromechanical devices

APRW—acquisition planning requirements worksheet

APS—1. American Physical Society
2. active protection system 3. accelerated procurement system

APSAHD—adaptive processor, seismic acoustic helicopter detector

APSL—Albuquerque Primary Standards Laboratory (DOE)

APSPID—adaptive processor, seismic personnel intrusion detector

APT—1. Accelerated Production of Tritium
2. Alliance for Photonic Technology
3. Automatic Programming Tool (computers)

AQAP—acceptance and quality assurance provisions

AQCA—Air Quality Control Act

AQCR—air quality control regulation (Bernalillo County)

AQES—air energy study

AQL—acceptable quality level

AR—1. annual report 2. as required
3. administrative requirement

A&R—appraisal and review

ARA—1. applicable or relevant and appropriate (requirement) 2. airborne radioactivity area

ARAC—atmospheric release advisory capability

ARBN—Army battalion

ARC—1. Acquisition Review Committee
2. accident resistant container 3. Architectural Research Consultants

ARCCC—Accident Response Capability Coordinating Committee

ARCUS—Arctic Research Consortium of the US

ARD—Army readiness date

ARDEC—Army Research and Development Engineering Center (Picatinny Arsenal, NJ)

ARDU—advanced radiation (detection capability) data unit

ARE—aerothermal reentry experiment

**ARES—1. advanced reentry system
2. advanced railroad electronics system**

ARF—augmentation reserve force

arg—argument

ARG—accident response group

ARH—antiradiation homing

**ARI—1. Army Research Institute
2. alternate rod insertion**

ARIEL—Advanced Radar Image Exploitation Laboratory

**ARL—1. Army Research Laboratory
2. acceptable reliability level
3. Aerospace Research Laboratories**

ARM—atmospheric radiation measurement

ARMMS—Accident Response Mobile Manipulator System

ARMS—1. aerial radiological measuring system (Army) 2. Armor School (Army)

ARO—after receipt of order

AROD—airborne remotely operated vehicle

ARP—alarm response procedure

ARPA—1. Archaeological Resources Protection Act (1979)

ARRIS—active rate reducer and inflation system

ARS—advanced reactor safety

**ART—1. armed response team 2. alarm response team 3. airborne response team
4. arsenal release and transport program**

ARTAC—Applied Research and Technical Activity Committee

AR&TD—advanced research and technology development

ARTI—advanced rotorcraft technology integration

ARTY FDC—Artillery Fire Direction Center (Army)

aS—absiemen (formerly abmho)

As—atmosphere (standard)

AS—1. airspeed 2. antenna sites 3. Allied Signal (BKC) 4. aviation safety 5. Active stockpile

**ASA—1. American Standards Association (obsolete; now USA Standards Institute)
2. administrative staff associate**

ASAP—1. as soon as possible 2. advanced seismic array program

ASARC—Army System Acquisition Review Council

ASAS—all source analysis system

ASAT—antisatellite

asb—apostilb (also known as blandel)

ASB—Army Science Board

ASBDU—Advanced System B Data Unit

ASC—ABRES shape charge

ASCE—American Society of Civil Engineers

ASCI—accelerated strategic computing initiative

ASCID—AUTODIN satellite interface compensation device

ASCII—American standard code for information interchange (computer program)

ASCOT—atmospheric studies in complex terrain

**ASD—1. adversary sequence diagram
2. Aeronautical Systems Division (Air Force)
3. Assistant Secretary of Defense**

ASDP—Assistant Secretary for Defense Programs

**ASE—1. antenna shield enclosure
2. applicant system enhancement**

AS&E—American Science and Engineering

ASEC—Applied Solar Energy Corporation

ASEM—Assistant Secretary for Environmental (Restoration and Waste) Management

ASHRAE—American Society of Heating, Refrigerating, and Air Conditioning Engineers

ASIC—application-specific integrated circuit

ASIG—Albuquerque special interest group

AS/KCD or AS/KCP—Allied Signal/ Kansas City Division (or Kansas City Plant) (see also BKC and KCD)

**ASM—1. air-to-surface missile
2. adversary sequence modeling
3. American Society for Metals**

ASMD—anti-ship missile defense

ASME—American Society of Mechanical Engineers

ASMS—advanced strategic missile systems

ASNT—American Society of Nondestructive Testing

ASO—Administrative Support Office

ASOC—Air Support Operations Center

**ASP—1. automated signal processor
2. accident sequence precursor**

ASQC—American Society for Quality Control

ASR—anelastic strain recovery

ASRAAM—advanced, short-range, air-to-air missile

ASROC—anti-submarine rocket

ASSE—American Society of Safety Engineers

ASSESS—analytic system and software for evaluating safeguards and security

ASSIST—automated system security incident support team (DoD)

ASSP—advanced small-site program

assy—assembly

**AST—1. airborne surveillance testbed
2. above-ground storage tanks**

**ASTM—1. American Society for Testing Materials
2. American standard for test methods**

ASTX—(battery-powered sensor/ transmitter)

ASV—adaptive suspension vehicle

**ASW—1. anti-submarine warfare
2. air-to-surface weapon (see ASM)**

ASWAT—air solid waste assessment test

asym—asymmetric

at—atomic

at.%—atomic percent

At—1. ampere-turn 2. astatine (chemical symbol)

AT—1. advanced technology 2. applied technology 3. armored tractor

ATA—automatic target acquisition

ATACMS—Army Tactical Missile System

ATAF—Allied Tactical Air Force (NATO)

ATBM—advanced tactical ballistic missile

ATBMP—Army technology base master plan

ATC—assembly test chip

ATD—advanced technology demonstration

ATE—1. automatic test equipment 2. all-terrain equipment

ATES—autonomous targeting and engagement system

ATFD—absolute time-firing device

ATFES—Army tactical frequency engineering system

ATIS—air transportable instrumentation shelter

ATL—automatic tape library

atm—atmosphere (a unit of pressure equal to 1.013250×10^6 dynes/cm²)

At/m—ampere-turn per meter

ATM—1. asynchronous transfer mode 2. anti-tactical missile

ATMS—automatic transmission measuring system

ATMX—atomic munition explosive rail transport car

ATP—1. alignment and testing procedures 2. aiming, tracking, and pointing 3. advanced technology program

ATR—automatic target recognition

ATS—1. administrative terminal system (computers) 2. aerothermal structure 3. automatic transfer switch 4. action tracking system

ATSD/AE—Assistant to the Secretary of Defense for Atomic Energy

ATSDR—agency for toxic substances and disease registry

AT&T—American Telephone and Telegraph

ATTV—advanced teleoperator test vehicle

ATV—1. Army test vehicle 2. all-terrain vehicle

ATW—accelerator transmutation of nuclear waste

at. wt—atomic weight

a.u.—atomic unit

Au—gold (chemical unit)

AU—1. astronomical unit 2. authentication unit 3. acousto-ultrasonics

AUR—all-up-round

Auth Code—authorization code (or number)

AUTOCONET—automatic communications network

AUTODIN—automated digital information network

AUTOSEVOCOM—automatic secure voice communications

AUTOVON—automatic voice network

AUVS—Association of Unmanned Vehicle Systems

aux—auxiliary

aV—abvolt

AVC—automatic volume control

AVDS—Aviation Depot Squadron

avg/ave/av—average (avg is the most common; ave is used mostly in subscripts; av is seldom used)

AVI—audio video interleaved

AVIS—American visit (refers to a visit to the US by a member of the UK)

AVRADA—Avionics Research and Development Activity (Fort Monmouth, NJ)

**AVS—1. access validation system
2. Avionics Depot Squadron 3. American Vacuum Society**

AVSCOM—Aviation Systems Command (Army)

AW—1. atomic weapon 2. atomic warhead

AWACS—airborne warning and control system

AWD—atomic weapon data (obsolete; now nuclear weapon data)

AWDS—automated weather distribution system

AWE—Atomic Weapons Establishment (England)

AWE(A)—Atomic Weapons Establishment, Aldermaston in Reading, Birkshire, England

AWE(B)—Atomic Weapons Establishment, Burghfield in Reading, Birkshire, England

AWG—American wire gage

AWLPG—Albuquerque (Operations) Workload Planning Guide (DOE)

AWMA—Air and Waste Management Association

AWOC—Alternate Wing Operations Center

AWRE—Atomic Weapons Research Establishment (England)

AWRS—average weighted residual squared

AWS—American Welding Society

AWSB—Atomic Weapons Safety Board

AWSC—analyst work space component

AWTG—atomic weapons training group

AWU—Association of Western Universities

AWVS—Albuquerque winter visibility study

AWWA—American Water Works Association

B

b—1. barn (unit of area: 10^{24} cm²) 2. bit (binary digit) bit is seldom abbreviated unless it is used with a prefix, as in 8 kb

B—1. bel (logarithmic ratio) 2. brewster (optics) 3. bomb (when used with a number, as in B-52) 4. bridge

BA—1. basic assembly 2. budget authority

BAA—business area analysis

BAC—1. Boeing-Aerospace Company
2. Budget Advisory Committee (SNL)
3. bond additive corrections

BACT—best available control technology

BADT—best available developed technology

BA&E—Boeing-Aerospace and Electronics

BAF—backup alert force

BAFO—best and final offer

BAM—ballistic advance missile

BANCS—Bell Administration Network Communications System

BAO—Bendix Albuquerque Operations (obsolete; see KCD or AS/KCD)

BARS—1. Bell audit related system
2. behavioral anchored rating system

BART—1. best available retrofit technology 2. Bay Area Rapid Transit (Sandia, CA)

BAS—1. Bell audit system 2. Boeing advanced systems

BASIC—beginner's all-purpose symbolic instruction code (a computer language)

BASTEC—Bay Area Science and Technology Education Collaboration

BAT—best available technology

BBB—bisbenzimidazobenzophenanthroline (a polymer)

BBC—1. balanced biological community
2. British Broadcasting Corporation

bbl—barrel

BCA—battery control area

bcc—body-centered cubic

BCC—Battery Control Center

BCD—binary coded decimal

BCH—Bose-Chadhuri-Hacqueghem

BCL—Battelle Columbus Laboratories

BCO—Bendix Connector Operations

BCR—bar code reader

BCTK—boron calcium chromate titanium potassium perchlorate

Bd—baud (a variable unit of data transmission speed—that is equal to one bit per second)

BDA—battle damage assessment

BDADS—beacon data acquisition and display system

BDAI—best demonstrated available technology

BDAT—best demonstrated available technology

Bde—brigade

BDM—Braddock, Dunn, and McDonald

BDP—battlefield development plan

BDS—1. British Defence (British spelling) Staff 2. basic door structure

BDT—burst delay timer

BDU—1. bomb dummy unit 2. battle dress uniform

°Bé—degrees Baume (used in the Baumé temperature scale)

BE—binding energy

BECTU—Boeing Electrical Compatibility Unit

Benelux—Belgium, the Netherlands, and Luxembourg

BeO—beryllium oxide

BEP—Bureau of Engraving and Printing

BERC—Bartlesville Energy Research Center

BERL—Burner Engineering Research Laboratory (SNL)

BES—basic energy sciences

BET—Brunauer-Emmett-Teller (equation)

BETA—battlefield exploitation and target acquisition

BeV—billion electron volts (now obsolete; use GeV)

BFA—blank fire adapter

BFO—beat-frequency oscillator

BFOQ—bona fide occupational qualification

BFPC—Buildings and Facilities Planning Committee

BG—blanket gas

BGM—ballistic guided missile

BGS—below ground surface

Bi—biot (use aA, abampere, instead)

BIA—Bureau of Indian Affairs

BIC—Braduskill Intercept Concept

BIF—boiler/industrial furnace

BIM—1. ballistic intercept missile
2. barrier integrity monitor

BIOS—basic input/output subsystem

BIRD—bilinear rotation decoupling

BIS—1. business information systems
2. bomb interface simulator

BISDN—broad-band integrated services digital network

BISMAPS—business information system modeling and planning system

BISP—business information systems program

BISS—base and installation security system

BISSPO—BISS Program Office

bit—binary digit (See b)

BIT—1. built-in test 2. boron injection tank

BITE—built-in test equipment

BIUA—bus interface unit, audio

BIUD—bus interface unit, digital

BIUD/M—bus interface unit, digital/modem

BIUM—bus interface unit, modem

BIX—byte information exchange

BKC—Bendix, Kansas City (obsolete; now the Kansas City Division of the Allied Signal Aerospace Corp. See KCD or AS/KCD)

bkgd—background

BKW-EOS—Becker-Kistiakowsky-Wilson equation of state

BL—baseline

BLID—buried line intrusion detector

BLM—Bureau of Land Management

BLS—1. Bureau of Labor Statistics
2. basic life support

BM—Bureau of Mines

BMC—Ballistic Missile Center

BMD—ballistic missile defense

BMDATC—Ballistic Missile Defense
Advanced Technology Center

BMDO—Ballistic Missile Defense Office

BMDSCM—Ballistic Missile Defense System
Command

BMEWS—ballistic missile early warning
system

BMHA—building modifications hazards
assessment

BMO—Ballistic Missile Office

BMP—1. battle management plan 2. best
management practice

BMS—1. balanced magnetic switch (or sensor)
2. battlefield management system 3. business
management system

BN—battalion

BNA—Bureau of National Affairs

BNC—(connector developed by) Bayonet,
Neill, and Concelman

BNFP—Barnwell Nuclear Fuel Plant (South
Carolina)

BNI—Bechtel National, Incorporated

BNL—Brookhaven National Laboratory

BNWL—Battelle Northwest Laboratory

BO—budget outlay (or obligation)

B/O—blackout

BOA—basic ordering agreement

BOD—biochemical oxygen demand

BOLT—basic occupational literacy test

BOP—blowout prevention

BOR—burnout risk

BOSF—burnout safety factor

BOSFn—nominal burnout safety factor

bp—boiling point

BP—1. Bandpass 2. below performance

bpF—boiling point (degrees Fahrenheit)

BPG—boron pyrolytic graphite

bpi—bits per inch

BPR—business process reengineering

bps—bits per second

BPS—1. boundary penetration sensor
2. Boeing Petroleum Services

BPT—best practical technology

BPV—back pressure valve

Bq—becquerel (associated with ionizing
radiation; now obsolete)

Br—bromine (chemical symbol)

B&R—budget and reporting

BRA—bomb relay assembly

BRADC—Belvoir Research and Development Center

BRC—below regulatory concern

BRDEC—Belvoir Research, Development, and Engineering Center

BRDF—bi-directional reflectance distribution function

BRES—buoy repeater system

BRI—basic rate interface

BRL—Ballistic Research Laboratory (Aberdeen, Maryland)

BRL-CAD—Ballistics Research Laboratory—computer-aided design

BRMD—Budget Resources Management Division (DOE)

BRP—Big Rock Point

BRT—bioassay review team

b/s—bits per second; bps is preferred

BSD—business system design

BSI—British Standards Institute

BSO—Ballistic Systems Office (Air Force)

BSR—bulk shielding reactor

BSS—borehole seismic system

BSTS—1. burst surveillance and tracking system 2. boost surveillance and tracking system

BS&W—basic sediments and water

BTC—barbed tape concertina

BTDR—building time delay relay

BTE—battery timing equipment

BTEX—benzene, toluene, ethylbenzene, and xylene

BTI—Battery Technology Institute

Btu—British thermal unit

BTX—benzene-toluene-xylene

BW—1. bandwidth 2. biological warfare 3. bridge wire

BWG—Birmingham wire gage

BWM—balance with motion

BWO—backward-wave oscillator

BWR—boiling-water reactor

BWST—borated water storage tank

BY—budget year

BZ—buckled zone

C

c—centi- (a prefix indicating 10^{-2} ; use mm instead)

C—1. capacity 2. capacitance 3. circumference 4. coulomb (quantity of electricity in electrons) 5. Confidential

°C—degrees Celsius

C²—command and control

C³—command, control, and communications (also CCC)

C⁴—command, control, communications, and computers

ca—circa (use with dates only)

Ca—calcium

CA—1. custodial agent 2. corrective action
3. clean air 4. contamination area
5. cooperative agreement 6. certification authority

C/A Code—coarse acquisition code

CAA—1. Clean Air Act 2. critical assembly area

CAAMS—criterion affirmative action management system

CAAPS—criterion affirmative action planning system

CAB—Civil Aeronautics Board

CABAL—calcium-modified boroaluminate

CABRA—Copper and Brass Research Association

CACC—Credibility Assessment Coordinating Center

CACDA—Combined Arms Center (or Combat) Development Activity (Fort Leavenworth, KS)

CACECO—calculation (of sodium spills) in cells for containment (a computer program)

CAD—1. computer-aided design
2. corrective action design

CAD/CAM—computer-aided design/
computer-aided manufacturing

CADD—computer-aided design and drafting

CAE—computer-aided engineering

CAE/RS—computer-aided engineering/ rocket system

CAES—compressed-air energy storage

CAESAR—catalytic enhanced solar absorption receiver

CAF—command authority function

CAFMS—computer aided air force management

CAG—customer advisory group

CAGEC—commercial and government entity code

CAGINS—center advisory group for information systems

CAI—1. computer-aided instruction
2. certified asbestos inspector

CAIN—controlled access by individual number

CAIRS—computerized accident/incident reporting system

CAIS—1. coded aperture imaging system
2. Chief Architect of Information Systems

cal—calorie (joule is preferred)

CAL—1. Conversational Algebraic Language (computers) 2. completely assembled for launch

calc—calculated

CALS—computer-aided acquisition and logistics support

CALSON—computer-aided acquisition and logistic(s) support operational network

CAM—1. completely assembled missile
2. continuous air monitor 3. computer-aided
manufacturing 4. computer-assisted makeup
5. content-addressed memory

CAMA—centralized automatic message
accounting

CAMAS—central alarm monitoring and
assessment system

CAMD—computer-aided molecular design

CAMI—Civil Aeromedical Institute

CAMP—1. crypto algorithm message
processor 2. capital assets management
program 3. corporate asbestos management
program

CAMPS—computer assisted mission planning
system

CAMS—cybernetic anthropomorphous
machine system

CAMU—corrective action management unit

CAN—clean air network

CANDU—Canadian deuterium uranium (a
reactor)

CAO—Carlsbad Area Office (DOE)

CAORA—Combined Arms Operation
Research Activity (Army)

CAP—1. code-activated processor
2. computer-aided plotting 3. corrective action
plan 4. consolidated action plan

CAPE—capability and proficiency evaluation

CAPRS—compensation and performance
review system

CAPS—computer automated publishing
system

CAR—corrective action report

CARC—containment air recirculating and
cooling

CARD—1. computer-aided remote driving
2. Citizens for Alternatives to Radioactive
Dumping

CART—cloud and radiation testbed

CAS—1. calibrated airspeed
2. compressed-air storage 3. close air support
4. central alarm station 5. chemical abstract
services 6. condition assessment survey
7. cost accounting standards 8. completely
assembled for strike

CASE—computer-aided software engineering
(or environment)

CASM—Community Academy for Science and
Mathematics

CASP—comparative analysis of standards
program (computers)

CASR—Center for Aviation System Reliability

cat—category

CAT—1. clear-air turbulence 2. computer-
aided tomography 3. Conductor Analysis
Technologies, Inc. 4. computerized axial
tomography

CATCOMS—credibility assessment team
communications system

CATNIP—computer analysis tool for normal
impact penetration (computers)

CATS—1. computer-assisted tracking system
2. computerized appraisal tracking system

CATV—1. community antenna television
2. cable television

CAW—channel address word

CBA—compressed breathing air

CBC—cipher-block chaining

CBD—Commerce Business Daily

CBI—1. computer-based instruction
2. confidential business information
3. Compton backscatter imaging (or inspection)

CBM—cooperative business management

CBP—1. Chicago bulletproof (doors)
2. convolution back projection

CBR—chemical, biological, radiological

CBT—computer-based training

cc—1. cubic centimeter (use cm³ instead)
2. carboncarbon (composite)

c.c.—complex conjugate

CC—1. core competencies 2. counter-countermeasure (see CCM) 3. Coronado Club
4. contamination control 5. Computer Committee 6. carbon copy

C-C—could-to-cloud

CCA—circuit card assembly

CCAD—command-coded arming device

CCB—1. Configuration Control Board
2. Change Control Board

CCC—1. command, control, and communications (also written as C³)
2. Crisis Coordination Center

CCD—1. charge-coupled device
2. camouflage, concealment, and deception (sometimes written as CC&D)
3. cockpit command disablement

CCDF—complementary cumulative distribution function

CCE—Center for Computational Engineering
2. certification of claim for exemption

CC&E—contractor’s choice and expense

CCF—1. common cause failure 2. central computing facility

CCHD—central computing help desk

CCHP—Corporate Chemical Hygiene Plan

CCIO—contractor counter-intelligence officer

CCIP—core competency in-reach project

CCIR—Consultative Committee on International Radio (European Standard)

CCITT—Consultative Committee on International Telephone and Telegraph

CCIU—command and control interface unit

CCL—commodities control list

CCM—1. central control module
2. counter-countermeasure (see CC)

CCN—central computing network

CCO—1. chargeable cost objective
2. corporate contractual obligation

CCP—controlled component protection

C/CPIP—Code of Conduct Personal Integrity Program

CCPDS—Command Center processing and display system

CCR—1. cyclic catalytic reforming
2. corporate customer requirement

CCS—Central Control Station

CCS²—command and control subordinate system

CCST—center for compound semiconductor technology

CCT—current contrast imaging

CCTC—Coyote Canyon Test Complex

CC test—component compliance test

CCTV—closed-circuit television

CCVT—coupling capacitor voltage transformer

ccw—counterclockwise

**CCW—1. channel command word
2. component cooling water**

cd—candela (a measurement of luminous intensity)

CD—1. computer diode 2. command disable (or disablement) 3. command destruct 4. control drawing 5. compatibility drawing (or document) 6. control document (as in CD453826) 7. consent decree

C/D—charge/discharge

CDA—Core Disruptive Accident (see HCDA)

CDB—classified database

CDAM—crypto device adapter modules

CDAS—classified document accountability system

**CDC—1. cumulative defects criteria
2. Control Data Corporation 3. Center for Disease Control**

CDD—conventional (munition) demilitarization and disposal (technology)

CDEC—Combat Developments Experimentation Command (Army)

**CDF—1. central distribution facility
2. combustion dynamics facility 3. core damage frequency**

cd/ft²—candela per square foot

CDI—common data input

CDIRS—common data input and retrieval system

CDIU—control display interface unit

CDL—commercial driver's license

CDM—1. Concurrent Design and Manufacturing 2. continuous dispensing masker 2. code-division multiplex

cd/m²—candela per square meter

CDMS—1. computerized document management system 2. central data management system

CDOCS—classified document control system

CDOS—Cromemco disk operating system

CDPS—CMS data production system

CDR—1. critical design report 2. complete design release 3. conceptual design review

C&DR—characterization and development report

CDRL—contractor data requirements list

CD-ROM—compact disk/read only memory

**CDS—1. command disablement system
2. control and display system**

CDT—corporate diversity team

CDU—capacitor discharge unit

Ce—cerium (chemical symbol)

CE—1. Corps of Engineers 2. capital equipment 3. consistently exceeds 4. communications electronics 5. combustion engineering

CEA—American translation from French: French Atomic Energy Commission

CEARP—Comprehensive Environmental Assessment and Response Program (DOE)

CEB—corporate ethics board

CEC—1. Capital Equipment Committee 2. Computing Education Center 3. cation exchange capacity 4. Commission of European Communities

CECOM—Communications Electronics Command (Army)

CEDE—committed effective dose equivalent

CEE—courier elevated eyes

CEEEC—committee on energy, environment, and economic competitiveness

CEG—corporate ergonomics group

CEES—1. camouflage effectiveness evaluation system 2. committee on earth and environmental sciences

CEG—corporate ergonomics group

CEL—1. Civil Engineering Laboratory (Navy) 2. commercial equipment list 3. channel effluent limit

CELS—coded explosive logic system

CEM—1. channel electron multiplier 2. crew escape module 3. continuous emission monitor

CENEF—Joint US/Russian Center for Energy Efficiency

CENSEI—Center for System Engineering and Integration

CENTAG—Central Army Group (NATO)

CENTCOM—Central Command

CENTO—Central Treaty Organization

CEO—chief executive officer

CEOI—communications/electronics operating instructions

CEP—1. circular error probability (ICBM impact accuracy) 2. Concept Evaluation Program 3. Career Exploration Program (Alb. Public Schools) 4. catalytic extraction processing 5. controls for environmental pollution

CEPP—chemical emergency preparedness program

CEQ—Council on Environmental Quality

CER—complete engineering release

CERCLA—Comprehensive Environmental Response, Compensation, and Liability Act

CERL—1. commercial equipment requirements list 2. Construction Engineering Research Laboratory

CERN—1. Conseil Européen Pour Recherches Nucléaires (Translation: European Council for Nuclear Research/Switzerland) 2. Controller Establishment for Nuclear Research (UK equivalent of DOE)

CERT—computer emergency response team (DoD)

CES—code enabling switch (or system)

CESH—Corporate Environmental Safety Health (Lockheed Martin)

CEWG—containment and effects working group

cf—compare

Cf—californium (chemical symbol)

CF—1. customer funded 2. containment failure

CF4—commodities control list

CFA—1. covering force area 2. central facility area 3. cross-field amplifier 4. cognizant federal agency

CFC—1. Combined Forces Command (Korea) 2. chlorofluorocarbon (or chlorinated fluorocarbon) 3. Conax Florida Corporation

CFD—computational fluid dynamics

CFE—conventional forces in Europe

cfm—cubic feet per minute (ft³/min preferred)

CFM—contamination-free manufacturing

CFMRC—Contamination Free Manufacturing Research Center

CFO—Chief Financial Officer

CFPO—customer funded program office

CFR—1. commercial fast breeder reactor 2. Code of Federal Regulations

CFRD—confidential, formerly restricted data

cfs—cubic feet per second (ft³/s preferred)

CFS—conventional firing set

CFTM—captive and flight test missile

CFU—central function unit

CFS—core flood system

CFY—current fiscal year

cg—centigram

CG—1. center of gravity 2. Commanding General 3. Classification guide

C-G—cloud-to-ground

CGA—1. carrier group alarm 2. color-graphic adapter

CGC—color-graphics controller

CGI—1. computer graphics interface 2. combustible gas indicator

CGM—computer graphics metafile

cgs—centimeter-gram-second (use of all units particular to this system is discouraged by SI)

CGS—CONUS Ground Station

CGTIS—cradle-to-grave tracking information system

CHAERSE—Center for Hungarian-American Environmental Research Studies and Exchange

CHAMMP—computer hardware, advanced mathematics and model physics

chan—channel

CHARMS—computerized hazard and record-management system

CHC—chlorohydrocarbons (or chlorinated hydrocarbons)

CHE—conventional high explosive (see IHE)

Chelyabinsk-70—All Russian Scientific Research Institute for Technical Physics: see VNIITF

ChemIServe—Chemical Information Service (see CIS)

CHEMKIN—chemical kinetics (computers)

CHEMS—chemical hazards emergency management system

CHR—confinement heat removal

CHTM—Center for High Technology Materials

CH-TRU—contact-handled transuranic (waste)

Ci—curie (unit of radioactivity)

CI—1. confident informants 2. counter-intelligence

C3I—command, control, communications, and intelligence

CIA—1. Central Intelligence Agency
2. control indicator assembly

CIAC—computer incident advisory capability (DOE)

CIB—Centralized Intercept Bureau

CIC—1. COMSEC intelligence controller
2. Combat Information Center
3. compensated ion chamber

CICS—customer information control system

CID—charge injection device

CIE—1. Commission Internationale de l'Eclairage 2. cost impact estimate

CIHS—classified information handling system (European TV standards)

CIL—1. critical items list 2. computer inoperative limits

CIIMA—contractors image and information management association

CIK—crypto ignition key

CILRT—containment integrated leak rate test

CIM—1. computer integrated manufacturing
2. corporate information management

CIMET—Center for Intelligent Manufacturing and Environmentally Conscious Technology

CIMS—CRADA Information Management System

CIN—cervical intraepithelial neoplasia

CINC—1. Commander-in-Chief
2. Commander-in-Charge

CINCADCOM—Commander-in-Chief, Aerospace Defense Command

CINCAFCENT—Commander-in-Chief, Allied Forces Central (Europe)

CINCEASTLAND—Commander-in-Chief, East Atlantic

CINCELM—Commander-in-Chief, Eastern Atlantic and Mediterranean (Navy)

CINCEUR—Commander-in-Chief, Europe

CINCFE—Commander-in-Chief, Far East

CINCLANT—Commander-in-Chief, Atlantic (US)

CINCMEAFSA—Commander-in-Chief, Middle East, Africa (South of Sahara), and Southern Asia

CINCNORAD—Commander-in-Chief, North American Air Defense

CINCPAC—Commander-in-Chief, Pacific Command (US)

CINCRED—Commander-in-Chief, Readiness Command

CINCSpace—Commander-in-Chief for Space

CINCSPECOMME—Commander-in-Chief, Specified Command, Middle East

CINCUNC—Commander-in-Chief, UN Command

CINCUSAEUR—Commander-in-Chief, United States Army, Europe

CINCUSNAVEUR—Commander-in-Chief, United States Navy, Europe

CINDY—computerized internal dosimetry (software package)

CIO—Chief Information Officer

CIP—consumer-identified product

cir—circuit (also ckt)

cir mil—circular mil (also written as cmil)

**CIS—1. Commonwealth of Independent States
2. classified information system
3. Chemical Information Service (also called ChemIServe)**

**CIT—1. compact ignition tokamak
2. critical incident technique**

CIVA—charge-induced voltage alteration

CIWS—close-in weapon support

CJCS—Chairman, Joint Chiefs of Staff

ckt—circuit (also cir)

Cl—chlorine (chemical symbol)

CL—centerline

CLAZAS—clad axial (Z-direction) motion in subassemblies (computers)

**CLC—1. central (or command) logic and control
2. current-limiting conductor**

CLCS—closed-loop control system

CLEO—classified energy on-line

CLERVER—clients and servers (SNL software)

CL&F—common look and feel

CLIF—Chemistry Lirrac Irradiation Facility

CLNS—connectionless network services

CLP—contract laboratory program

CLS—central locator system

CLS DET—closure detect

cm—centimeter

c.m.—center of mass

cm²—centimeter squared

cm³—cubic centimeter

c/m²—incorrect; see cd/m²

Cm—Curium (chemical symbol)

**CM—1. container module 2. Countermeasure
3. core melt 4. configuration management**

CMA—Chemical Manufacturers Association

CMAH—Commander-in-Chief Mobile Alternate Headquarters

CMAS—classified material accountability system

**CMC—1. central monitor control
2. Cheyenne Mountain Complex
3. Cooperative Monitoring Center**

CMCS—continuous monitor and control system

CMD—1. command 2. Configuration Management Document (a US-UK program)

CME—construction management engineer

cmf—circular mils/foot (electrical conductivity)

CMF—common-mode failure

CMFD—compressed magnetic field device

CMG—control moment gyros

CMGS—cruise missile guidance set

CMI—cruise missile interface

cmil—circular mil (also written as cir mil)

CMIS—crisis management intercom system

CMM—capability maturity model

CMOS—1. complementary metal-oxide semiconductor (Fast Adder) 2. complementary metal-oxide on silicon

CMP—1. Center for Materials Production 2. container module packaging

CMPLIS—continuous monitoring pH log-in system

cm/s—centimeters per second

CMS—1. control, monitor, and support 2. common mapping system 3. code (or case) management system 4. corrective measures study 5. canister monitoring system

CMSD—code-multiplier sensor data

CMSU—Central Missouri State University

CMT—1. Center for Microelectronics Technologies 2. Crisis Management Team

CMTF—Collector Module Test Facility

CMU—control monitor unit

CMV—1. commercial motor vehicle 2. counter-measures verification

CN—1. cemetery network 2. counter narcotics

CNC—computer numerically controlled

CNCE—communications nodal control element

CNDE—Center for Nondestructive Evaluation

CNES—Centre National d'Etudes Spatiales

CNF—1. cost: no fee 2. central network facility

CNHR—containment atmosphere heat removal

CNO—Chief of Naval Operations

CNRR—containment radioactivity removal

CNS—centralized nuclear surety

CNSAC—Center for National Security and Arms Control

CNWDI—critical nuclear weapon design information

Co—cobalt (chemical element)

CO—1. construction observer 2. contracting officer

CO2—carbon dioxide

COA—1. charts of accounts 2. customer order administration

COAT—career opportunity for advancement training

coax—coaxial (cable)

COB—1. coordination of benefits 2. close of business 3. computer-on-a-board

COBOL—Common Business-Oriented Language (computers)

COBRA—1. Consolidated Omnibus Budget Reconciliation Act 2. Calculation of Flow in Rod Bundle Reaction Assemblies (computers)

COBRA DANE—Intelligence Phased Array Radar at Shemya, Alaska

COC—1. code of conduct 2. chain of custody 3. contaminants of concern

COCA—1. consent order and compliance agreement

COD—1. crack-opening displacement 2. chemical oxygen demand

COE—1. Corp of Engineers 2. certificate of equivalency

COEA—cost and operational effectiveness analysis

COED—computer-operated electronic display

COEES—Central Office equipment engineering system

COE/EUO—European Corps of Engineers

coef—coefficient

COGO—coordinated geometry (computers)

COGS—continuous orbital guidance system

COI—certificate of inspection

COIN—counterinsurgency

Coker—Cokernel

COLA—cost of living adjustment

colog—cologarithm

COM—computer-output microfilm

COMET—computer-operated management evaluation technique

COMINT—Communications Intelligence (computers)

COMM—communications

COMMZ—communications zone

COMRADEX—effects of containment and meteorology on the environmental radiation exposure resulting from a power reactor accident (computers)

COMSAT—1. communications satellite 2. Communications Satellite

COMSEC—communications security

COMTEN—Communications 10

COMUSK—Commander, US (Forces) in Korea

COMUSMACV—Commander, US Military Assistance Command, Vietnam

COMUX—combinatorial multiplex

CON—California open network

CONAD—Continental Air Defense (Command)

CONARC—Continental Army Command

conc—concentrate

const—constant

cont—1. continuous 2. continued

CONTRN—a computer language

CONUS—contiguous United States

conv—converter

COO—conduct of operations

COPE—critically ordered path evaluator (computers)

COQ—cost of quality

CORBA—common object request broker architecture

CORCON—core/concrete (interaction code)

CORDIVEM—Corps/Division Evaluation Model

CORRTEX—continuous reflective radius time experiment

cos—cosine

COS—1. Cray operating system 2. Chief of Staff

COSAL—coordinated shipboard/activity (allowance) list

cosh—hyperbolic cosine

COSL—cooled optically stimulated luminescence (see OSL)

COSMIC—common systems main inter-connecting

COSMOS—computer system for mainframe operations

cot—cotangent (sometimes abbreviated as ctg)

COT—consolidated operability test

cotar—correlated orientation tracking and range

cotat—correlated tracking and triangulation

coth—hyperbolic cotangent

COTS—commercial off-the-shelf

COV—counter-obstacle vehicle

COVAWT—cooperative vertical-axis wind turbine

COZI—communication zone indicator

cp—1. chemically pure 2. candlepower

cP—centipoise

CP—1. carbon phenolic 2. control point 3. command post

CPA—carboxypeptidase (a digestive enzyme)

CPAF—cost plus award fee

CPAP—Contractor Performance Assessment Program

CPC—compound parabolic concentrator

CPCA—Committee for Persons with Challenged Abilities (DOE)

CPCM—certified professional contract managers

cpd—contact potential difference

CPD—1. central pulse distributor 2. continuing professional development

CPE—command post equipment

CPFF—cost plus fixed fee

CPG—Cummings Power Generation, Inc.

CPI—1. characters per inch 2. cost performance index

CPIA—Chemical Propulsion Information Agency

CPIF—cost plus incentive fee

CPIIC—Corporate and Personal Integrity Investigative Committee

C-PIP—Corporate and Personal Integrity Program

CPJ—chlorinated polyethylene jacket

Cpk—statistical process control

CPL—confinement protection limit

cpm—1. cycles per minute 2. counts per minute

CPM—1. critical path method (computers) 2. Center for Project Management

CPMS—1. cable pressure monitoring system 2. criteria pollutant monitoring station

CPPM—computer protection program manager

CPPSR—contractor personal property systems review

CPR—1. cardiopulmonary resuscitation 2. Corporate Process Requirements

CPS—1. cycles per second; use Hz instead 2. certified professional secretary 3. Corporate Policy Statements

CPSA—Consumer Product Safety Act (1972)

CPSR—contractor purchasing system review

CPSRC—Corporate and Personal Standards Review Committee

CPT—current procedural terminology

CPU—central processing unit

CPV—command post vehicle

CPX—command post exercise

CQE—1. certified quality engineer 2. Corporate Quality Excellence (Program)

CQI—continuous quality improvement

CQM—certification, qualification, and monitoring

Cr—chromium (chemical symbol)

CR—1. catalytic reforming 2. contractor (also CTR) 3. contact resistance 4. change requisition 5. corporate requirements 6. community relations

CRA—Civil Rights Act

CRADA—Co-operative Research and Development Agreement

CRBRP—Clinch River Breeder Reactor Plant

CRC—1. Control and Reporting Center 2. cyclic redundancy check (or code) (computers)

CRCM—Comprehensive Regional Center for Minorities

CRD—1. civilian research and development 2. confidential restricted data

CRDEC—Chemical Research, Development, and Engineering Center

CREG—controlled reluctance eddy-current generator

CRF—1. Combustion Research Facility 2. central response force

CRFP—Cooperative Research Fellowship Program

CRL—Cook Research Laboratories

CRLB—Cramer-Rao Lower Bound

CRM—1. chemical remanent magnetization 2. Center for Radiation-Hardened

Microelectronics 3. Corporate Requirements Management 4. corrective repair maintenance 5. count rate meter

CRO—cathode-ray oscilloscope

CRP—Community Relations Plan

CRRES—combined release and radiation effects satellite

CRS—Conference Room Scheduling (for the Internal Web)

CRT—1. corporate requirements tracking 2. cathode ray tube 3. coolant return tank

CRTF—central receiver test facility

CRWM—civilian radioactive waste management

Crypto—communications security keying material

CRZ—contamination reduction zone

cs or **cS**—centistoke

c/s—cycle(s) per second (use Hz instead)

Cs—cesium (chemical symbol)

CS—1. can select 2. compound-semiconductor 3. communications satellite 4. core support

C-S—customer-supplier

C/S—containment and surveillance

C³S—command, control, and communications system

C⁴S—Center for Command, Control and Communications Systems

CSA—1. Canadian Standards Association 2. canned subassembly 3. compliance schedule agreement (or approval) 4. Command Support Area

CSAC—1. Computer Security Advisory Committee 2. Customer Satisfaction Assessment Committee

CSAMT—controlled-source audio-frequency magnetotelluric

CSAP—customer satisfaction assessment project

Csat—customer satisfaction

csc—cosecant

CSC—1. Central Security Control 2. computer software component 3. computer systems coordinator

csch—hyperbolic cosecant

CSCI—computer software configuration (or component) item

CSCS—cost and schedule control systems

C/S CSC—cost and schedule control systems criteria

CSD—control and status display

CSDP—Continental Scientific Drilling Program

CSEL—combat survivor/evader locator

CSF—College of Santa Fe

CSFA—College of Santa Fe/Albuquerque

CSG—combinatorial solid geometry

CSI—critical success indicator

CSIL—critical and sensitive information list

CSIS—Center for Strategic and International Studies

CSIU—coded switch interface unit

CSL—contractor standards laboratory

**CSM—1. computer security manager
2. core support module 3. customer service manager**

CSMA/CD—carrier sense with multiple access with collision detection

CSNI—Committee on Safeguards of Nuclear Installations

CSOC—Consolidated Space Operations Center

CSP—1. chopped silica phenolic 2. control switching point 3. certified safety professional

CSPD—career services for persons with disabilities

**CSR—1. current situation room
2. computer security representative
3. customer service request 4. customer service representative**

**CSRL—1. common strategic rotary launcher
2. Compound Semiconductor Research Laboratory**

CSRS—coherent Stokes-Raman spectroscopy

**CSS—1. coded switch set (or system)
2. component support structure 3. US designator for Chinese surface-to-surface missile**

CSSA—Crop Science Society of America

CSSC—coded switch set controller

CSSM—computer security site manager

CSSO—computer systems security officer

CST—crystalline silicotitanate

CSU—1. customer service unit 2. computer support unit

CSW—channel status word

CSWS—Command Support Weapon System

**CT—1. cryoresistive transmission
2. current transformer 3. counter terrorism 4. computed tomography (microscopy)**

CTA—Central Training Academy

CTAC—Community Training and Assistance Center (Boston)

CTAQ—Center for Transportation and Air Quality

CTB—comprehensive test ban

CTBN—carboxy terminated polybutadine acrylonitrile

CTBT—Comprehensive Test Ban Treaty

CTC—centralized traffic control

CTCA—communicated threat capability assessment

**CTD—1. corporate training and development
2. charge transfer device 3. cumulative trauma disorder**

**CTE—1. component test equipment
2. coefficient of thermal expansion**

CTF—1. Central Technical File 2. Coyote Test Field

CTFC—Coyote Test Field Complex

ctg—cotangent (see cot)

CTG—control technique guidelines

CTH—a three-dimensional shockwave physics code developed at SNL

CTL—combat training launch

CTM—collimation test module

CTMS—carrier transmission maintenance system

CTOC—Command Tactical Operations Center

CTP—Comprehensive Test Plan

**CTR—1. controlled thermonuclear reactor
2. contractor 3 center 4. critical temperature ratio**

**CTS—1. cable termination shelter
2. carpal tunnel syndrome**

CTSS—CRAY time-sharing system

CTTF—Countermine Test Track Facility

**CTU—1. compatibility test unit
2. calibrator test unit**

CTW—clean tactical weapon

CTZ—Corps Tactical Zone

cu—cubic

CUBE—computer use by engineers

CUBIT—solid model file representation of a component or product that automatically generates a mesh for subsequent finite element analysis

CUCV—commercial utility cargo vehicle

CUSP—Center for Ultraclean Semiconductor Processing

CUSR—custodial unit status report

CUSUM—cumulative summation

CV—1. CryptoVariable 2. contingency value

**CVC—1. conserved vector current
2. chemical vapor composites**

CVCS—chemical volume and control system

**CVD—1. chemical vapor deposition
2. copper vapor deposition**

CVP—countermeasures verification program

**CVR—1. Center for Verification Research
2. current viewing resistor**

CVS—composition variability study

**CVT—1. current-viewing transformer
2. continuously variable transmission**

**cw or CW—1. continuous wave
2. clockwise**

**CW—1. chemical warfare 2. chemical weapon
3. conventional weapon 4. confined workspace
5. clean water**

**CWA—1. Communication Workers of America
2. Clean Water Act**

CWDR—chemical waste disposal request

CWE—conventional weapons effects

CWGM—cooling water gamma monitor

CWL—chemical waste landfill

CWMP—Chemical Waste Management Plan

CWR—continuous welded rail

CWS—contaminated water storage

cwt—hundredweight

CWW—compressed workweek

CX—categorical exclusion

CY—calendar year

CYBL—cylindrical boiling

CYLTRAN—an electron/photon transport code

CZMA—Coastal Zone Management Act

D

d-—deci- (a prefix indicating 10^{-1})

d—1. density 2. day 3. deuteron or deutron

D—1. debye (unit of electric dipole moment that equals 10^{-18} Franklin cm)
2. deuterium 3. dee (in a cyclotron)
4. diopter (optics) 5. darcy (unit of permeability; see mD) 6. drawing (standards)
7. destructive (tests)

da—dry air

DA—1. Department of the Army 2. double amplitude 3. Design Agency

D/A—digital to analog

DAASY—data acquisition and analysis system

DAB—data acquisition box

DAC—1. data acquisition and control (SCCS)
2. digital-to-analog converter
3. derived air concentration 4. Defense (Nuclear Agency) auxiliary closure
5. Disabilities Awareness Committee

DACCC—Dispersed Aircraft Cell Control Center

DADP—Deputy Administrator for Defense Programs

DADS—data acquisition and display system

DAF—Device Assembly Facility

DAGS—data-gathering system

DAKOTA—Design Analysis Kit for Optimization software

DAM—1. device adapter module 2. data acquisition module

DAMA—demand activated manufacturing architecture

DAO—Dayton Area Office (DOE)

DAP—diallylphthalate

DA/PA—Design Agency/Production Agency

DARCOM—1. Development and Readiness Command (Army) 2. Development and Research Command

DARHT—Dual-Axis Radiographic Hydrodynamic Test Facility

DARPA—Defense Advanced Research Projects Agency

DAS—data acquisition system

DASA—Defense Atomic Support Agency (obsolete; now Defense Nuclear Agency)

DASC—Direct Air Support Center

DASD—direct-access storage device (computers)

DASMA—Deputy Assistant Secretary for Military Application (DOE)

DASO—demonstration and shakedown operations

DAT—1. diversity (awareness) action team
2. digital audio tape

DAU—data authentication unit

DAVID—digital automatic video intrusion detection

dB—decibel

DB—depth bomb

dBA—A-weighted decibel

DBA—1. database administrator 2. doing business as (usual) 3. design basis accident

DBF—design basis fire

dbi—decibels for an isotropic source

dBm—decibel to 1 mW

DBMS—database management system

DBR—distributed Bragg reflectors

DBS—debris barrier system

dB SPL—decibel sound pressure level

dc—direct current

DC—1. data concentrator (computers) 2. direct charges 3. direct chill

D&C—drilling and completion

DCA—1. Defense Cooperation Agreement 2. dual-capable aircraft 3. Defense Communications Agency

dc/ac—direct current/alternating current

DCC—dialog corporate connection (a library retrieval system)

DCER—design criteria engineering release

DCF—dose conversion factor

DCG—Derived Concentration Guide

DCH—direct containment heating

DCI—Director of Central Intelligence

DCN—document change notice

DCO—detonator circuit ohmmeter

DCP—device control program

DCPC—dielectric compound parabolic concentrator

DCPG—defense communications planning group

DCR—1. data communication request 2. design change request

DCS—1. Document Control Station 2. drawing (or document) control system 3. defense communications system 4. Deputy Chief of Staff

DCSA—dependent care spending account

DCSC—Desktop Computer Support Center

DCSRDA—Deputy Chief of Staff, Research Development and Acquisition (Army)

DCT—discrete cosine transform

DCTL—direct-coupled transistor logic

DCU—data control unit

DCVW—direct current voltage withstanding

DCWV—direct-current working volts

DD—double density

D/D—disablement/denial

D&D—decontamination and demolition

DDA—digital differential analyzer

DDR—decontamination, decommissioning, demolition, and restoration

DDE—dynamic data exchange

DDESB—DoD Explosives Safety Board

DDI—Decisions and Designs, Inc.

DDN—defense data network

DDO—Deputy Director of Operations

DDS—1. detailed design specification
2. direct digital synthesizer

DDSA—dual-dual stronglink assembly

DDT—1. design demonstration testing
2. deflagration-to-detonation transition
3. Dichloro-diphenyl/trichloroethane

DDTA—derivative differential thermal analysis

DE—disablement equipment

DEA—Drug Enforcement Agency

DEAR—DOE Acquisition Regulation

DEB—depolarizer electrolyte binder

DEC—Digital Equipment Corporation

deca—a prefix denoting 10 (a variant of deca is deka)

DECANAL—decision analyses (computers)

DECnet—Digital Equipment Corporation Network (computers)

decon—decontamination

DEctalk—a speech synthesizer

DECUS—Digital Equipment Corporation User Society

DEF—data exchange format

DEFCON—defense readiness condition

DEFORM—fuel deformation calculation (computers)

deg—degrees (use the symbol with numbers: 32° C)

DEGS—diethyl glycol succinate (explosive)

DELPHI—discriminating electrons with laser photon ionization

DELSOL—"of the sun (span)" (computers)

DEMO—demonstration plant analysis (computers)

DEMP—dispersed electromagnetic pulse

DEP—1. Dental Expense Plan
2. diversified equity portfolio

der or deriv—derivative

DER—1. development engineering release
2. designated engineering representative

DES—data encryption standard

det—1. detonator 2. determinant

dev—deviation

DEW—direct energy weapons

df—degree of freedom (also DOF)

DF—1. deuterium fluoride 2. direction finder

DFD—1. demolition firing device 2. data flow diagram

2-DFFT—two-dimensional fast Fourier transform

DFM—design for manufacturing (obsolete; now DPR: design for product realization)

DFP—defensive fighting position

DFT—discrete Fourier transform

DFTP—detailed flight test plan

DFWM—degenerate four-wave mixing

dg—decigram

DG—design guide

DG/DAC—data general/data acquisition and control (a subsystem of AIDS)

DGE—1. DADS graphic environment
2. Division of Geothermal Energy (DOE)

DGP—data-gathering panel

DGSWS—Director General of Strategic Weapon System

DGZ—designated (or desired) ground zero

DHE or DHX—dump heat exchanger

DHFR—dihydrofolate reductase

DHLW—defense high-level waste

DHM—dexterous hand master

dHvA—de Haas van Alphen (effect)

D&I—disassembly and inspection

dia or diam—diameter

DIA—Defense Intelligence Agency

DIAL—differential absorption LIDAR

DICE—defensive information to counter espionage

DID—1. direct inward dialing 2. dynamic identification 3. defense in depth 4. data item description 5. display interface device

DIFA—digital impedance for Faradaic analysis

DII—defense industry initiative

DIIC—dielectric insulated integrated circuit

dim—dimension

DIP—dual in-line package

DIS—1. Defense Investigative Service
2. design information summary 3. disable

DISA—Defense Information Systems Agency

DISC—direct-injected stratified charge

DISIDS—display and information distribution system

dis/s—disintegrations per second

DIU—data interface unit

div—1. divergence 2. division

DJTA—development joint test assembly

dl—dead load

dL—deciliter

DL—door lock

DLC—1. Diversity Leadership Committee
2. data link control

DLCF—data link control field

DLPI—discrete line PAL interface

DLR—American translation: German research establishment for Aeronautics and Astronautics

DLWG—damage limitation working group (obsolete; see CEWG)

dm—decimeter

DM—department manager

DMA—1. Division of Military Application (now Assistant Secretary for Defense Programs: ASDP) 2. Defense Mapping Agency

- 3. direct memory access
- 4. Director of Military Affiliations
- 5. diagnosis of multiple alarm (system)

DMC—digital microcircuit

DMF—Data Management Facility

- DMM—1. design methodology manager: a tool for defining and using process flows through a graphical user interface**
- 2. digital multimeter**

DMP—discrepancy microprocessor

DMR—database management routine

DMS—data (or document) management system

DMSP—1. Defense Meteorological Satellite Program
2. Defense Meteorological Support Program

DMTS—distinguished member of technical staff

DMZ—demilitarized zone

DNA—Defense Nuclear Agency

DNA/FC—Defense Nuclear Agency/Field Command

DNB—departure from nucleate boiling

DNFSB—Defense Nuclear Facilities Safety Board

DNI—dinitroimidazole

DNSI—defense nuclear surety inspection

DNO—do not operate

DNT—dinitrotoluene (explosive)

DNTS—distributed network terminal server

DOB—1. depth of burst **2. dispersed operating base**

DOBIS—Dortmunder Bibliotherers Systems (Library program to retrieve references)
obsolete: replaced by Horizon

DOC—Department of Commerce

DOCUSAR—document storage and retrieval

DoD—Department of Defense

DOD—depth of discharge

DoDD—Department of Defense Directive

DOE—Department of Energy

DOE/AAO—Department of Energy/ Amarillo Area Office

DOE/AL—Department of Energy/ Albuquerque Operations Office

DOE/AN—Department of Energy/Arms (Control and) Nonproliferation

DOECN—Department of Energy/ Communications Network

DOE/ER—Department of Energy/ Energy Research

DOE/ESC—Department of Energy/ Electrical Safety Committee

DOE/FE—Department of Energy/Fossil Energy

DOE/ID—Department of Energy/Idaho (Field Office)

DOE/KAO—Department of Energy/ Kirtland Area Office

DOELAP—Department of Energy/ Laboratory Accreditation Program

DOE/MA—Department of Energy/ Military Applications

DOENTS—Department of Energy, National Telecommunications Systems

DOE/NV—Department of Energy/Nevada Operations Office

DOE/OSS—Department of Energy/Office of Safeguards and Security

DOE/RFAO—Department of Energy/ Rocky Flats Area Office

DOE/SRO—Department of Energy/ Savannah River Operations Office

DOE/WPD—Department of Energy/ Weapons Program Division

DOF—degree of freedom (also df)

**DOI—1. direct optical initiation
2. Department of the Interior**

DOIT—develop on-site innovative technologies

DOJ—Department of Justice

DOL—1. Department of Labor 2. disperse operating location

DON—Russian acronym for doppler microwave area sensors

**DOP—1. detailed operating procedure
2. dioctyl/pthlate**

DOS—1. Department of State 2. disk operating system

DOT—Department of Transportation

DOVAP—Doppler velocity and position

DOW—Dow Chemical Company, (Golden Colorado)

dP—differential pressure

D&P—development and production

**DP—1. dew point 2. Defense Programs
3. data processing 4. disposal procedure**

DPA—diversion path analysis

DPAC—Disability Placement and Accessibility Committee

DPC—Direct Program Committee

DPCM—differential pulse-code modulation

DPCTP—Defense Programs Critical Technology Plan

dpdt—double-pole, double-throw (electrical switches)

**DPM—1. dual-purpose missile 2. data processing machine
3. documents per minute**

DPQ—data quality objective

DPR—design for product realization

DPS—1. data processing set 2. Direct procurement services

DPSK—diferential-phase-shift keying

dpst—double-pole, single-throw (electrical switches)

DPTRA—defense programs transportation risk assessment

DQC—director quality coordinator

DQO—data quality objective

**DR—1. disability retirement
2. development report 3. design reconstitution**

DRA—detailed risk analysis

DRAAG—design review and acceptance group

DRAM—1. dynamic response of articulated machinery 2. dynamic random access memory

**DRC—1. data-retention chassis
2. Disciplinary Review Committee**

DRCF—dose-rate conversion factor

DRD—deep-rock disposal

DRE—destruction and removal efficiency

DRM—depositional remanent magnetization

DRP—deliverable reimbursable product

DRTF—Distributed Receiver Test Facility

DRU—dynamic reference unit

DS—1. development specification 2. direct support 3. development schedule 4. door switch 5. data system 6. doublesided 7. department supervisor

DSA—1. dual stronglink assembly 2. direct support activity

DSAC—deterministic severe accident criteria

DSARC—Defense System Acquisition Review Council (obsolete; use Joint Requirements and Management Board)

DSAT—anti-satellite defense

DSB—1. Defense Science Board 2. double sideband (modulation)

**DSC—1. differential scanning calorimetry
2. direct satellite communication**

DSCA—differential strain curve analysis

DSCS—defense satellite communications system

DSD—data security device

DSDP—deep-sea drilling project

DSE—distributed system environment

DSG—downhole steam generator

DSGS—direct support/general support

DSI—Decision Sciences Institute

DSID—disposable seismic intrusion detector

DSK—disk

DSL—direct-strike lightning

DSLA—dual stronglink assembly

DSM—data stream multiplexer

DSN—defense switched network

DSP—1. doctoral study program 2. defense support program 3. digital signal process (or processor)

DSRD—data systems research and development

**DSS—1. decision support systems
2. double shell slurry 3. designated seismic station**

DSSF—double-shell slurry feed

DSSL—detonator safing stronglink

DST—double-shell tank

DSTO—Defense Science and Technology Organization (Australia)

DSV—defense suppression vehicle

DSVS—deployable seismic verification system

**DSW—1. Director of Special Weapons
2. Directed Stockpile Work**

DSX—digital signal crossconnect

**DT—1. diffraction tomography
2. dedicated target**

D-T—deuterium-tritium

**DTA—1. differential thermal analysis
2. dynamic testing agency 3. designated travel agency**

DTC—desktop casting

DT²C³—Director of Theater and Tactical Command, Control, and Communications (Office of the Secretary of Defense)

DTD—1. document type definition 2. data transfer (or transport) device

DTDB—digital terrain database

DTE—data terminal equipment

DTED—digital terrain elevation data

DTEM—digital terrain elevation map(s)

DTER—drawing transfer engineering release

DTIC—Defense Technical Information Center

**DTL—1. diode transistor logic
2. decontamination team leader**

DTMF—dual-tone modulated frequency

DT/OT—development test/operation test

DTP—1. desktop publishing 2. diversified telephone portfolio

DTR—delivery to reclamation

DTR90—taut wire sensor (one wire)

DTR2000—taut wire sensor (two parallel wires)

DTRA—Defense Threat Reduction Agency

DTRG—dry tuned motor gyroscope

DTU—data transfer (or transformation) unit

DTUC—data transfer unit cartridge

DTV—device transport vehicle

DTVB—digital television backup

DTVE—digital television element

DTWI—DOE transuranic waste integration

**DU—1. distribution unit 2. depleted uranium
3. Dobson unit (used in measuring ozone)**

DUU—deliberate unauthorized use

DUVAS—derivative ultraviolet absorption spectroscopy

DV—data are valid

D&V—demonstration and validation

DVA—direct viscosification agent

DVM—digital voltmeter

DVP—deferred vested pension

DVPS—digital voice processing system

DW—1. dry well 2. development warhead

DWCS—digital wireless control system

dwg—drawing

DWI—driving while intoxicated (or impaired)

DWMP—Defense Waste Management Plan

DWPF—Defense Waste Processing Facility

DWS—digital weapon simulator

DWTM—(Office of) Defense Waste and Transportation Management (DOE)

DWV—dielectric withstanding voltage

DWVA—differential waveform analysis

DXT—depth times thickness

Dy—dysprosium (chemical symbol)

DYMAC—dynamic material control

dyn—dyne (a unit of force in the centimeter-gram-second system; use newtons instead)

E

E- —exa- (a prefix)

E—1. environmental (test) 2. electrical (hazard)

**EA—1. environmental assessment
2. emergency action 3. employee awards
4. endangerment assessment**

EAC—Energy Advisory Committee

EACI—Environmental Air Control, Inc.

EACLOC—electron-alkali (Atom) close coupling (computers)

EACT—emergency action and coordination team

EADAS—engineering and administrative data acquisition system

EAG—extended absence greeting

**EAM—1. emergency action message
2. embedded atom method**

**EAP—1. Employee Assistance Program
2. Educational Assistance Program 3. emergency-action procedures**

EAPRO—Employee Assistance Program Referral Option

**EAR—1. environmental assessment report
2. Export Administration Regulation**

EAROM—electrically alterable read-only memory

EAS—employee accounting system

EASI—estimate of adversary sequence interruption

EB—1. exploding bridge 2. Electrolyte binder

EBAM—electron-beam addressable memory

EBC—Employee Benefits Committee

EBCDIC—extended binary-coded decimal-interchange code (computers)

EBCE—electron-beams control electronics

EBFA—electron-beam fusion accelerator

EBIC—electron-beam-induced current

EBIS—electron-beam ion source

EBM—electron-beam machining

**EBR—1. electron-beam recording
2. experimental breeder reactor**

EBRC—Equipment Budget Review Committee

EBW—exploding bridgewire

EBWR—experimental boiling-water reactor

**EC—1. environmental chamber
2. European Community 3. exceptional contributor**

ECA—electronic (or electrical) component assembly

ECAD—electronic computer-aided design

ECAP—European Conflict Analysis Project

ECB—electronic code book

**ECC—1. emergency cardiac care
2. emergency core coolant(or cooling)**

ECCD—electrical compatibility control drawing

ECCI—1. electronic commerce of component information 2. emergency core coolant (or cooling) injection

ECCM—electronic counter-countermeasures

ECCN—export commodity control number

ECCS—emergency core-cooling system

ECD—electron capture detector (explosives)

**ECF—1. Entry Control Facility
2. extracellular fluid 3. Explosives Components Facility**

E&CF—events and causal factors

**ECL—1. emitter-coupled logic
2. Execution Control Language
3. environmental checklist**

ECL/ADM—environmental checklist/action description memorandum

ECLO—emitter-coupled logic operator

**ECM—1. electronic countermeasure
2. electrochemical machining
3. environmentally conscious manufacturing**

ECMC—enhanced crisis management capability

eco—electron-coupled oscillator

ECO—export controlled operations

ECOTRAC—ecology tracking

**ECP—1. engineering change proposal
2. Employee Contribution Plan 3. entry control point**

**ECR—1. engineering change request
2. electron cyclotron resonance
3. emergency conference room**

**ECS—1. environmental control system
2. emergency cooling system
3. emergency control station**

ECSW—extended channel status word

ECT—evaporator condensate tank

ECTL—emitter-coupled transistor logic

ECTU—electrical compatibility test unit

ECU—environmental control (or conditioning) unit

ECUT—energy conversion and utilization technologies

ECW—effluent cooling water

**ED—1. engineering and development
2. explosive destruction 3. emergency destruction 4. external device (computers)**

E&D—environmental and degrading (or destructive)

EDAC—Earth Data Analysis Center (UNM)

EDAX—energy defensive analysis with x-rays

EDB—1. energy (science and technology) database 2. ethylene dibromide

EDC—Employee Development Center

EDD—enforcement decision document

EDE—effective dose equivalent

EDF—Environmental Defense Fund

EDG—emergency diesel generator

EDLN—edge and line (weights)

EDM—1. electron discharge machine (or machining) 2. electrical discharge machining (or machine)

EDMA—electronic design and manufacturing automation

EDNA—externally driven nuclear assembly

EDOC—error detection or correction

EDP—electronic data processing

EDPE—electronic data-processing equipment

EDPM—electronic data-processing machine

EDPS—electronic data-processing system

EDR—electric dispersion reactor

EDRE—emergency deployment readiness evaluation

EDRS—environmental data reporting system

EDS—1. energy dispersive spectroscopy
2. emergency disablement system
3. electronic disk storage 4. explosives detection system 5. earth data system
6. event dataset 7. Explosive Destruction System

EDU—error detection unit

EDW—environmental development warhead

EDX—exoatmospheric discrimination experiment

EE—1. engineering evaluation 2. electrical engineer 3. external evaluation

E&E—energy and environment

EEC—European economic community

EE/CA—engineering evaluation and cost analysis

EED—1. end event data 2. electro-explosive device

EEFI—essential elements of friendly information

EEG—electroencephalograph

EEM—essential equipment monitor

EEO—Equal Employment Opportunity

EEO/AA—Equal Employment Opportunity/Affirmative Action

EEOC—Equal Employment Opportunity Commission

EEPROM—electrically erasable programmable read-only memory (see EPROM)

EER—1. engineering evaluation reactor
2. engineering evaluation release

EERC—Energy and Environment Research Center

EEROM—electrically erasable read-only memory

EERU—environmental emergency response unit

EES—electric energy systems

EEV—employee expense voucher

ef—E-field (fence)

EFC—electronic filmless camera

EFCOG—energy facilities contractors operating group

eff—efficiency

EFF—electric field fence

EFI—exploding foil initiator

EFMS—electronic forms management system

AFP—explosively formed projectiles

EFT—1. electronic fund transfer
2. electronic file transfer

EFTS—electronic funds transfer system

e.g.—exempli gratia (for example)

EG—emergency generator

EGA—enhanced graphic adapter

EG&G—Edgerton, Germeshausen and Grier, Inc. (DOE Contractor)

EGR—energy gamma rays

EGS—engineering graphics system

EH—environment and health

EHD—electrohydrodynamics

EHEMP—enhanced, high-altitude electromagnetic pulse

EHF—extremely high frequency (UHF is preferred)

EHS—extremely hazardous substance

EHV—extremely high voltage (UHV is preferred)

EHVL—enhanced hypervelocity launcher

EIA—1. Electronic Industries Association
2. economic impact assessment 3. Energy Information Administration (DOE)

EIC—environmental Information Center

EIF—Enterprise Integration Facility

EIG—electronic installation group

EIIS—energy intelligence information system

EIN—employer identification number

EIS—1. environmental impact statement
2. engineering information system
3. export in-formation system

EIVR—exchange of information by visits and reports (in US/UK defense agreements)

EIVS—experimental inventory verification system

EKG—electrocardiograph (or electrocardiogram)

EL—1. erector launcher 2. environment laboratory

ELC—erector-launcher car

ELF or elf—extremely low frequency

ELI—early litigation qualification

ELINT—1. electromagnetic intelligence
2. electronic intelligence

ELKE—elevated kinetic-energy (weapon)

ELS—1. enhanced line security
2. explosive light source

ELTECH—Electrotechnical University of St. Petersburg

EM—1. electromagnetic 2. Energy Measurements, Inc. (subsidiary of EG&G) 3. environmental monitoring (or management)

EMAT—electromagnetic acoustic transducer

EMC—electromagnetic compatibility

**EMCC—1. Electromagnetic Code Consortium
2. Emergency Management Coordination
Committee**

EMEA—electronic mail enabled application

**EMES—electromagnetic environment
simulator**

**EMF or emf—1. electromagnetic force (or
field) 2. electromotive force**

EMFG—explosive magnetic flux generator

EMG—explosive Marx generator

EMI—electromagnetic interference

**EMINS—emergency management information
system**

**EMIS—emergency management information
system (sometimes abbreviated as EMINS)**

**EML—1. electromagnetic launcher
2. equipment maintenance log**

**EMMS—electromagnetic measurements
system**

**EM&NR—energy, minerals, and natural
resources**

**EMP—1. electromagnetic pulse
2. enrichment monitor processor
3. electron microprobe 4. environmental
monitoring program**

EMR—electromagnetic radiation

**EMS—1. emergency management system
2. emergency medical service**

**EMSL—Environmental Monitoring Systems
Laboratory**

**EMT—1. emergency medical technician
2. executive management team**

emu or EMU—electromagnetic unit

EMX—electromagnetic X

ENDF—evaluated nuclear data file

**ENDS—1. enduring NUDET detection system
2. enhanced nuclear detonation safety**

ENET—Ethernet

ENG—electronic newsgathering

ENNE—enterprise network excellence

ENNK—endoatmospheric nonnuclear kill

ENR—energy neutrons

ENS—emergency notification system

ENSCE—enemy situation correlation element

ENV—environmental

**EnviroTRADE—environmental technologies
for remedial actions data exchange**

e/o—enrichment percent

**EO—1. equal opportunity 2. environmental
operations 3. executive order**

EOA—end of address

**EOC—1. Emergency Operations Center
2. Environmental Operations Center**

**EOD—1. explosive ordnance disposal
2. erasable optical disk**

EOF—end of file

EOL—end of life

EOM—1. end of message 2. end of month

EON—external open network

EOP—experimental operating procedure

EOR—enhanced oil recovery

EOS—1. equation of state 2. earth observation system 3. equal opportunity specialist

EOSAT—earth observation satellite

EOOSC—electro-optics subcouncil

EOS/ESD—electrical overstress/ electrostatic discharge

EOSP—electrooptic signal processor

EP—1. earth penetrator 2. engineering procedure 3. environment protection 4. Electronic parts 5. exceptional performance

EPA—1. Environmental Protection Agency 2. electrical penetration assembly 3. Equal Pay Act

EPAC—1. Educational Programs Activity Committee 2. East Pacific

EPC—early Pentagon capability

EPCA—Energy Policy and Conservation Act

EPD—engineering production document

EPI—1. electronic position indicator 2. engineering process improvement

EPIC—El Paso International Center (Fort Bliss, Texas)

EPICURE—experimental physics interactive controls user resource enhancement

EPLD—erasable programmable logic devices

EPMS—enhanced property management system

EPOCH—electron propagation on channels

EP&P—electronic publishing and printing

EPR—1. ethylene-propylene rubber 2. electron paramagnetic resonance 3. experimental power reactor 4. employee placement report 5. employee personnel record

EPRI—Electric Power Research Institute

EPRO or epro—end product

EPROM—erasable (or electrically) programmable read-only memory (see EEPROM)

EPSF—encapsulated postscript format

EPW—earth-penetrating weapon

EPZ—emergency planning zone

Eq—equation (used only before a number); plural is Eqs

EQ—equipment qualification

EQFD—enhanced quality function deployment

EQIP—equipment qualification inspection program

EQRC—Electronics Quality Reliability Center

equiv—1. equivalent 2. also equivalency

ER—1. engineering release 2. environmental restoration 3. energy research 4. enhanced radiation 5. energy ratio

ERA—1. electron ring accelerator 2. Economic Regulatory Administration (DOE) 3. ERDA research abstract 4. expedited response action

ERAB—Energy Research Advisory Board

ERAD—explosive release atmospheric dispersion

ERADCOM—Electronics Research and Development Command (Army)

**ERB—1. Energy Resources Board
2. exclusion region barrier**

ERC—Engineering Research Center

ERCS—emergency response cleanup services

ERD—emergency response director

ER&D—exploratory research and development

ERDA—Energy Research and Development Administration (previously AEC and now DOE)

ER&E—Exxon Research and Engineering

erf—error function

erfc—error function (complement of)

ERG—Executive Review Group

ergs—erg-second (obsolete; use joules)

ERIM—Environmental Research Institute of Michigan

ERIS—exoatmospheric reentry intercept system

ERISA—Employee Retirement Income Security Act

ERL—emergency reference level

ERNS—emergency response notification system

EROM—erasable read-only memory

**ERP—1. equipment requirement program
2. effective radiated power 3. emergency response procedure**

ERPG—emergency response planning guideline

ERPO—Environmental Restoration Project Office (DOE)

ERS—equipment requirements schedule

ERST—environmental restoration site tracking

**ERT—1. emergency response team
2. environmental response team**

ERU—equipment replaceable unit

ERV—emergency relief valve

ER&WM or ER/WM—environmental restoration and waste management

ES—expert system

E&S—error and sensitivity

**ESA—1. engineering science assistant
2. electronic safety and arming
3. Endangered Species Act**

ESAAB—Energy Systems Acquisitions Advisory Board

ESAD—1. electronic safing, arming, and detonation 2. electronic safing and arming device

ESAF—electronic safe arm fire

ESAISA—explosive safety internal self-assessment

ESAISA—European Safeguards and Research Development Association

ESARDA—European Safeguards and Research Development Association

ESAT—environmental services assistant team

**ESC—1. Enhanced Surveillance Campaign
2. Electrical Safety Committee 3. electrostatic chuck**

ESCA—electron spectroscopy for chemical analyses

ESCS—emergency satellite communications system

e.s.d.—estimated standard deviation

ESD—1. environmental sensing device
2. electrostatic discharge 3. electron-simulated desorption 4. emergency shutdown device

ESF—1. Exploratory Studies Facility
2. exploratory shaft facilities
3. engineered safety features

ESFAS—engineered safety features actuation system

ES&H—environment, safety, and health

ESHAC—Environmental Safety and Health Advisory Committee

ESI—1. extremely sensitive information
2. equivalent series inductance
3. expanded site investigation 4. effluent species identification

ESIE—extended SATKA integrated experiment

ESIU—ejector-store interface unit

ESM—environmental sensor (or status) monitor

ESNA—European Society of Nuclear Methods in Agriculture

ESOP—Employee Stock Ownership Plan

ESP—electrostatic precipitator

ESQD—explosive safety quantity distance

ESR—1. electron spin resonance 2. early storage reserve 3. electroslag remelting
4. equivalent series resistance

ESS—1. engineering safeguards system
2. electronic switching system
3. engagement simulation system
4. essential 5. environmental stress screening

ESSA—electronically switched spherical array

ESSG—environmental-sensing signal generator

E&ST—employment and suitability test

ESTSC—Energy Science and Technology Software Center (Oak Ridge, TN)

ESTS—electronic systems test set

esu—electrostatic unit

ESU—energy storage unit

ESW—emergency service water

ET—1. European (Warning) Terminal
2. event tree

ETA—estimated time of arrival

et al.—et alii (and others)

ETAS—elevated target acquisition system

etc.—et cetera (and so forth)

ETC—electrothermal/chemical

E/TE—experiment/test engineers

ETF—1. Experimental Test Facility
2. Engine Test Facility

ETHZ—translation: Swiss Federal Technical University in Zurich

ETI—early transient incapacitation

ETIS—elapsed-time indicator system

ETL/ISG—engineer topographic laboratories/intelligent system group

ETR—electrothermal response

ETS—1. energy transfer system
2. electronic translator system

ETU—1. early training unit
2. environmental test unit

ETV—educational television

eu—entropy unit

e.u.—electron unit

EUCOM—European Command (US)

EUDED—Army Corps of Engineers, European Division

EUNIE—European nuclear interface unit

EUQS—environmental unique signal

EURATOM—European Atomic Energy Community

EUVL—extreme ultraviolet lithography

eV—electron volt

EV—1. electric vehicle 2. electronic viewing

EVE—1. exemplary volunteer effort
2. Enterprise-information viewing environment
3. electronic viewing environment

EVM—electronic voltmeter (formerly called VTVM: vacuum tube voltmeter; used now to refer to equipment)

EVP—executive vice president

EW—1. European Warning 2. electronic warfare

EWO—1. electronics warfare officer
2. Emergency War Order

EWP—Emergency War Plan

EWS—early warning system

EWT—emitter wrapthrough

EX—exemption request

EXCOMS—executive communications system

exp—1. exponent 2. exponential

expt—experiment

EXR—energy x-rays

EZU—extended zone unit

F

f—femto (a prefix indicating 10^{-15})

f/16—aperture ratio 16

°F—degrees Fahrenheit

F—1. farad (electric capacitance) 2. fermi (length equal to 10^{-15} meter) 3. fluorine (chemical symbol) 4. fuze

fa—femtoampere

FA—1. field artillery 2. forward area
3. failure analysis 4. funds advance

FAA—1. Federal Aviation Administration
2. functional area appraisal

FAASV—field artillery ammunition supply vehicle

FAATC—Federal Aviation Administration Technical Center (Atlantic City, NJ)

FAC—1. fast-acting closure 2. facility

FACE—findable accurate, comprehensive, and effective

FACET—a computer program for model smoothing

FACOM—Field Artillery Command

FACP—fire alarm control panel

FACR—facts, analysis, conclusions, and recommendations

FACS—future armored combat system

FACT—1. fully automatic compiler-translator
2. Facility for Calibration and Test (Coyote Canyon)
3. Federation of Automated Coding Technologies

FAD—fuzing and arming device

FADE—focus, analyze, develop, and execute

FADS—force administration data system

FAE—fuel air explosive

FA&F—fuzing, arming, and firing

FAID—1. fuel assembly identification
2. fuel assembly integrity devices

FAIS—Foreign Affairs Information System

FAIT—facilities asbestos implementation team (see FAMT)

FALCON—fission-activated laser concept

FAM—facility assessment methodology

FAMT—facilities asbestos management team (see FAIT)

FAN-E—Flaming Arrow Network, Europe

FAO—Federal Agency Order

FAR—1. false-alarm rate 2. fly-away round
3. federal acquisition regulation 4. federal aviation regulation

FARR—failsafe and risk-reduction (study)

FAS—Federation of American Scientists

FAST—1. Fourier amplitude sensitivity test
2. future artillery systems technology
3. facilities accelerated system teams

FASTCAST—delivers investment cast hardware

FAT—factory acceptance test

FATE—fuzing, arming, testing, and evaluation

fax or FAX—facsimile message

FBA—force-balance accelerometer

FBC—fluidized bed combustion

FBI—Federal Bureau of Investigation

FBIA—force-balance integrating accelerometer

FBIS—Foreign Broadcast Information System

FBM—fleet ballistic missile

FBR—fast breeder reactor

fc—1. flow chart 2. footcandle

FC—1. full contributor 2. fluorocarbon

FCA—functional configuration audit

fcc—face-centered cubic

FCC—1. Federal Communications Commission
2. Facilities Command Center (SNL)

FCCSET—Federal Coordinating Council for Science, Engineering, and Technology

FCDC—flexible confined detonating card

FC/DNA—Field Command/Defense Nuclear Agency

FCI—1. Fluid Controls Institute 2. fuel-coolant interaction

FCL—fault current limiter

FCO—final change order

FCP—1. fuel cycle program (or plant) 2. Field Command Post 3. forward control point 4. fluid coupled plate 5. flight computer program

FCR—facilities customer representative

FCS—fire control system

FCSM—field command stockpile management

fcst—forecast

FCTI—fuel coolant thermal interaction

FDA—1. Food and Drug Administration 2. fuel distribution analyzer

FDB—field distribution box

FDD—facility design document

FDDI—fiber distributed data interface

fdm—frequency-division multiplexing (or multiplexer)

FDM—fixed detection mode

FDR—final development report

FDS—fence disturbance sensor

Fe—iron (chemical symbol)

FE—1. ferroelectric 2. fossil energy 3. facility engineer 4. Facilities Express 5. finite element

FEA—finite element analysis

FEB—functional electronic block

FEBA—forward edge of battle area

FECOM—Far East Command

fed—1. federal 2. federated 3. federation

FEDS—forced entry deterrent system

FEMA—Federal Emergency Management Agency

FEMP—Fernald Environmental Management Project

FEMTRAN—radionuclide transport model

FENCER—NATO code for Soviet bomber

FEP—front-end processor (computers)

FEPCA—Federal Environmental Pollution Control Act (1972)

FERC—Federal Energy Regulatory Commission (DOE)

FERF—Fusion Engineering Reactor Facility

FES—flight environment sensor

FESEM—forcible entry safeguards effectiveness model

FESOP—Facilities Engineering Standard Operating Procedures

FESS—front-end security system

FET—1. ferroelectric transistor 2. field-effect transistor (switch)

FEWS—follow-on early warning system

FFA—1. federal facilities agreement
2. freefall airburst

FFBD—functional flow back diagram

FFCA—federal facilities compliance agreement

FFE—failed fuel element

FFG—free fall groundburst

FFM—failed fuel mockup

FFP—firm fixed price

FFRDC—Federally Funded Research and Development Center

FFS—fast-flag sensor

FFT—fast Fourier transform

FFTF—Fast Flux Test Facility

FGD—flue gas desulfurization

FGIS—facilities geographic information system

FHAR—fire hazard analysis report

FHSA—Federal Hazardous Substances Act (1966)

FHWA—Federal Highway Administration

FI—Ferrovie Italiane

FIBITE—fault isolation built-in test

FIC—1. Financial Information Center
2. frequency interference control

FICI—failed instrument component inspection

FID—flame ionization detector

FIDO—financial download (tool)

FIDS—facility intrusion detection system

FIDU or fidu—fiducial

FIESTA—field safety technical assistance

FIFA—fissions per initial fissile atom

FIFO—first-in, first-out (for inventory; also used in the computer field as a method of retrieving items)

FIFRA—Federal Insecticides, Fungicide, and Rodenticide Act

Fig.—figure (avoid abbreviation; best to spell out)

FIG—fast ion gauge

FIJ—facts, inference, and judgment

FIMA—fissions per initial metal atom

FIMS—facilities information management system

FIPS—federal information processing standards

FIR—1. far-infrared (laser) 2. finite impulse response

FIRL—Franklin Institute Research Laboratory

FIS—1. financial information system
2. fluoroimmuno sensor

FISUG—FIS user group

FIT—field investigation team

FITS—1. fully instrumented test site
2. focus information technology showcase

FKE—fracturable keying elements

fl—fluid

fl—foot lambert (sometimes written ftL)

FLAWLES—flight analysis by a weighted least-squares (technique)

FLC—1. Federal Laboratory Consortium
2. Federal Laboratory Commission

FLEA—flux logic element array

FLECHT—full-length emergency core heat transfer

FLIR—forward-looking infrared

FLMPR—forward-looking, material-penetrating radar

FLOSIM—flow simulation (computers)

FLOT—forward line of own troops

FLSA—Fair Labor Standards Act

FLSC—flexible linear-shaped charge

FLTSATCOM—Fleet Satellite Communications

fm—femtometer (also used as fermi)

FM—1. frequency modulation
2. Ferromagnetic 3. fully meets
4. function manager 5. field manual
6. factory mutual

F-map—feature mapping

FMCS—Federal Mediation and Conciliation Service

FMD—fuel motion detection

FMDF—fixed-mirror distributed focus

FMEA—Failure Mode and Effects Analysis

FMEF—fuels and materials examination facility

FMHR—field material-handling robot

FMLA—Family Medical Leave Act

FMS—1. forms management system
2. financial management service
3. flexible manufacturing system
4. foreign military sales

FMSC—fixed-mirror solar concentrator

fnp—fusion point (nuclear technology)

FNSI—finding of no significant impact (sometimes written as FONSI)

FO—fiber optics

FOB—free on board

FOC—full (or final) operational capability

FOCI—foreign ownership, control, or influence

FODOCS—feasibility of disposal of contaminated soil

FOG—future options group (SNL)

FOGM or FOG-M—fiber-optic guided missile

FOIA—Freedom of Information Act

FOLLS—fiber-optic liquid level sensor

FONSI—finding of no significant impact (more commonly written as FNSI)

FOR—field of regard

FORSCOM—Forces Command (Army)

FORTTRAN—formula translator (or translation) (computers)

FOS—fiber optic sensor

FOSDIC—film optical scanning device for input to computers

FOT—follow-on operational test

FOTL—follow-on to Lance

FOV—field of view

fp—freezing point

FP—1. facility personnel 2. fission product

**FPA—1. floating point accelerator
2. Federal Preparedness Agency**

FPD—flame photometric detector

FPDR—first production drawing release

FPPF—full power, full frequency

FPGA—field programmable gate array

FPMR—Federal Property Management Regulation

FPP—1. financial preprocessor 2. floating point processor

fps—1. frame per second 2. feet per second; also ft/s

FPS—fence protection system

FPU—first production unit

FQR—field quality representative

FR—1. France 2. Federal Register

FRA—Federal Railroad Administration

FRAM—ferroelectric random-access memory

FRAS—fission gas release and swelling (computers)

FRB—fast rise-time breakdown

FR/CP—functional representatives and counterparts

FRD—formerly restricted data

FREADM—fast reactor excursion and accident dynamics model (computers)

FREC—fuel-ringed external cavity

FRED—faceted region editor

freq—frequency

FRERP—Federal Radiological Emergency Response Plan

FRG—Federal Republic of Germany

FRMAC—Federal Radiological Monitoring and Assessment Center

FROG—free rocket over ground

FROKA—First Republic of Korea Army

FRP—fire-resistant pit

fs—femtosecond

FS—1. firing set 2. fuming sulphuric (smoke agent) 3. feasibility study

F&S—Fenix & Scission, Inc.

FSA—1. fuel sphere assembly 2. firing system assembly 3. forward staging area 4. forward support assembly

FSAC—Facilities Safety Appraisal Committee

FSAR—Final Safety Analysis Report

FSC—Federal Supply Classification

FSCC—File Support Coordination Center

FSD—full-scale development

FSE—fire-support element

FSG—Federal Supply Group

FSK—frequency-shift keying (see PSK)

**FSL—1. Flight-Simulator Laboratory
2. formal semantics language (computers)
3. field storage location**

FSM—1. fail-safe memory 2. financial systems migration

FSMB—financial system management board

FSN—1. federal stock number 2. Foreign Service National

FSO—facility security officer

FSP—foreign service post

FSPS—free-standing plasma-sprayed

FSR—functional security requirement

FSRB—fuze safety review board

FSS—federal supply schedule

FSSG—Force Service Support Group

FSU—Former Soviet Union

ft—foot or feet

FT—1. frame transfer 2. Fourier transform

FTE—full-time equivalent (or employee)

FTF—Falcon Test Facility

FTIR—Fourier transform infrared (spectroscopy)

FTIS—financial transaction interface system

ftL—see fL

ft-lbf—pound force per foot

FTM—flight test missile

ft/min—feet per minute

ft³/min—cubic feet per minute (preferred over liters per second: L/s)

FTOS—flight-termination ordnance system

FTP—file transfer protocol

ft-pdl—foot poundal

FTPA—Field Task Proposal Agreement; see WPAS

FTPS—financial transaction processing system

FTQ—flight test qualification

FTR—fast test reactor in FFTF

FTS—Federal Telecommunications System

ft/s—feet per second; also fps

ft³/s—cubic feet per second

FTSC—fault tolerance spaceborne computer

FTU—flight test unit

FU—Finsen unit (electromagnetics)

FUFO—full fuzing option

FUSRAP—Formerly Utilized Sites Remedial Action Program

fV—femtovolt

FVC—filtered vented containment

FW—1. feed water 2. filter wheel

FWA—flow weighted average

FW/BCR—feed withdrawal/building control room

FWCA—Fish and Wildlife Coordination (1958)

FWCC—fine-weave carbon-carbon

fwd—forward

FWDC—Foster Wheeler Development Corporation

FWDR—Final Weapon Development Report

FWHM—full width, half maximum

FWP—field work proposal

FWPCA—Federal Water Pollution Control Act (obsolete; now Clean Water Act)

FWPF—fine-weave pierced fabric

FY—fiscal year

FYDP—Five-Year Defense Program

FYI—for your information

FYPP—Five-Year Program Plan

FZ—flow zone

G

g—gram (sometimes gm, but g is preferred)

g or G—acceleration due to gravity

G—1. gain 2. giga- (a prefix indicating 10^9)

ga or GA—gauge

GA—1. gun assembled 2. genetic algorithms

G&A—general and administrative

GaA—gallium arsenide

GaAlAs—gallium-aluminum arsenide

GACC—ground attack control capability

GADRAS—gamma detector response and analysis software

GAF—German Air Force (Luftwaffe)

G/AIT—ground/airborne integrated terminal

gal—gallon

gal/min—gallons per minute

GAMA—generation and maintenance area

GAO—General Accounting Office

GAPP—global atmospheric research program

GAS—global antenna system

GAT—Goodyear Atomic Corporation

GATERS—ground-to-air telerobotic system

GAWR—graphic arts work request (obsolete; now referred to as service order request: SOR)

GBARC—Great Britain Aeronautical Research Council

GBEE—Governor's Business Executives for Education

**GBI—1. ground-based interceptor
2. graduate business internship**

GBR-X—ground-based radar experiment

Gbyte—gigabyte

GC—gas chromatograph

G&C—guidance and control

GCD—greater confinement disposal

GCEP—gas centrifuge enrichment plant

GCFBR—gas-cooled fast breeder reactor

GC/FPD—gas chromatograph/flame photometric detector

GCM—global circulation model

GC/MS—gas chromatographic mass spectrometer

GCN—ground communications network

GCRP—global change research program

Gc/s—gigacycles per second (obsolete; use GHz)

GCS—general communications system

GD/C—General Dynamics/Convair (obsolete; now Lockheed)

GDC—general design criteria

GDE—geologic disposal evaluation

GDH—global data handler

GDO—geothermal drilling organization

GDP—GNT data processor

GDS—general declassification schedule

GDT—ground data terminal

GE—General Electric (Company)

GE-BRD—General Electric, Breeder Reactor Division

GEM—1. generator, electronic marker
2. graduate in engineering for minorities (summer program)

GENDD—General Electric Neutron Device Department (now the Pinellas Plant)

GENSER—general service

GEONDS—Ground EMP Optical NUDET (nuclear detonation) System

GEOTEMP—geological temperature (computers)

GEP—1. ground entry point 2. graduate education program

GESMO—generic environmental statement on mixed oxide

GESS—generator exhaust signature suppressor

GETS—group emergency telephone system

GeV—gigaelectron volt

GFCI—ground fault circuit interrupter

GFE—government-furnished equipment

GFI—ground fault interrupter

Gflops/s—floating point operations per second

GFP—Government-Furnished Property (property assigned to commercial and educational institution subcontractors)

GFS—government-furnished software

Gg—gigagram

GG—GNT gateway

G&G—geophysical and geodetic

GHA—ground hazard area

GHP—geothermal heat pump

GHQ—General Headquarters

Ghz—gigahertz

Gi—gilbert

GIDEP—government-industry data exchange program

GIE—ground interface electronics

GIF—1. Gamma Irradiation Facility
2. guaranteed interest fund

GIGO—garbage in, garbage out (computers)

GIP—geotechnical instrumentation package

GIS—1. gas-insulated substation
2. geographic (or global) information system

GISC—generic intelligent system controller

GISP—geotechnically instrumented seafloor probe

GISSP—geotechnical in situ strength probe

GJPO—Grand Junction Projects Office (DOE)

GL—general linear

GLCM—ground-launched cruise missile

GLONASS—Global Navigation Satellite System (Soviet Union)

GLT—glycine-L-tyrosine (a typical drug molecule)

gm—gram (it is preferable to use g)

g/m³—grams per meter cubed

GM—1. General Motors 2. geometry modeling

G-M—Geiger-Mueller counter

GMB—glass microballoon

GMC—guided missile cruiser (nuclear)

GMCP—ground maintenance computer program

GMT—Greenwich mean time

gmv—gram-molecular volume

GNR—general nuclear release (or response)

GNS—global navigation system

GNT—ground NUDET terminal

GO—government obligations

GOCO—government-owned, contractor-operated (DOE)

GOES—geostationary operational environmental satellite

GOP—general output

GOSIP—Government Open Systems Interconnect Profile

GOSSAT—Group on Soviet Science and Technology

GOX—gaseous oxygen

GP—general purpose

GPa—gigapascal

GPA—grade point average

GPBTO—general-purpose, barbed-tape obstacle (concertina)

GPC—1. gas permeation chromatography
2. giant piston core

GPE—general plant equipment (see GPP)

GPIB—general purpose instrumentation bus

gpm—gallons per minute

GPMPP—groundwater protection management protection plan

GPO—Government Printing Office

GPP—1. General Plant Project 2. general-purpose plant (equipment) (see GPE)

GPR—ground-penetrating radar

GPS—1. global positioning system
2. global positioning satellite 3. gas purification system 4. groundwater protection strategy

gr—1. grain 2. gross

GRADIN—gradient inverse

GRASER—gamma-ray laser

GRASS—gas release and swelling subroutine (computers)

GRI—Gas Research Institute

GRINSH—graded index separate-confinement heterostructure

GRIS—gamma-ray imaging system (or spectrometer)

GRO—gamma-ray observatory

grp—ground reference point

GRS—1. global receiver system 2. general records schedule 3. Geoscience and Remote Sensing (Journal)

GRU—translation: Soviet Intelligence Directorate of the General Staff

GS—geological survey

GSA—General Services Administration (Agency of the Federal Government)

GSAC—gas-sealing auxiliary closure

GSE—1. ground support equipment
2. group of scientific experts

GSF—Goelectric Simulation Facility

GSFC—Goddard Space Flight Center

GSL—general scattered light (version of SPIRITS)

GS/MS—gas chromatography/mass spectrometry

GSSE—ground system support engineer

G/T—(ratio of) gain (noise) to temperature

GTA—gas tungsten arc

GTCC—greater than Class C

gtd.—guaranteed

GTDA—general (license) technical data and annotation

GTE—General Telegraph and Electric (Company)

GTM—1. ground test missile 2. gang temperature monitor

GTPP—gas transfer pilot project

GTR—Government Travel Requisition

GTS—1. guidance test set 2. ground test missile 3. gas transfer system

GTSN—global telemetered seismographic (or seismic) network

GTU—ground test unit

GTUF—G-tunnel Underground Facility

GUI—graphics (or graphical) user interface

GUIDAR—guided intrusion detection and ranging

GUILD—government, university, industry, and laboratory development

GV—ganged valve
GVI—graphic users interface
G/VLLD—ground/vehicular laser locator designator
GVLS—global verification locating system
GVR—gas volume ratio
GVWR—gross vehicle weight rating
gw—ground water; also groundwater
GW—gigawatt
GWEN—ground wave emergency network
GWOA—guerilla warfare operational area
GWS—general war system
Gy—gray (unit of radiation dosage)
GZ—ground zero (nuclear detonation)

H

h- —hecto- (a prefix indicating 10^2)
h—hour (also hr)
H—1. henry (electric inductance)
2. horizontal 3. hazardous (materials, substances, and wastes)
ha—hectare
HAA—heterogeneous aerosol agglomeration (computers)
HABE—high altitude balloon experiment
HAC—heliostat array control

HACV—heavy armored combat vehicle
HAD—hazard assessment document
HAF—high-altitude fuze
HAGAR—Highly Agile Ground Assessment Robot
HAI—hazard assessment information (HAI form is obsolete)
HAMOC—hammer analysis method of characteristics (computers)
HAP—hazard analysis process
HARC—helicopter accident-resistant container
HARP—1. hazards assessment of rocket propellants (terminated in 1989) 2. high altitude research project
HAS—hardened aircraft shelter (see PAS)
HASP—health and safety plan
HATS—hazard abatement tracking system
hav—haversine
HAW—hypersonic aerodynamic weapons
HAWT—horizontal-axis wind turbine
HAZ—heat-affected zone
HAZCOM—hazard communication rule
HAZMAT (or HazMat)—hazardous material
HAZOP—hazard and operability
HAZWOPER—hazardous waste operations and emergency response
HAZWRAP—hazardous waste remedial action program

**HBCU—Historically Black
Colleges/Universities**

HBV—Hepatitis B virus

**HC—1. hexachloroethane (screening smoke)
2. honeycomb 3. hazard class 4. hydrocarbon**

HCA—high contamination area

**HCC—1. Headquarters Communications
Center 2. Headquarters Command Center
(SNL)**

HCDA—hypothetical core disruptive accident

HCE—health consultation evaluation

HCF—Hot Cell Facility

HCFC—hydrogenated chlorofluorocarbon

HCl—hydrochloric acid

HCM—high-current mode

hcp—hexagonal close packed

HCP—hearing conservation program

HCSA—health care spending account

HD—high density

HDC—Headquarters Data Center

**HDL—Harry Diamond Laboratories (Adelphi,
MD)**

HDP—high delta pressure

HDR—hot dry run

HDS—hydrodesulfurization

HDTV—high-definition television

HDW—Hanford defense waste

HDX—half-duplex (circuits)

HE—1. high explosive 2. human error

HEAF—High Explosive Application Facility

**HEART—hardened electronics and radiation
technology**

**HECTR—hydrogen event containment
transient response**

HED—high energy density

**HEDI—high endoatmospheric defense
interceptor**

**HEDL—Hanford Engineering Development
Laboratory (Washington)**

HEED—high energy electron diffraction

HEEF—a boundary element solution

HEGF—high energy gas fracturing

HEL—Human Engineering Laboratory

**HELIA—high energy line induction
accelerator**

**HELIOS—computer analytic code in heliostat
technology**

HELP—high energy laser program

**HEM—homogeneous equilibrium model
(computers)**

HEMP—high altitude electromagnetic pulse

HEP—human error probability

**HEPA—high efficiency particulate air (or
aerosol) (filter)**

HERC—heavy equipment remote control

HERL—Health Effects Research Laboratory

HERMES—high energy radiation megavolt electron source

HERO—hazards of electromagnetic radiation to ordnance

HETT—high explosive transit time

HEU—highly enriched uranium

HEW—health, education, and welfare

hex—1. hexagonal 2. Hexadecimal

HF—1. high frequency 2. hydrogen fluoride

HFA—human factors analysis

HFC—fluorinated hydrocarbon

hfd—high frequency direction finder

HFIR—high flux isotope reactor

hfs—hyperfine structure

HFS—Human Factors Society

HFSE—high frequency seismic element

Hg—mercury (chemical element)

H-gear—handling gear

HGU—hand geometry unit

HGV—hypersonic glide vehicle

HHC—high heat capacity

HHFCDP—high heat flux component development program

HIACA—high intensity, adjustable cobalt array

HIDS—highly integrated detonation system

HIP—1. hazard identification process
2. howitzer improvement program

HIPO—high (incident) potential

HIPORS—high power radiation source

hi-pot—high potential

HIPPI—high performance parallel interface

HIRA—hazard identification and risk assessment

HIRAC—hazards identification, recording, and correction (system) (Sandia/CA)

HIRCIS—high resolution capacitive imaging sensor

HIS—Honeywell information system

HISAC—high speed airdrop container (system)

HITAF—high temperature advanced furnace (DOE)

HIT-SAR—Highway Transportation—Safety Analysis Report

HITEC—Hispanic (and American Indian) Technical Education Center

HIV—human immunodeficiency virus

HJ—Honest John (missile)

HK—Hefner candle (optics)

HLFM—high level flux monitor

HLG—High Level Group (NATO Nuclear Issues Group)

HLGPT—high level general-process trash

HLLW—high level liquid waste

HLOC—Hispanic Leadership and Outreach Committee

HLOS—horizontal line of sight

HLW—high level waste

HM—1. hazardous material 2. health monitoring

HMC—1. hybrid microcircuit 2. HazMat (On-Scene) Commander

HMEA—hazard mode and effect analysis

HML—hard mobile launcher

HMMWV—high mobility multipurpose wheeled vehicle

HMO—Health Maintenance Organization

HMPE—high modulus polyethylene

HMS—hazardous materials storage

HMT—1. hazardous materials transportation 2. hazardous materials table

HMTA—Hazardous Materials Transportation Act

HMX—high melting explosive

H&N—Holmes and Narver, Inc.

HNAB—hexanitroazobenzene (explosive)

HNL—Holified National Laboratory

HNS—hexanitrostilbene (explosive)

Ho—holmium (chemical symbol)

HOB—height of burst

HOC—halogenated organic compound

HOE—homing overlay experiment

HOFS—hybrid optical firing set

HOIS—hostile intelligence service

HOM—homology

HOMOT—hands on/minds on technology (see MANOS)

HOP—high oxygen pressure

HOPE—hypothetical overpower excursion (computers)

Horizon—automated client-server library system that replaces DOBIS. Horizon serves as the library's on-line catalog.

HOTPI—hydrodynamics or two-phase internal mixture (computers)

hp—horsepower

HP—1. health physics (or physicist) 2. Hewlett-Packard 3. high pressure 4. high performance

HPAR—health physics anomaly reporting

HPCC—high performance computing and communication

HPD—1. Health Protection Division (DOE) 2. hearing protection device

HPFL—High Performance Fuel Laboratory

HPI—hazard potential index

HPLC—high performance liquid chromatography

HPM—high power microwave

HPOF—high pressure oil-filled

HPPP—high pressure pump pad

HPRF—high power radio frequency

HPRS—high pressure recirculation system

HPSS—high performance storage system

HPT—high potential tester

H, P, T, & E—hand, power, thermal, and explosives (attack tools)

HQ—headquarters

HQDA—Headquarters, Department of the Army

HQSAC—Headquarters Strategic Air Command

hr or h—hour

HR—1. human resources 2. heavy replica

HRA—1. health risk appraisal 2. high radiation area

HR/AR—high reflectance/antireflectance

HPOF—high pressure oil-filled

HRCQ—highway route controlled quantity

**HRD—1. human resources development
2. heavy replica decay**

HRIS—human resources information system

**HRM—1. health risk management
2. Hoisting and Rigging Manual (DOE)**

HRS—1. heat rejection system 2. hazard ranking system

HRTEM—high resolution transmission electron microscopy

HS—hydrogen sulfide

**HSB—Human Studies Board (SNL)
(frequently called Institutional Review Board)**

HSE—Health, Safety, and Environment Division (DOE)

HSL—hue, saturation, lightness

H&SM—Health and Safety Manual (DOE)

HSMCDR—high speed multichannel data recorder

HSP—Health and Safety Plan

HSR—helical screw rheometer

HSS—hazard separation system

HSST—house science, space, and technology

HSTF—Heated Screen Test Facility

HSWA—Hazardous and Solid Waste Amendment

ht—height

HT—1. high temperature 2. tritium

HTA—high temperature alarm

HTC—heat transfer coefficient

HTGC—high temperature gas cleanup

HTGR—high temperature, gas-cooled reactor

HTIR—high temperature insulation resistance

HTK—hard to kill

HTLD—High Technology Light Division (Ft. Lewis)

HTML—A set of language codes that enable documents to use hypertext, images, sound, and video.

HTO—1. tritium water 2. tritium oxides

HTRB—high temperature reverse bias

**HTS—1. high temperature superconductor
2. hyperchannel terminal server**

HTTT—high temperature turbine technology

HUD—Department of Housing and Urban Development (US)

HUMINT—human intelligence

hv or HV—high voltage

HVA—high velocity accelerator

HVAC—heating, venting, and cooling

HVB—high voltage breakdown

HVL—hypervelocity launcher

HVP—hypervelocity projectile

HVPS—high voltage power supply

HVR—high voltage ratio

HVTS—head and video transmission subsystem

H/W—hazardous waste

HWC—hardware component

HWCI—hardware configuration team

HWG—hydrodynamic group

HWMF—Hazardous Waste Management Facility

HWR—heavy water reactor

HWS—Hartmann wavefront sensing

HWT—hypersonic wind tunnel

HX—heat exchanger

HYDAC—1. hybrid dynamic (material) control 2. hybrid digital-to-analog converter

Hz—hertz (unit of frequency; also known as cycles per second)

Hz/s—hertz (or cycles) per second

I

IA—1. implosion assembled 2. interface adapter 3. independent assessment 4. incident action 5. instrument air

IABTI—International Association of Bomb Technicians and Investigators

IAC—image analysis chip

IACMAG—International Association for Computer Methods and Advances in Geomechanics

IACRO—interagency cost reimbursement order

IACS—International Annealed Copper Standard

IACSE—Interagency Advisory Committee on Security Equipment

IADS—igloo access denial system (This system has evolved into the weapon access delay system: WADS.)

IAEA—International Atomic Energy Agency (Vienna, Austria)

IAEP—International Assessment of Educational Progress

IAG—interagency agreement

IAI—1. Israel Aircraft Industries 2. International Association for Identification

IAM—International Association of Machinists (SNL/CA)

IANUS—integrated analysis of nuclear systems (computers)

**IAS—1. Institute of Aerospace Sciences
2. item accounting system**

**IASTED—International Association of Science
and Technology for Development**

IATA—International Air Traffic Association

IAW—in accordance with

IBEST—ion beam surface treatment

ibid.—ibidem (in the same place)

**IBM—1. intermediate-range ballistic missile
(see IRBM) 2. International Business
Machines, Inc.**

**IC—1. integrated circuit (or chip)
2. inductance capacitance 3. intracloud
4. integrated con-tractor 5. internal
combustion 6. Incident Commander
7. isolation condenser**

I/C—injector/combustor

I&C—instrumentation and control

ICA—item-controlled area

**ICAO—International Civil Aviation
Organization**

**ICADS—integrated correlation and display
system**

**ICB—1. interconnecting box 2. interface
control board**

ICBM—intercontinental ballistic missile

ICCB—interconnecting cable and control box

ICCD—intensified charge-coupled device

**ICCTT—International Consultative
Committee for Telephone and Telegraph**

ICD—interface control document (or drawing)

**ICE—1. internal combustion engine
2. intelligence computing environment
3. interactive concurrent engineering
4. interactive collaborative environment
5. In-circuit emulator**

**ICECO—Implicit Continuous Eulerian
Containment Code (computers)**

ICECO-H—ICECO hydrodynamic

ICECO-HT—ICECO heat transfer

ICEPEL—ICECO piping and elbow (analysis)

**ICF—1. insurance continuance fund
2. inertial confinement fusion**

**ICFAX—integrated circuit failure analysis
expert (system)**

ICFM—in-core fuel management

ICM—interim corrective measure

**ICMG—intelligence community modeling
group**

ICN—interim change notice

**ICO/FAO—integrated contractor order and
federal agency order**

**ICP-MS—inductively coupled plasma mass
spectrometry**

**ICPN—integrated combat procedures
(nuclear)**

ICPP—Idaho Chemical Processing Plant

**ICRU—international commission on
radiological units (and measurements)**

**ICRP—International Council on Radiation
Protection**

**ICS—1. intermittent control system
2. Intelligence Center School (Army)**

3. integrated contractor system
4. inventory control system 5. incident command system

ICT—1. International Critical Tables
2. inter-case transfer 3. interface control team

ICU—1. interconnecting unit 2. interface control unit 3. integrated control unit

ICV—1. inner containment vessel
2. intimate container vault

icw—interrupted continuous wave (e.g., Morse code)

ID—1. inside diameter 2. identification
3. image dissector 4. integrate demonstration (site) 5. Idaho Operations Office (DOE)

IDA—1. intrusion detection alarm
2. Institute for Defense Analysis

IDAS—integrated data acquisition system

IDB—integrated database

IDD—integrated data denial (decryption)

IDE—1. intrusion detection equipment
2. interactive development environment

IDEA—integrated development environment and assistance (or assistant)

IDL—1. interactive data language 2. interdisciplinary laboratory

IDLH—imminent danger to life or health

IDMM—integrating digital multimeter (computerized measurement)

IDO—internal distribution only

IDP—1. integrated data processing
2. intrusion detection process

IDR—1. intermediate distribution room
2. Internet Domain Routing

IDS—1. integrated diagram system
2. information display system 3. intrusion detection system

IDSN—integrated digital services network

IDST—intrusion detection system technology

IDU—interface demonstration unit

i.e.—id est (that is)

IE—1. inspection and enforcement
2. industrial engineering

I&E—inspection and evaluation (protects DOE assets)

IEA—International Energy Agency

IEC—International Electrochemical Commission

IECE—intersociety energy conversion engineering

IED—1. individual effectiveness development
2. improvised explosive device

IED/PEP—individual effectiveness development and performance enrichment program

IEDS—improvised explosive device sterilizer

IEEE—Institute of Electrical and Electronics Engineers, Inc.

IEG—independent evaluation group

IEIT—integrated engineering information technology

IEMATS—improved emergency message automatic transmission system

IEMP—internal electromagnetic pulse

IER—1. information engineering release

2. internal engineering release

**IES—1. Illuminating Engineering Society
2. Integrated Enabling Services**

IESCS—internal (or integrated)/external security and C² systems

if or IF—intermediate frequency

IFA—ionization front accelerator

IFC—in-flight control

IFD—in-flight-disconnect (connector)

IFE—in-flight extraction

IFF—identification, friend or foe

IFI—1. in-flight insertion 2. inspector follow-up item

**IFM—1. interface memorandum
2. interfacial force microscope**

IFR—ion-focused regime

IFRF—International Flame Research Foundation

IFRL—International Flame Research Foundation

IFRS—intelligent facial recognition system

IFS—integrated file system

IFSAR—interferometric synthetic aperture radar

IFV—infantry fighting vehicle

**IG—1. inertia guard (sensor)
2. interconnecting group 3. Inspector General**

IGB—inner-German border

**IGES—1. initial graphic exchange standard
2. initial graphics exchange specification**

3. interactive graphics exchange system

IGFM—internal gamma flux monitor

IGR—impulse graphite reactor

IGS—1. interior guard station 2. IONDS global segment

IGUA—International Guards Union of America (obsolete; now Independent Security Police Association)

IGZ—indicated ground zero

**IH—1. industrial hygiene 2. inert head
3. inner housing**

IHD—in-house dissertation

IHE—insensitive high explosive (see CHE)

IHEM—In-house Energy Management (WIPP)

IHG—in-house general (software)

IHP—in-house preparation

IHS—1. isotopic heat source 2. in-house special (software)

IHTS—intermediate heat transport system

IHX—intermediate heat exchanger

IIE—Institute of International Education

IIF—interest income fund

**IIR—1. interim IEMATS replacement
2. Infinite (length) impulse responses**

IIS—interagency information study

ILAB—inter-laboratory advisory board

ILC—Individualized Learning Center

ILF—infra-low frequency

ILH—imploding linear hohlraum

ILLW—intermediate-level liquid waste

ILRT—integrated leak rate test

ILS—integrated logistics support

ILSP—integrated logistics support plan

ILT—inter-line transfer

ILW—intermediate-level liquid waste

Im—imaginary

IMDI—integrated manufacturing design initiative

IMETS—integrated meteorological system

**IMF—1. Improved Message Facility
2. Integrated Maintenance Facility
3. Intermediate Maintenance Facility**

IMFWG—interagency metal forming working group

IMO—International Maritime Organization

IMOG—1. interagency manufacturing operations group 2. interagency mechanical operations group

**IMP—1. intelligent mobile platform
2. integrated mission processing**

IM-PMT—information management/ process management team

IMPRESSARIO—integrated multiple platform for remote-sensing simulation and real-time interactive operation

IMR—integrated management requirement

IMRL—Integrated Materials Research Laboratory

**IMS—1. intrusion monitoring system
2. ion mobility spectrometer (or spectrometry)
3. image management system 4. information management system**

IMTL—Integrated Manufacturing Technologies Laboratory

IMU—inertial measurement unit

in.—inch or inches

In—indium (chemical symbol)

IN—intelligence

I/N—inspection and maintenance

INAIGAP—indium aluminum gallium phosphide

INC—insertable nuclear component

IND—improvised nuclear device

INE—inertial navigation element (or equipment)

INEEL—Idaho National Engineering and Environmental Laboratory

INEPT—insensitive nucleus enhancement by polarization

INEWS—integrated electronic warfare system

inf—inferior

INF—intermediate-range nuclear force

INMM—Institute of Nuclear Materials Management

INOF—Integrated Nuclear Operations Facility

INPO—Institute of Nuclear Power Operations

InRad or INRAD—intrinsic radiation

in./s—inches per second (use ips for wire and tape speeds)

INS—1. inertial navigation system
2. Immigration and Naturalization Service

INSAR—integrated nuclear safety analysis report

INSI—initial nuclear safety (or surety) inspection

INSPEC—Information Services for Physics, Electronics, and Computing

INTELSAT—international consortium for communications satellites

INU—inertial navigation unit

IO—intelligence officer

I/O—input/output

IOC—initial operational capability

IOCD—initial operational capability date

IOCS—input/output control system

IOIS—input/output interface system

IOM—inert operational missile

IONDS—integrated operational NUDET detection system

IORV—inadvertently opened relief valve

IOS—1. Institute of Oceanographic Sciences
2. input/output subsystem

IOSAFS—integrated optical safety, arming, and firing system

IOU—International Octel Users

IP—1. integrated perimeter 2. initial production 3. integration project (or program)
4. interface processor

IPA—individual performance award

IPARS—integrated procurement/accounts (payable and) receiving system

IPB—illustrated parts breakdown

IPC—interprocess communication

IPD—implementation phase document

IPDP—individual personnel development plan

IPE—individual plant examination

IPF—image processing function

IPG—interproject group

IPL—Information Processing Language (computers)

IPlan—Implementation Plan

IPM—integrated pest management

IPP—industrial partnership (or partnering) program

IPPPS—integrated perimeter physical protection system

IPR—1. in process of review 2. impulse response

ips—inches per second (used for wire and tape speeds) (see in./s)

IPS—1. information procurement system
2. integrated procurement system

IPS/E—integrated procurement system/extended

IPS/R—integrated procurement system/replacement

IPST—initial production systems test

IQA—Independent Quality Assessment

Ir—iridium (chemical symbol)

IR—1. infrared radiation 2. insulation resistance

IRI—industrial risk insurer

**IRA—1. impact ratio analysis
2. International Research Association**

IRBM—intermediate-range ballistic missile (often called IBM)

IRBS—intermediate-range booster system

IRC—inspection record card

**IR&D—1. industry research and development
2. internal research and development**

IRE—Institute of Radio Engineers

IREP—Integrated Reliability Evaluation Program

IRIG—inter-range instrumentation group

**IRIS—1. infrared intrusion sensor
2. intelligent robotics inspection system
3. imaging radicals intersecting with surfaces
4. Incorporated Research Institutions for Seismology 5. integrated risk information system**

**IRM—1. isothermal remanent magnetization
2. information resources management
3. interim remedial measure**

IRMA—IR modeling and analysis

IRMS—integrated resource management system (obsolete, now integrated services management system)

IRN—internal restricted network (obsolete now SRN)

IROE—intelligent robot operating environment

IRQ—interrupt request

IRRV—intermediate-range reentry vehicle

IRS—interim recovery system

IRSSY—infrared signature system

IRT—inactive record transfer

IRU—item reporting units

IRV—interim reentry vehicle (parachutes)

IR/V/UV—infrared/visible/ultraviolet

IS—1. information system 2. information service 3. inactive stockpile

I/S—inflation/spin-up

**ISA—1. International Security Affairs
2. Inter-national Standard Atmosphere
3. inertial sensor assembly 4. industry standard architecture 5. interservice support agreement 6. Instrument Society of America**

ISAAC—in-hours stand-alone computer course

ISAS—integrated small artillery synthesis

ISAT—information systems advance team

ISB—independent sideband (modulation)

ISC—1. Instrument Sector Committee (sub-division of ANMC) 2. integrated systems checkout

**ISD—1. interface sequence document
2. instructional systems design**

ISDN—integrated services digital network

**ISE—1. ideas in science and electronics
2. ion selective electrode**

ISEC—insider (or internal) security

ISEM—insider safeguards effectiveness model

ISFSI—independent spent-fuel storage installation

ISHM—International Society for Hybrid Microcircuits

ISHTE—in-situ heat-transfer experiment

ISI—1. Internal Systems, Inc. 2. Integral Systems, Inc. 3. Institute for Scientific Information 4. in-service inspection

ISIMU—ISHTE simulation

ISIS—1. integrated storm information system 2. integrated security information system

ISIT—intensified silicon intensified target

ISLR—integrated sidelobe ratio

ISLS—intent stronglink switch

ISN—internal secure network (SNL)

ISMS—Integrated Safety Management System

ISO—1. International Standards Organization 2. International Security Operations

ISO OSI—ISO open systems interconnect

ISOSHLD—isotope shielding calculations (computers)

ISP—1. integrated simulator program 2. Inter-national Security Policy

ISPA—Independent Security Police Association (formerly International Guards Union of America)

ISPO—International Safeguards Project Office

ISR—1. interrupt service routine 2. International Survey Research (Corporation)

IS&RC—Intelligent Systems and Robotics Center

ISS—integrated security system

ISSM—Integrated Safeguards and Security Management

ISSN—international standard serial number

ISSW—International Symposium on Shockwaves

IST—1. integrated simulated testing 2. infrared search and track 3. in-situ treatment 4. in-service testing

ISTEA—Intermodal Surface Transportation Efficiency Act

ISTM—International Society for Testing Materials

ISTV—intra-site support transport vehicle

ISV—1. in-situ vane 2. in-situ vitrification

ISVP—individual small value purchase

IT—Italy

I&T—integration and testing

ITA—independent technical assessment

ITAG—inertial terrain-aided guidance

ITAR—international traffic in arms regulations

ITC—1. International Training Course 2. Integrated Textile Complex

ITER—International Thermonuclear Experimental Reactor

ITI—1. ion track instrument 2. incoming test and inspection

ITIS—integrated technical information system

ITL—intent to launch

ITMS—ion trap mass spectrometer

ITOSS—intent trajectory operated signal source

ITP—international technology program

ITR—information technology resources

ITRI—Inhalation Toxicology Research Institute (SNL)

ITS—Integrated Tiger Series

ITU—International Telecommunications Union

**ITV—1. improved tow vehicle
2. instructional television**

ITW&A—integrated tactical warning and assessment

ITW/AA—integrated tactical warning/attack assessment

IUO—insulated uranium oxide

IUQS—intent unique signal

IV—independent verification

IVAF—independent vulnerability assessment facility

IVAN—independent vulnerability analysis

IVHS—intelligent vehicle highway system

IVR—interactive voice response

IVSN—initial voice switched network (NATO)

IV&V—independent validation and verification

IWDR—interim weapon development report

IWG—interface working group

IWRP—industrial waste reduction program

IX—ion exchange

J

J—joule (work, energy, quantity of heat)

JA—job assignment

JAAF—Joint Action Armed Forces

JAAAN—Joint Action of the Army and Navy

JAC—Joint Apprenticeship Committee (or Council)

JAD—Joint Application Design

JAEIC—Joint Atomic Energy Intelligence Committee

JAERI—Japanese Atomic Energy Research Institute

JAIEG—Joint Atomic Information Exchange Group (US/UK)

JANNAF—Joint Army, Navy, NASA, Air Force

JANUS—name of the Nd glass laser system

JAST—Joint Advanced Strike Technology

JAWS—just another weld simulator

JAWTIG—Joint Atomic Weapon Technical Information Group

JB—junction box

JBFSAW—Joint Board on Future Storage of Atomic Weapons

JCFM—Joint Chiefs of Staff Memorandum

JCL—control language commands for controlling job flow

JCMPO—Joint Cruise Missile Project Office

JCO—justification for continued operation

JCS—Joint Chiefs of Staff (DoD)

JCSAN—JCS alerting network

jet—junction

J/deg—joule per degree

JDL—Joint Directors of Laboratories (DOE)

JDSSC—Joint Data Services Support Center

JEAC—Joint Electric Armaments Committee

JEDEC—Joint Electron Device Engineering Council

JEEP—Joint Emergency Evaluation Plan

JERI—Japan (Atomic) Energy Research Institute

JET—Joint European Tours

JEWC—Joint Electronic Warfare Center

JFET—junction field-effect transistor

JFSC—Joint Firearms Safety Committee

JFTP—Joint Flight Test Plan

JI—Johnston Island

JIC—junction-isolated integrated circuit

JINMM—Journal of the Institute of Nuclear Materials Management

JINTACCS—Joint Interoperability for Tactical Command and Control Systems

JIT—1. joint interface test 2. Just-in-Time (purchasing system)

JITF—Joint Interface Task Force

J/K—joule per kelvin

JMH—Joint Mission Hardware

JNACC—Joint Nuclear Accident Coordinating Center

JNWPS—Joint Nuclear Weapons Publication System

JOCG—Joint Ordnance Commanders Group

JOM—Journal of Minerals

JON—judgment of needs

JOPES—Joint Operation Planning and Execution System

JOR—Joint Operational Requirement

JOSS—Johnniac open shop system (computers)

JOTS—Joint operational telephone system

JOVIAL—Jules (Schwartz) Version of the Inter-national Algorithmic Language (computers)

JOWOG—Joint Working Group (US/UK bilateral defense agreement)

JPL—Jet Propulsion Laboratory

JPMO—Joint Program Management Office

JPO—Joint Program Office

JPT—Journal of Petroleum Technology

JRADS—Joint response assessment data system

**JRC—1. Joint Reconnaissance Center
2. Joint Research Center (Ispira, Italy)**

JRERE—Journal of Radiation Effects, Research and Engineering

JRMB—Joint Requirements and Management Board (formerly DSARC)

JRSC—jam-resistant secure communications

JRSWG—Joint Reentry Systems Working Group Agreement (US/UK)

JSA—job safety analysis

J-SIDDS—Joint Services interior intrusion detection system

JSP—jacketed soft point

JSR—jump to subroutine

JSSIN—Joint staff system information network

JSSIS—Joint staff support information system

JSSP—Joint stockpile sampling program

JSTPS—Joint strategic target planning staff

JTA—Joint test assembly

JTACMS—Joint tactical missile system

JTAG—Joint test action group

JTC3A—Joint Tactical Command, Control, and Communications Agency

JTF—Joint task force

JTFC—Joint Tactical Fusion Center

JTG—joint task group

JTIDS—Joint tactical information distribution system

JTPR—Joint technology panel for robotics

JTS—Joint test subassembly

JTSMG—Joint theatre surety management group

JTU—Joint test unit

JTWG—Joint test working group

JVE—Joint verification experiment

JWG—Joint working group

K

k—kilo (prefix indicating 10³)

K—1. kelvin (thermodynamic temperature; since 1967 the degree symbol has been discontinued with K)

2. kayser (unit of reciprocal length, known as rydberg) 3. thousands: e.g., \$10K = \$10,000

4. kilobyte (sometimes written kbyte or KB)

kA—kiloampere

KAFB—Kirtland Air Force Base (NM)

KAO—Kirtland Area Office (DOE)

KAVE—K-nearest neighbor average

kb—kilobar (also kbar); kilobit

KB—kilobyte (see kbyte)

Kbar—kilo bar

kb/s or kbps—kilobits per second

kbyte—kilobyte (see **K** or **kbyte**)

kc—kilocycle (obsolete; use **kHz** instead)

KC or KCP—Kansas City Plant (see **BKC** or **AS/KCD**)

KC³—Kirtland Community Coordinating Council

kcal—kilocalorie (also known as kilogram-calorie, **kg-cal**)

KCAO—Kansas City Area Office (DOE)

KCAS—knots calibrated airspeed

KCD—Kansas City Division of the Allied Signal Aerospace Corporation (also see **AS/KCD** and **BKC**)

kCi—kilocurie

kc/mol—kilocalories per mole

kc/s—kilocycle per second (use **Hz** instead)

KE—kinetic energy

ker—kernel

keV—kilo electron volt

KEW—kinetic energy weapon

KF—key finding

kft—kilofeet (SI units preferred)

kg—kilogram

kG—kilogauss

KGB—Soviet Ministry of State Security (translation)

kg cal—kilogram-calorie (see also **kcal**)

kgf—kilogram force

kgm—kilogram-meter

Kg-m²—kilogram-meter squared

KH—reconnaissance satellite series designator

kHz—kilohertz

KI—stress intensity factor for Mode I crack opening (see **KIc**)

KIAS—knots indicated airspeed

KIc—critical stress intensity factor for Mode I crack opening (see **KI**)

kin—kinetic

kip—kilopound

kJ—kilojoule

KKR—Korringa-Kohn-Rostoker

kL—kiloliter

kLD—thousands of level detectors

km—kilometer

km/h—kilometer per hour

KMR—Kwajalein Missile Range

KMS—KMS Fusion Inc.

km/s—kilometers per second

kn—knot (speed)

KN or kN—kilonewton

kNM—kilo nautical miles

kohm—kilo ohm

KOP—knowledge of process

KOR—knowledge of results

KP—known precedent

K&P—Koogle and Pouls (Engineering)

KPL—Key Personnel Locator

KPP—Knowledge Preservation Project

krad—kilorad

KREMS—Kierman reentry measurement system

Krf—krypton-fluoride

**KSC—1. Raman Sciences Corporation
2. Kennedy Space Center**

kt—kiloton

KTACS—Korean tactical air control system

KTAS—knots true airspeed

KTF—Kauai test facility (Hawaii)

KUMD—know, understand, manage, and document

KUMSC—Kirtland Underground Munitions Storage Center (or Complex)

kV—kilovolt

kVA—kilovolt ampere

kvar—kilovar

KVM—Kerr voltage monitor

kVp—kilovolt potential

kW—kilowatt

kWe—kilowatt of electrical energy

kWh—kilowatt hour

KWI—key word index

kWt—kilowatt of thermal energy

L

L—1. US symbol for liter. 2. lambert (unit of luminance) 3. loop 4. link (as in L1)

LA—limited area

LAEO—Los Alamos Area Office (DOE)

LAARC—lightweight, air-transportable, accident-resistant container

LABCOM—Laboratory Command (Army: Adelphi, MD)

LAC—lightning arrester connector

LACE—low (power) atmospheric compensation experiment

**LADAR—1. laser detection and ranging
2. laser radar**

LADD—low angle drogue delivery

LAFO—Los Alamos Field Office (DOE)

LAMP—Lagrangian measurement platform

LAMPF—Los Alamos Meson Physics Facility

LAN—local area network

LANCE—dual capable, short range missile (Army)

LANL—Los Alamos National Laboratory

LANTCOM—Atlantic Command

LANTIRN—low altitude navigation targeting infrared night

LAP—Livermore assessment program

LAPRADS—low altitude parachute retrorocket air-drop system

LARS—laser articulated robotic system

laser—light amplification by stimulated emission of radiation (originally an acronym, but now accepted as a word)

**LASS—1. laser spark spectroscopy
2. large area smoke system**

lat—latitude

LAT—1. lock and tumbler 2. local area terminal (or transport) 3. lot acceptance test

LATA—Los Alamos Technical Associates

LAV—light armored vehicle

LAW—light anti-tank weapon

LAZAP—laser application

lb—pound

lbf—pound force

lbf/ft—pound force per foot

lb/ft—pounds per foot

lb/ft²—pounds per square foot (see psf)

lb/ft³—pounds per cubic foot (sometimes written as pcf, but lb/ft³ is preferred)

lb/in.—pounds per inch

lb/in²—pounds per square inch (also psi)

lbm—pound mass

LBNL—Lawrence Berkeley National Laboratory

LBR—large breeder reactor

LBRV—large ballistic recovery vehicle

LBTS—land-based test site

LC—1. liquid chromatography 2. liquid crystal 3. load car 4. laser communication 5. labor costs 6. lethal concentration 7. locked closed

LCAC—landing craft air cushion

LCB—Laboratory Coordinating Board

LCC—1. lifecycle cost 2. Launch Control Center 3. launch control console

LCCA—leadless chip carrier assembly

LCD—1. local control and display 2. liquid crystal device (or display)

LCE—1. laboratory component evaluation 2. launch control error

LCF—latent cancer fatalities

LCG—launch control group

LCM—least common multiple

LCO—limiting condition of operations

LCP—Lifecycle Plan

LC-SC—1. launch control to security control 2. launch control security car

LCSS—lightweight camouflage screening system

LCT—laboratory component test

LCTF—lost circulation test facility

LCTP—laboratory component test program

LD—1. laser diode 2. lethal dose 3. laydown 4. logistics demonstration

L/D—1. link/diameter 2. Lift/drag 3. Level detector (unit)

LDA—lasar diode array

LDAS—laboratory document accountability system

LDI—1. (Bell) Laboratories design information 2. laser diode ignition

Ldn—equivalent day/night (sound level)

LDR—land disposal restriction

LDRD—Laboratory Directed Research and Development

LDS—laser dazzle sight

LDV—laser Doppler velocity

LDW—loss damage waiver

LE—1. low explosive 2. low exposure

LEAP—1. Livermore Employees Assistance Plan (or Program) 2. lightweight exoatmospheric projectile

LEBA—line source electron beam annealing

LECIVA—low-energy, charge-induced voltage alteration

LECS—liquid effluent control system

LED—light-emitting diode

LEE—logistical evaluation exercise

LEED—low-energy electron diffraction

LEF—laser-excited fluorescence

LEG—logistical evaluation group

LEGM—low energy gamma monitor

LEHR—Laboratory for Energy-related Health Research

LEL—lower explosive limit

LEMUF—limit of error on material unaccounted for

LEP—low-emissions partnership

LEPC—local emergency planning committee

LER—licensee event report

LERC—1. Lewis Research Center
2. Laramie Energy Research Center

LES—1. launch enable switch 2. loaded equipment section

LET—linear energy transfer

LETC—Laramie Energy Technology Center

LEU—low-enriched uranium

LEV—local exhaust ventilation

lf or LF—1. low frequency 2. live fire

LFBSR—linear feedback shift register

LFE—1. L-band front end 2. liquid field emission

LFL—lower flammable limit

LFR—live fire range

LGB—laser-guided bomb

LGVSS—light grid vault surveillance system

LH—labor hour

LHe—liquid helium

LHP—1. Lovelace Health Plan (NM)
2. leadless hermetic package

LHS—Latin hypercube sampling

LHX—light-helicopter experiment

LIC—low-intensity conflict

LICA—low-intensity cobalt array

LiD—lithium deuteride

LIDAR—light detection and ranging

LIF—laser-induced fluorescence

LIFE—analysis of in-pile fuel elements (computers)

LIFO—last-in, first-out

LIGA—a German acronym for lithography, electroplating, and molding

LiH—lithium hydride

LIHE—light-initiated high explosive

lim—limit

lim inf—limit inferior

lim sup—limit superior

lin—1. lineal 2. linear

linac—linear accelerator

LINC—Laboratory information network committee

LINK—Laboratory information network

LINPACK—a massively parallel benchmark problem

LIOCS—logical input/output control system (computers)

LIPS—laboratory integration and prioritization system (part of ISMS)

LIRB—lithium ion rechargeable battery

LIS—Laboratory information system

LISA—linear infrared scanning array

LISN—line impedance stabilization network

LISP—list processing (computers)

Li/Tc—lithium thionyl chloride

LIVA—light-induced voltage alteration

LIWG—line implementation working group

LJT—Long-Junior Trilock

LKKR—layered Kohn, Korringa, and Rostoker

ll—live load

LLA—1. launch loader adapter 2. lowest logical airfare

LLC—limited-life component

LLCE—limited-life component exchange

LLD—1. low level delivery 2. lower limit of detection

LLE—launch location error

LLGPT—low level general-process trash

LLL—1. low light level (optics) 2. low level logic (computers)

LLMW—low level mixed waste

LLNL—Lawrence Livermore National Laboratory

LLRW—low level radioactive waste

LLRWPA—Low Level Radioactive Waste Policy Act

LLT—Laboratory Leadership Team

LLTB—long life thermal battery

LLV-1—Lockheed Launch Vehicle

LLW—1. low level waste (nuclear waste technology) 2. leaky Lamb wave

lm—lumen (luminous flux)

LM—low melting

LMC—Lockheed-Martin Corporation

LMCS—loop multiplexer communication system

LMEAT—Line Managers' ES&H Action Team

LMF—1. Laboratory Microfusion Facility 2. Large-Scale Melt Facility 3. local monitoring facility

LMFBR—liquid metal fast breeder reactor

lm/ft²—lumens per square foot

lm/m²—lumens per square meter

LMMS—land mobile missile system

LMOS—loop maintenance operations system

LMR—1. limited message retriever 2. liquid metal reactor

lm-s—lumen second

LMSC—Lockheed Missile and Space Company (Sunnyvale, CA)

lm/W—lumens per watt

ln—logarithm (natural) (see log)

LNA—low noise amplifier

LNG—liquefied natural gas

LNP—loss of normal power

LO—1. local oscillator 2. low observable 3. locked open 4. limitation of obligations

LOA—leave of absence

LOB—1. line of business 2. launch operations building

LOC—1. limited operational capability 2. loss of communication 3. level of concern

LOCA—loss-of-coolant accident

LOCAAS—low-cost, anti-armor submunition

LOCAP—low capacitance (cable)

loc.cit.—loco citato (in the place cited)

LOCUSP—low-cost uncooled sensor prototype

LOCV—loss of condenser vacuum

LOD—letter of determination

LOE—level of effort

LOF—loss-of-flow (accident)

LOFAR—low frequency acquisition and ranging

LOFT—loss-of-fluid test

log—logarithm (common); see ln

LOGCAP—logistics and command assessment of projects

long—1. longitudinal 2. longitude

LOOP—loss of offsite power

LORAN—long-range navigation

LOS—line-of-sight

LOTA—loss of target accident

LOTO—lockout/tagout

LOTS—lightweight optical tracking system

LOV—letter of violation

LOW—launch on warning

LOX—liquid-oxygen explosive

LP—1. liquid propellant 2. linear programming

LPCVD—low-pressure chemical vapor deposition

LPE—liquid-phase epitaxy

LPF—low pass filter

LPG—1. liquified petroleum gas 2. liquid propellant gun

LPI—1. low probability of intercept 2. low pressure injection

LPLIF—laser-photoanalysis, laser-induced fluorescence

lpm—line pairs per millimeter

LPPP—low pressure pump pad

LPRS—low pressure recirculation system

LPRSX—low pressure recirculation system (heat) exchanger

LPR—laboratory process reengineering

LPS—laser plasma source

LPSO—Lead Principal Secretarial Office (DOE)

LPSS—line protection switching system

LPSW—low pressure service water

LPT—line printer

LQ—limited quantity

Lr—Lawrencium (chemical symbol)

LR—1. letter requirement 2. light replica

LRA—long-range aviation

LRAM—long-range attack missile

LRD—light replica decoy

LRF—laser resonant fluorescence

LRINF—long-range intermediate nuclear force

LRIP—low rate initial product

LRMDS—lightweight radar mine detector system

LRP—1. long-range plan 2. lightweight retractable pole

LRSP—long-range security plan (or program)

LRU—line replaceable unit (module)

LS—1. launch system 2. loaded salary 3. loop seal

L/s—liters per second (use ft³/min instead)

LSA—1. logistic support analysis 2. low specific activity

LSB—least-significant bit (computers)

LSC—1. linear-shaped charge 2. Life Safety Code (NFPA 101)

LSD—least-significant digit (computers)

LSE—liaison element

LSG—laboratory support group

LSI—large-scale integrated (circuit)

LSO—1. laser safety officer 2. Lovelace senior options

LSP—Lovelace Senior Plan

LSTC—Livermore Software Technology Corporation

LSTS—1. launch system test set 2. launch system test sequence

LSWD—large screen wall display

LT—laser tracker

LTA—less than adequate

LTC—limited try count

LTD—long-term disability

LTE—local thermodynamic equilibrium

LTG—Laboratory Task Group

LTGen.—Lieutenant General

LTH—lethality and target hardening

LTi—launch test inert

LTIV—launch test inert vehicle

LTPD—lot tolerance percent defective

LTPE—laboratory test program evaluation

LTRA—long term response action

LTSFF—limited-term staff

LTSPME—long-term savings plan for management employees

LTSSP—long-term savings and security plan

LTU—laboratory test unit

LTV—Ling-Temco-Vought

LUA—launch under attack

lub—least upper bound

LUG—local user's group

LUST—leaking underground storage tank

lux—the SI unit of illumination, equal to 1 lumen per square meter

LVC—load verification code

LVDT—linear variable displacement (or differential) transformer

LVPS—low voltage power supply

LVT—1. linear velocity transducer
2. landing vehicle tracked

LVTB—low voltage thermal battery

LWC—1. liquid water content (climatology) 2. lost workday case

LWG—logistic working group

LWIR—long wavelength infrared

LWIS—lightweight instrumentation system

LWR—light water reactor

LWRP—Livermore Water Reclamation Plant

lx—illuminance (use lux)

LY—low yield

M

μ—micro- (AIP still uses micron, which they list as μ. Many Sandia scientists also use micron in certain instances.)

μA—microampere

μAh—microampere hour

μC—microcoulomb

μF—microfarad

μg/m³—do not use μg/mcu

μJ—microjoule

μm—micrometer (formerly called micron; see μ- above)

μs—microsecond (do not use μsec)

m—meter

m- —milli (a prefix indicating 10⁻³)

M—1. millions (Use with dollar sign: \$14 M)
2. mole 3. molarity (chemistry)
4. mega (a prefix indicating 10⁹) 5. moment (magnitude) 6. molarity (chemistry)

M- --mega (prefix indicating 10⁶)

mW—milliohm

MW—megohm

mA—milliampere

MA—1. mega ampere 2. management associate (or aide) 3. military application
4. maintenance

M&A—maintenance and assembly (Army)

M.A.—Master of Arts

MAA—1. mission area analysis
2. material access area

M.AACS—MELCOR Accident Consequence Code System

MAAG—Military Assistance Advisory Group

MAB—Marine amphibious brigade

MABE—mega ampere beam experiment (accelerator)

MAC—1. material accountability computer
2. Military Airlift Command 3. modified auxiliary closure

MACCS—MELCOR accident consequence code system

MACS—1. multiple-application coded switch
2. multiple-application computer system

MACY—Military Assistance Command, Vietnam (US)

MAD—1. maintenance, assembly, and disassembly (atomic weapons) 2. magnetic anomaly detection

MADDS—machine-aided design definition system (computers)

MADM—medium atomic demolition munition

MADT—microalloy diffused transistor

MAF—1. Marine Amphibious Force
2. moisture ash free

mag—magnetic

MAGIC—manual-aided gaming of integrated combat (an electromagnetic particle-in-cell code)

MAGID—magnetic intrusion detector

MAGLEV—magnetic levitation (sometimes written as mag-lev)

MAGLOC—magnetic logic computer

MAGTF—Marine Air Ground Task Force

mAh—milliampere hour

**MAID—1. monitor adapter isolation device
2. magnetic anti-intrusion detector**

MAIT—matrix analysis of the inside threat

MAJCOM—Major Command

MAN—Management Assurance Notebook

**MANAR—modular adaptable network for
alarm reporting**

MANOP—Manganese Nodule Program

**MANOS—Spanish word for hands (Program
is designed to help Spanish speakers in science
and engineering.) See HOMOT—a similar
program for African Americans. Dream
Catcher is the American Indian program.**

MANTECH—Manufacturing Technology

**MAP—1. macroassembly program
(computers) 2. mass analysis of particulates 3.
Mitigation Action Plan**

**MAPS—1. modular azimuth positioning
system 2. multiple automated printing system**

**MAR—1. major article release 2. major
assembly release**

MARGE/SLUMP—fuel slumping (computers)

**MARRS—mobile autonomous robotics
research system**

MARS—module autonomous robotics system

**MARV—1. Miniature Autonomous Robotic
Vehicle 2. maneuverable reentry vehicle**

**MAS—1. material accountability system
2. multi-application surety 3. mine safety
appliances**

**MASC—1. manned automated security console
2. marine automated security console**

**MASER—microwave amplification by
stimulated emission of radiation**

**MASP—mobile automatic scanning
photometer**

MASS—modular advance search system

**MaST—maneuvering systems technology (or
test) (sometimes written as MST)**

**MAST—1. multiple application (sometimes
seen as multi-application) surety technology
2. multi-axis seam tracking**

MatResLib—material response library

MATV—master antenna television (system)

MAUS—mobile automated ultrasonic scanner

**MAVIS—modeling and analysis of valve
interactions (computers)**

MAW—medium assault weapon

**MAWP—maximum allowable working
pressure**

max—maximum

MAXH—maximum homogeneity

mb—millibar (sometimes written mbar)

Mb—megabit

MB—machine basin

MB or Mbyte—megabyte

**MBA—1. material balance accounting (or
area) 2. management, budget, and accounting
3. main battle area 4. Masters of Business
Administration**

MBB—modular building block

MBC—meteor burst communication

MBE—molecular beam epitaxy

MB/EE—Brazilian designator for a ballistic missile series

MBFR—mutual and balanced force reduction

MBN—Marine battalion

MBNQA—Malcolm Baldrige National Quality Award

MBO—management by objective

MBPS—megabits per second (use Mb/s)

Mb/s—megabits per second

MBS—modified bremsstrahlung

MBWA—managing by walking around

Mbyte—megabyte (see MB)

mC—microcoulomb

Mc—megacycle (obsolete; use MHz)

MC—1. major component 2. manual chapter 3. military characteristics 4. management controls

MCA—1. multichannel analyzer 2. maximum credible accident 3. material condition and aging

MC&A—material control and accountability (or accounting)

MCAAP—McAlester Army Ammunition Plant

MCC—1. missile combat crew 2. Micro-electronics and Computer Corporation

MCCS—1. multiple-code coded switch 2. mobile command and control system

MCCSS—multiple-code coded security switch

MCD—1. Mail Channel Directory 2. monitor control and display

M/CD—mental (health) chemical dependency

MCF—magnetic confinement fusion

mCi—millicurie

MCi—megacurie

MCL—1. maximum containment level 2. maximum contaminant level 3. maximum concentration limit

MCLG—maximum contaminant level goal

MCM—1. mine countermeasures 2. main control module 3. mission control module 4. manual control module 5. multichip module

MCP—1. microchannel plate 2. medical care plan 3. monolithic colliding pulse 4. mission check (word) processor 5. missile consent panel

MCR—medical clearance for respiratory (protection)

MCS—1. maintenance control system 2. maneuver control system 3. master control system

MCTL—militarily critical technologies list

MCU—multiplexer control units (computers)

md—median

mD—millidarcy (geology)

Md—mendelevium (chemical symbol; sometimes written as Mv)

M&D—maintenance and development

MDA—1. methylene dyaniline 2. minimum detectable activity (or amount)

**MDAC/OEC—McDonnell Douglas
Astronautics Company/Opto Electronics
Center**

MDD—Mission Data Directory

**MDE—manufacturing development
engineering (program)**

**MDF—1. mild detonating fuze 2. main
distribution frame**

MDI—methylene diisocyanate

**MDL—1. minimum detectable level
2. Microelectronics Development Laboratory**

MDM—microminiature D-shape metal

**MDMSC—McDonnell Douglas Missile
Systems Company**

MDR—mandatory dry run

**MDTD—minimum detectable temperature
difference**

MDTI—McDonnell Douglas Technologies, Inc.

MDU—munitions dummy unit

Me—mass of electrons

**MEAFSA—Middle East, Southern Asia and
Africa (South of the Sahara)**

meas—measure; measurement; measurable

**MEASIM—measurement simulation
(computers)**

**MEBES—manufacturing electron beam
exposure system**

**MEC—Microsystems Engineering
Corporation**

**MEIDS—1. militarized electronic information
delivery system 2. miniaturized electronic
information delivery system**

MEK—methylethylketone

**MEL—1. material on external loan
2. monitoring exposure level (or logic)
3. master equipment list**

MELCOR—computer code for the US NRC

**MELIOS—mini-eye-safe laser infrared
observation set**

**MELT—multiple-channel analysis of top
accidents (computers)**

MEMS—MicroElectroMechanical Systems

MEP—mobile electric power

**MEPS—multimedia environmental pollutant
(assessment) system**

MER—material evaluation reactor

**MERADCOM—Mobility Equipment Research
and Development Command (Fort Belvoir,
VA)**

**MERIT—mutual efforts to reduce industrial
toxins (EPA)**

MES—management evaluation sheet

**MESA—1. Microsystems and Engineering
Sciences Applications 2. Eulerian hydrocode
development at LANL (see CTH) 3. math,
engineering, and science achievement**

**MESFET—metal electrode semiconductor
field-effect transistor**

**MESH-HAZ—medical, environment, safety,
and health hazards**

**MESH-HP—medical, environment, safety, and
health/health physics**

MET—MCCS encryption translator

METADEX—metals (abstracts and alloys) index

METC—Morgantown Energy Technology Center

meV—millielectron volt

MeV—megaelectron volt

MEW—microwave early warning

mf or MF—medium frequency

mF—microfarad

MF—main fuel

MFC—multifuel combustor

**MFD—1. multi-functional display
2. military first destinations**

MFE—magnetic fusion energy

MFI—magnetic flashover inhibition

MFIS—mosaic filter image sensor

MFL—maximum foreseeable loss

MFLOPS—million floating point operations per second (computers)

MFM—magnetic force microscopy

mfp—mean free path

MFRFS—manufacturing facilities request for support

MFS—microwave fence sensor

MFW—main feedwater

MFWCS—main feedwater and condensate system

mg—milligram

MG—motor generator

MGA—monochrome graphic adapter

mgallon—million gallons

MGD—million gallons per day

MGH—mass, gravity, height

MGM—mobile-guided missile

MGS—1. missile guidance set 2. mobile ground system

mH—millihenry

MHB—medium-height burst

MH/CD—mental health/chemical dependency

mhd—magnetohydrodynamic

MHF—massive hydraulic fracturing

MHTGR—modular high-temperature gas reactor

mHz—millihertz

MHz—megahertz (use instead of megacycle)

mi—mile (statute)

MI—1. military intelligence 2. moments of inertia

M&I—Maintenance and Inspection (Air Force Facility)

MIAC—maintenance information and control

MIB—master interconnect board

MICD—mechanical interface control drawing

MICOM—Missile Command (Army)

MICSS—mobile integrated C³ and security system

MID—material identification document

MIDAS—1. management information and data access system 2. mobile intrusion detection and assessment system 3. mobile instrumentation and data acquisition system

MIDEP—mine detection energetic photons

MIDS—miniaturized intrusion detection system

MIFASS—Marine-integrated fire and air support system

mi/h or mph—miles per hour

MIP—management integration and implementation program (project or plan)

MIIT—materials interface interactions test

MIL—1. military 2. military (standard) (DoD)

MILCON—military construction

MILES—1. magnetic intrusion line sensor 2. multiple-integrated laser engagement system

millirem—see mrem

MILNET—military network

MILSPEC—military specification

MILSTAR—military strategic/tactical and relay

MILVAN—a standard military freight container

MIMD—multiple instruction, multiple data

MIMS—modular integrated monitoring system

min—1. minute 2. minimum

MINIMAGID—miniature magnetic intrusion detector

MINISID—miniaturized seismic intrusion detector

MinNet—minimization network (waste)

MINT—miniature instrumental nosetip test

MIP—material in process (formerly MUF: material unaccounted for)

MIPR—military interdepartmental procurement request

MIPS—MIVS image processing system

MIR—managing interpersonal relationships

MIRA—microwave infrared alarm

MIRED—microreciprocal degree

MIRSS—mobile individual resource security system

MIRV—multiple, independently (targetable) reentry vehicle

MIRVAL—mirror evaluation (computer program for heliostats)

MIS—1. metal-insulator semiconductor 2. management information services (or system)

misc—miscellaneous

MISER—minisensor relay (system)

MISR—1. modular industrial solar retrofit 2. multi-angle imaging spectroradiometer

MISS—modular intelligent sensor system

MIT—Massachusetts Institute of Technology

MITE—magnetically insulated transmission experiment

MITL—1. man-in-the-loop 2. magnetically insulated transmission line

MITMS—military/industry technical manual specification

MIU—missile interface unit

MIVS—modular integrated video system

mJ—millijoule

Mk or MK—Mark, a bomb designation; it is followed by a number: Mk 5 (Army uses: MK5)

Mkg—megakilogram (use Gg instead)

MKS or mks—meter-kilogram-second

mL—1. milliliter (also ml, but mL is preferred)
2. Millilambert

ML—maximum likelihood

MLC—1. Military Liaison Committee
2. monitor logic circuitry

MLRS—multiple-launch rocket system (Army)

MLS—1. member of the laboratory staff
2. multi-level secure

MLS/MIS—member of the laboratory staff who has experience or educational background in management information systems

MLST—member of laboratory staff trainee

MLT—1. munitions lift (or load) trailer
2. median lethal time

mm—millimeter

mM—millimole

MM—1. Minuteman (missile) 2. memory module 3. meets most

MMA—1. materials measurement and accounting

MMAD—mass median aerodynamic diameter

MMDC—master message display console

mmf—magnetomotive force

mmHg—millimeter of mercury, (also milliHg)

MMI—man-machine interface

MMIC—monolithic microwave integrated circuit

mmol—millimole

MMP—maintenance management program

MMRBM—mobile medium-range ballistic missile

MMS—1. maintenance management system
2. mission management system 3. munitions maintenance squadron

mmu—milli-mass unit

mmW—millimeter wave

Mn—manganese (chemical symbol)

MNCR—material non-conformance report

MNOS—metal-nitride-oxide semiconductor

MNR—mononitroresorcinate

mo—month

Mo—molybdenum (chemical symbol)

MO—move order

M&O—management and operations (or managing and operating)

MOA—memorandum of agreement

MOAC—Management Oversight Advisory Committee

MOAS—missile ordnance arm switch

MOB—main operating base

MoC/MOC/M of C—maintenance of capability

MOC—1. material operation computer
2. margin of control

MOCVD—metal-organic chemical vapor deposition

mod—1. modification 2. model

MOD—Ministry of Defense

Mod/Alt—modification/alteration (sometimes written mod/alt)

ModComp—trade name for Modular Computer Systems, Inc.

MODEM—modulator demodulator (computers)

MODFET—modulation-doped field-effect transistor

MODIL—Manufacturing Operations Development and Integration Laboratory

MOFFF—mixed-oxide fuel fabrication facility

Mohm—megaohm

MOI—1. moment of inertia 2. magneto-optic (eddy current) imager

mol—mole (often spelled out, but can be M)

mol %—mole percent

mol wt—molecular weight

MOLINK—Moscow to Washington (DC) direct line communication link

MOM—method of moments

MONAL—Mobile Nondestructive Assay Laboratory

MOPS—million operations per second

MORT—management oversight and risk tree (accident investigations)

MOS—1. metal-oxide semiconductor
2. metal-oxide silicon 3. military occupational specialty 4. maintenance, out of service

Mosaic—high-quality user interface to the web

MOSFET—metal-oxide-semiconductor, field-effect transistor

MOTION—analysis of head motion due to HCDA loads (computers)

MOU—memorandum of understanding

Mound—Monsanto Research Corporation, Mound Facility

MOV—1. metal oxide varistor 2. motor operated vehicle

MOVPE—metal organic vapor-phase epitaxy

MOX—mixed-oxide

mp—1. melting point 2. mean (effective) pressure 3. Multipulse

MP—1. Military Police 2. maintenance procedure 3. massively parallel 4. message processor

MPa—megapascal

MPAC—Microelectronics and Photonics Applications Center

MPC—maximum permissible concentration

MPCC—multifunction peripheral controller chip

MPD—maximum permissible dose

MPE—maximum permissible exposure (radiation)

MPG—1. midplate, midgyre 2. managing professional growth

mph or mi/h—miles per hour

MPI—multiphoton ionization

MPL—maximum possible loss

MPLS—multiphenomena line sensor

MPP—1. massively parallel processor 2. memory phrase pairs

MPR—material-penetrating radar

MPRSA—Marine Protection, Research, and Sanctuaries Act (1972)

MPU—1. microprocessor unit 2. Marx pulser unit

MQ—management qualifications

MQRC—Microelectronics Quality/ Reliability Center

MQW—multiple quantum well

mr or mrad—milliradian

mR—milliroentgen

MR—1. missile range 2. material requisition 3. military regions 4. mortality range

MRA—1. monetary recognition award 2. missile relay assembly 3. military research associate

mrad or mr—milliradian

Mrad—megarad

MRBM—medium-range ballistic missile

MRC—maintenance requirement card

MRD—Management Review Division (DOE)

mrem—millirem or milli-rem

MRG—multiple-range gates

MRI—magnetic resonance imaging

MRL—multi-purpose rotary launchers

MRO—1. memory read out 2. maintenance, repair, and operating 3. medical review officer

MRR—minimum residual radioactivity

MRS—1. material requisition schedule 2. material requirement schedule 3. microwave ranging system 4. Materials Research Society 5. monitored retrievable storage

MRST—management restructure study team

MRT—minimum resolvable temperature

MRTD—minimum resolvable temperature difference

MRV—maneuvering reentry vehicle

MRVT—multirate voice terminal

ms—millisecond (do not use msec)

m/s—meters per second

mS—millisiemens

MS—1. mass spectrometer (or spectrometry) 2. monitor and support 3. motion sensor 4. military service 5. medical services

MSA—1. mine safety appliances 2. major system acquisition

MSAD—1. mechanical safe and arm detonator 2. mechanical safe arming device

MSB—most significant bit (computers)

MSBR—molten-salt breeder reactor

MSC—Major Subordinate Command (NATO)

MSCA—multi-site cooperative agreement

MSCF—1. Master Surveillance and Control Facility 2. thousand standard cubic feet

MSCU—missile secure cryptographic unit

MSD—most significant digit (computers)

MSDS—material safety data sheet

MSE—1. multiple subscriber equipment 2. Mean-square error

MSEE—molten-salt electric experiment

MSG—Marine Security Guard

MSHA—Mine Safety and Health Administration

MSI—1. medium-scale integrated (circuit) 2. multiple sensor interface 3. multi-sensor imaging

msl or MSL—mean sea level

MSLB—main steam-line break

MSMJ—mechanically stacked, multijunction

MSP—marine sediment penetrometer

MSR—1. molten-salt reactor 2. maintenance service request 3. modular surveillance radar

MSRC—multicrystalline silicon research consortium

MSRV—medium single (targeted) reentry vehicle

MSS—1. mass storage system 2. multi-spectral scanner 3. mission support system

MSSA—master safeguards and security agreement

MSSTF—midtemperature solar systems test facility

MST—1. medium-scale technology 2. maneuvering systems test (or technology) (see MaST)

MSTA—materials sample test apparatus

MSTC—Maquila Sandia Technology Consortium

MSTRS—miniature spacecraft threat reporting system

MSX—midcourse sensors experiment

mt—metric ton

Mt—megaton (see kt)

MT—1. manufacturing technology 2. measured time

MTA—multi-threat analyzer

MTAC—Machine Tool Access Center

MTBCF—mean time between critical failure

MTBF—mean time between failures

MTBOMF—mean time between operational mission failures

MTC—Metal Trades Council (material handling and moving)

MTCC—Modular Tactical Communications Center

MTCR—Missile Technology Control Regime

MTE—measuring and test equipment

MTF—modulation transfer function

MTFPP—modular tactical force protection package

mtg—meeting

MTHM—metric tons heavy metal

**MTI—1. Mechanical Technology, Inc.
2. multispectral thermal imager
3. moving target indicator 4. maintenance team inspection**

MTL—master tester list

MTO—material transfer order

mTorr—millitorr

MTPM—mean time to perform (preventive) maintenance

MTR—mean time to restore

MTS—member of the technical staff

MTSAA—multidiscipline technical safety assurance appraisal

MTTF—mean time to failure

MTTFF—mean time to first failure

MTTR—mean time to repair

mtU—metric tons uranium

MU—1. monitoring unit 2. multiple unit

MUF—material unaccounted for (obsolete; now material in process: MIP)

MULE—modular universal laser equipment

MUMS—munitions maintenance squadron

MUNSS—munitions support squadron

MUSE—multidimensional user-oriented synthetic environment

**MUX—1. multiplexing equipment
2. multiplexer**

mV—millivolt

Mv—mendeleevium (chemical symbol) (Md is preferred)

MV—megavolt

MVPD—median volume pore diameter

MVS—multiple virtual storage

mW—milliwatt

**MW—1. megawatt (electrical)
2. microwave 3. mixed waster 4. missile warning 5. mine warfare**

MWd—megawatt-day

MWDS—missile warning display system

MWe—megawatt (electrical); use MW

MWLID—mixed-waste landfill integrated demonstration

MWMF—mixed waste management facility

MWO—modification (or maintenance) work order

MWR—morale, welfare, and recreation

MWRTS—millimeter wave radio telephone system

MWSA—Manzano weapons storage area

MWth—megawatt, thermal
MWX—Multiwell Experiment (DOE-sponsored Field Laboratory)
Mx—maxwell (a unit of magnetic flux)
MXB—a commercial name for modified phenolic, glass-fabric filled ammonia
MX—1. Peacekeeper ICBM 2. missile
MY—man-year
mya—myriare (10,000 acres)
myL—myrialiter
mym—myriameter
M/Z—mass-to-charge ratio
MZI—Mach-Zehnder interferometry

N

n—nano- (a prefix indicating 10^{-9})
n—neutron
N—1. newton (unit of force) 2. normal (chemistry) 3. nose
nA—nanoampere
NA—1. not available 2. not applicable 3. numerical aperture 4. network adapter
NAAMM—National Association of Architectural Metal Manufacturing
NAAQS—national ambient air quality standards
NAARP—national aging aircraft research program

NAB—National Association of Broadcasters
NACE—National Association of Corrosion Engineers
NACFE—National Association of Certified Fraud Examiners
NACOA—National Advisory Committee on Ocean and Atmosphere
NAD—nuclear accident dosimeter
NADC—Naval Air Development Center
NAEP—National Assessment of Educational Progress
NAFEMS—National Agency for Finite Element Methods and Standards
NAHAMMER—Sodium (Na) Fluid-HAMMER Analysis (computers)
NAL—National Aerospace Laboratory (Japanese)
NALAP—Sodium (Na) Version of ReLAP (computers)
NAND—not-AND (computer logic)
NAM—National Atomic Museum
NANS—Nuclear Agency, Nuclear Security
NAP—1. N AS aperture package 2. nuclear artillery projectile
NAPAP—National Acid Precipitation Assessment Program
NAPSAC—Naval Atomic Planning, Support, and Capabilities
NAR—nuisance alarm rate
NARA—National Archives and Records Administration

NARL—Naval Arctic Research Laboratory

NARM—naturally (occurring or) accelerator-produced radioactive materials

NARS—National Archives Records Service

NAS—1. NDS antenna system 2. Netview Access Services 3. nuclear assembly system 4. Naval Air Station 5. National Academy of Sciences

NASA—National Aeronautics and Space Administration

NASP—nuclear ammunition supply point

NATO—North Atlantic Treaty Organization

NATRAN—Sodium (Na) Transient Analysis (computers)

NAV—1. navigation 2. net asset value

NAVAIR—Naval Air Systems Command

NAVELEX—Navy Electronics Systems Command

NAVEODTECHCEN—Naval Explosive Ordnance Disposal Technology Center

NAVFORV—Naval Forces, Vietnam

NAVMAT—Naval Material

NAVSEA INST—Naval Sea Institute

NAVSWC—Naval Surface Weapons Center

NAWC—Naval Air Weapons (or Warfare) Center

nB—nanobarn

NBC—1. nuclear, biological, chemical 2. non-base compensation

NBBPVI—National Board of Boiler and Pressure Vessel Inspectors

NBDS—nuclear-burst detection system

NBL—New Brunswick Laboratory

NC—1. normally closed 2. numerically controlled 3. nitrocellulose 4. noise criterion 5. no contract

NC²—nuclear command and control

NCA—1. National Contingency Act 2. National Command Authority

NCAICM—National Center for Advanced Information Components Manufacturing

NCAM—National Center for Advanced Materials

NCAR—nonconformance action report (see NCR)

NCAW—neutralized current and waste

NCB—Nuclear Contingency Branch

NCC—Network Control Center

NCCLS—National Committee for Clinical Laboratory Standards

NCEM—National Center for Electron Microscopy

NCF—no containment failure

nCi—nanocurie (10⁻⁹ curies)

NCM—nonconforming material

NCMA—National Contract Management Association

NCMS—National Center for Manufacturing Sciences

NCO—noncommissioned officer

NCOSE—National Council on Systems Engineering

**NCP—1. National Contingency Plan
2. National (Oil and Hazardous Substances) Contingency Plan**

NcPTD—near-field physical theory of diffraction (code)

**NCR—1. nonconformance report (see NCAR)
2. no clearance required**

NCRP—National Council on Radiation Protection (and Measurement)

NCRW—neutralized cladding removal waste

NCS—1. neutron control 2. network computing system 3. national communications system

NC2SG—Nuclear Command and Control Steering Group

NCSS—Naval Coastal Systems Station

NCTTA—National Competitiveness Technology Transfer Act

NCURE—National Center for Ultra-Reliability Engineering

**ND—1. not determined 2. no date
3. neutral density**

NDB—nuclear depth bomb

NDE—nondestructive evaluation

NDEW—nuclear-driven (or directed) energy weapon

**NDI—1. nondevelopment item
2. nondestructive inspection**

NDA—non-disclosure agreement

NDP—nuclear detonation pathway

NDPC—National Disclosure Policy Committee

**NDR—1. NUDET detection report
2. Nuclear Defense Research (Corporation)**

NDRO—nondestructive readout (computers)

NDS—NUDET detection system (or nuclear detection system)

ND/SB—nuclear depth/strike bomb

NDT—nondestructive test (or testing)

NDTWG—Nevada Test Site Development and Transport Working Group

NE—nuclear energy

**NEA—1. Nuclear Energy Agency
2. nuclear explosive area (or assembly)**

NEACP—National Emergency Airborne Command Post

NEC—National Electrical Code

NECOSHA—National Electrical Code OSHA

NEDS—nonviolent explosive destruct system

NEE—noise equivalent emissivity

neg—negative

NEG—net energy gain

NEI—Nuclear Energy Institute

NELA—nuclear explosive-like assembly

NELIAC—Navy Electronics Laboratory International ALGOL Compilers (computers)

NELM—Naval Forces Eastern Atlantic and Mediterranean

NEMA—National Electrical Manufacturers Association

NEODTC—Naval Explosive Ordnance Disposal Technology Center

NEP—1. NAS electronics package 2. noise equivalent power 3. nuclear explosive package

NEPA—National Environment Policy Act

NEPB—NEST Executive Planning Board

NER—network equipment rack

NERP—National Environmental Research Park

NERVA—nuclear engine for rocket vehicles application

NES—1. nuclear explosive safety 2. National Energy Strategy

NESC—1. National Electric Safety Code 2. National Energy Software Center

NESD—Nuclear Explosive Safety Division (DOE)

NESEC—Naval Electronics Systems Engineering Center

NESHAP—national emission standards for hazardous air pollutants

NESS—nuclear explosive safety study

NESSG—nuclear explosives safety study group

NEST—nuclear emergency search team

NET—1. new equipment training 2. noise equivalent temperature

NETD—noise equivalent temperature difference

NETOG—nuclear explosive tester oversight group

NETS—National Emergency Telecommunications System

nf—noise factor

nF—nanofarad

NF—no foreign (distribution)

NFA—no further action

NFARS—NORAD forward automated reporting system

NFE—non-Federal entities

NFH—nonflammable hydraulic (fluid)

NFPA—1. National Fire Protection Act 2. National Fluid Power Association

NFPQT—nuclear facilities personal qualification and training

NFS—1. nuclear fuel services 2. network file system (computers)

NG—1. neutron generator 2. nitroglycerine

NGB—National Guard Bureau

n/gs—neutron per gram-second

NGS—NUDET ground station

nH—nanohenry

NH—Nike Hercules

NHL—next higher level

NHPA—National Historic Preservation Act

Ni—nickel (chemical symbol)

NIAM—Natural (Language) Information Analysis Methodology

NIBA—National Indian Business Association

Ni-Cad or nicad—nickel-cadmium

Ni-Cr-P—nickel-chromium-phosphorous

NIDM—NMCC information for decision makers

**NIDS—1. NMCS information display system
2. NATO intrusion detection system**

NIF—National Ignition Facility

NIFFTE—noncooperative, identify friend or foe technology evaluation

NIH—National Institute of Health

NIHL—noise-induced hearing loss

NII—National Information Infrastructure

NIIS—National Information Infrastructure Superhighway

NIIT—National Information Infrastructure Testbed

NIJ—National Institute of Justice

NIM—nuclear incident monitor

NIOSH—National Institute of Occupational Safety and Health

NIPDE—National Initiative for Product Data Exchange

NIS—New Independent States (former Soviet Republics)

NISC—Naval Intelligence Support Center

NISDN—NATO integrated services digital network

NISP—National Industrial Security Program

NIST—National Institute of Standards and Technology (or Testing)

NITF—national imagery transmission format

NKEW—nuclear kinetic energy weapon

NLO—Naval Liaison Organization

NLRA—National Labor Relations Act

NLRB—National Labor Relations Board

NLT—not later than

NLU—normal latch up

NLW—nonlethal weapon

NM—does not meet required performance

nm—nanometer

N/m²—newton per square meter

NûM—newton meter

NMAB—National Materials Advisory Board

NMAS—nuclear material accountability system

NMC—National Microelectronics Center (SNL)

NMCC—National Military Command Center

NMCI—National Military Intelligence Center

NMCS—National Military Command System

**NMED—1. New Mexico Environmental Department
2. New Mexico Educational Development**

NMEI—New Mexico Environmental Institute

**NMERI—1. New Mexico Energy Research Institute
2. New Mexico Engineering Research Institute**

NMFAC—New Mexico (site-wide) facilities (and maintenance)

NMFT—new materiel flight test

NMHRC—New Mexico Human Rights Commission

nmi—nautical mile

NMI—Nuclear Materials, Inc.

NMIS—1. nuclear material inspection and storage 2. nuclear material identification system

NMLT—new materiel laboratory test

NM MESA—New Mexico Mathematics Engineering Science Achievement

NMMS—nuclear material management system

NMMSS—nuclear materials management and safeguards system

NMOS—nitrous metal-oxide semiconductor

NMP—nuclear materials production

NMR—nuclear magnetic resonance

NMRDI—New Mexico Research and Development Institute

NMRO—Nuclear Monitoring Research Office

NMSAS—New Mexico (site-wide) security and safeguards

NMSEP—new material and stockpile evaluation plan

NMSPE—New Mexico Society of Professional Engineers

NMSS—Nuclear Material Safeguards and Security

NMST—new material system testing

NMSU—New Mexico State University

NMTP—National Mechanic Tool Partnership

NMUSTR—New Mexico Underground Storage Tank Regulations

NMVO—New Mexico Volunteers for the Outdoors

NMWQCCR—New Mexico Water Quality Control Commission Regulations

NNAPS—night navigation and pilot system

NNC—1. National Nuclear Center (Agency responsible for the nuclear facilities of the Republic of Kazakhstan) 2. Non-Nuclear Configuration (Complex)

NNF—National Nanofabrication Facility

NNK—nonnuclear kill

NNSA—National Nuclear Security Administration

NNT—nonnuclear testing

NNTRP—National Nuclear Test Readiness Program

NNWSI—Nevada Nuclear Waste Storage Investigation

No—nobelium (chemical symbol)

NO—1. normally open 2. nitric oxide

NOA—notice of availability

NOAA—National Oceanographic and Atmospheric Administration

NOAEL—non-observed adverse effect level

NOAM—nuclear ordnance Air Force materiel

NOCM—nuclear ordnance commodity management (or manager)

NOCSIM—nitrate-to-oxide conversion simulation (computer code)

NOD—notice of deficiency

NOF—NORAD Offutt

NOHSCP—National Oil and Hazardous Substances Contingency Plan

NOI—notice of intent

NOIWON—National operations and intelligence watch officer's network

nom—nominal

NON—notice of noncompliance

NONEL—nonelectric

NO OP—no operation (computers)

NOCM—nuclear ordnance commodity management (or manager)

NOP—1. nuclear operations policy
2. Nuclear Ordnance Platoon 3. normal operating procedure

NOR—not-OR (computer logic)

NORAD—North American Air Defense (Command)

NORC—nuclear ordnance record card

NORDA—Naval Ocean Research and Development Activity

NORESS—Norwegian Regional Seismic Station

NORM—naturally occurring radioactive material

NORSOC—Nevada Occurrence Reporting System Operations Office

NORTHAG—Northern Army Group (NATO)

NOS—1. network operating system
2. NATO Office of Security 3. Naval Ocean Systems 4. not otherwise specified

NOSC—Naval Ocean Systems Center

NOSO—nuclear ordnance supply officer

NOSS—nuclear ordnance shipping schedule

NOV—notice of violation

NOWR—nuclear ordnance war reserve

Np—1. neptunium (chemical symbol)
2. neper (logarithmic ratio)

NP—nonproliferation

NPAR—Nuclear Plant Aging Research (Program)

NPB—neutral particle beam

NPBW—neutral-particle-beam weapon

NPDES—national pollution (or pollutant) discharge elimination system

NPDWA—National Primary Drinking Water Act

NPES—nuclear planning and execution system

NPF—nuclear permission to fire

NPG—nuclear planning group

NPL—National Priorities List

NPN—negative-positive-negative

NPP—1. nuclear plot production
2. nuclear pilot production 3. nuclear power plants

NPR—1. new production reactor 2. Nuclear Posture Review

NPRDS—nuclear plan reliability data system

NPRM—Notice of Proposed Rulemaking

NPS—1. nuclear power system 2. nuclear power supplies

NPSS—Nuclear and Plasma Sciences Society

NPT—Nonproliferation Treaty; also, Treaty on Nonproliferation of Nuclear Weapons: TNNW

NPTF—nuclear permission to fire

NQAA—Nuclear Quality Assurance Agency

NQM—National Quality Month

**NRC—1. Nuclear Regulatory Commission
2. Newport Research Corporation
3. National Research Council 4. National Response Center 5. non-reusable container**

NRDA—natural resource damage assessment

NRDC—Natural Resources Defense Council

NREL—National Renewable Energy Laboratory

NRF—Naval Reactors Facility

NRHC—National Register of Historic Places

NRL—Naval Research Laboratory

**NRR—1. Nuclear Reactor Regulation
2. noise of reduction rating**

NRRSI—nonregular recurrent security inspector

NRS—NDS receiver subsystem

NRSA—Norwegian regional seismic array

NRT—national response team

NRV—nosetip recovery vehicle (parachutes)

NRZ—non-return to zero

ns—nanosecond (do not use nsec)

**NS—1. nuclear safety (or security)
2. nonsurvivable 3. nuclear systems**

**NSA—1. National Security Agency
2. Nuclear Security Agency**

**NSAC—1. National Security Activities Committee
2. National Security Advisory Committee
3. Nuclear Safety Analysis Center**

NSAFE—nuclear safety (evaluation)

**NSC—1. National Security Council
2. National Space Council 3. National Safety Council**

NSDD—National Security Decision Directive

**NSF—1. net square feet 2. National Science Foundation
3. National Strike Force**

**NSI—1. national security information
2. nuclear surety inspection**

NSIC—Nuclear Safety Information Center

**NSL—1. National Storage Laboratory
2. nuclear surety link**

NSLS—National Synchrotron Light Source

NSM—nuclear strike message

NSNF—nonstrategic nuclear force

NSO—network security officer

NSPE—National Society of Professional Engineers

NSPI—National Society for Performance and Instruction

NSPS—new source performance standards

NSRDC—Naval Ship Research and Development Center

**NSS—1. national stockpile site
2. National Seismic Station 3. nuclear safeguards and security**

NSSS—nuclear steam supply system

NSTEP—National Small-business Technology Exchange Program

NSTTF—National Solar Thermal Test Facility

NSU—negotiations support unit

NSWC—Naval Systems Weapons Center

NSWG—nuclear safety working group

NSWSES—Naval Ships Weapons Systems Engineering Station

NSZ—national sacrifice zone (Rocky Flats)

nt—nit (luminance)

NTA—nitiloriacetic acid

ntc—negative temperature coefficient

NTC—National Training Center (Fort Irwin, CA)

NTDS—Naval tactical data system

NTE—naval test and evaluation

NTI—national technology initiative

NTIK—nontechnical instrumentation kit

NTIS—national technical information service (or system)

NTM—national technical means

NTNCWS—non-transient, non- community water system

ntp—normal temperature and pressure

NTP—national transuranic (waste) program

NTPI—Navy Technical Proficiency Inspection

NTRB—Nuclear Technology Reference Book

NTS—Nevada Test Site

NTSB—National Transportation Safety Board

NTSC—1. National Television Standards (or System) Committee 2. National Transportation Systems Center

NTSO—Nevada Test Site Office

**NTU—1. nephelometric turbidity units
2. National Technological University**

NTUA—Navajo Tribal Utility Authority (Fort Defiance, Arizona)

NUC—nuclear

NUCSLU—nuclear station logic unit

NUCWA—nuclear weapons accounting (system)

NUDET—nuclear detonation (and detection)

NUFAC—Nuclear Facilities (Resource Center)

NUMARC—Nuclear Management Resources Council

NuPac—Nuclear Packaging, Inc.

NUREG—A number issued for an NRC document

NUSC—Naval Underwater Systems Center

NV—Nevada Operations Office (DOE)

NVA—North Vietnamese Army

NVD—1. nonviolent disablement 2. night-vision device

NVEOL—Night-Vision and ElectroOptical Laboratory

NVI—new ventures initiative

nW—nanowatt

NW—nuclear weapon

NWAI—nuclear weapons acceptance inspection

**NWC—1. Naval Weapons Center
2. Nuclear Weapons Complex 3. Nuclear Weapons Council**

NWCSSC—Nuclear Weapons Council Standing and Safety Committee

NWCT—nuclear weapons critical technologies

NWC/WSC—Nuclear Weapons Council/Weapons Safety Committee

NWD—1. nuclear weapon data 2. nuclear weapon design

NWDG—nuclear weapon development guidance

NWEF—Naval Weapons Evaluation Facility (Kirtland Air Force Base)

NWER—nuclear weapon effects research

NWET—nuclear weapon effects test

NWIU—nuclear weapon interface unit

NWLE—nuclear weapons liaison element

NWM—nuclear weapon (or warhead) management

NWMP—nuclear waste management program

NWP—nuclear weapon production

NWPA—Nuclear Waste Policy Act

NWRG—Nuclear Weapons Requirements Working Group

NWRP—nuclear weapons release procedures

NWRS—1. nuclear weapon response system 2. nuclear weapon requirement study

NWRT—nuclear waste repository technology

NWSB—Nuclear Warfare Status Branch

NWSM—Nuclear Weapons Stockpile Memorandum

**NWSS—1. nuclear weapon subsystem
2. nuclear weapon system safety**

NWSSG—nuclear weapon systems safety group

NWSSTG—nuclear weapon subsystem test group

NWSSTP—nuclear weapon subsystem test plan

NWTI—nuclear weapons technical inspection

NWTS—nuclear waste terminal storage

NWTSHEG—nuclear weapon transportation safety hazard evaluation group

O

Ω—ohm

O—oxygen (chemical symbol)

OA—office automation

OAA—office administrative assistant

OAC—Office of Arms Control

OACNP—Office of Arms Control and Non-Proliferation (Systems)

**OAD—1. ordnance available date
2. operational availability date**

OADR—originating agency’s determination (is) required

OALD—off-axis laser detection

OAP—Optical Aging Products (an optical measuring system)

OAR—operation assessment and readiness

**OAS—1. Office Automation Subcommittee
2. offensive avionics system**

OASDC3I—Office of the Assistant Secretary of Defense Communications, Command, Control, and Intelligence

OASPL—overall sound pressure level

OAU—Origin of African Unity

OAWG—office automation working group (obsolete; now laboratory information network: LINK)

OBA—operating basis accident

OBD—on-base disposal

OBES—Office of Basic Energy Sciences

OB/OD—open burning/open detonation

obs—observed

**OC—1. open circle 2. outside circumference
3. outer chuck 4. originator controlled**

OCAW—oil, chemical, and atomic workers

OCB—oil circuit breaker

OCC—Office of Chief Counsel (DOE)

OCE—operations control element (or equipment)

OCI—organizational conflicts of interest

OCM—operational change memo

OCN—organization change notice

OCONUS—outside contiguous United States

**OCR—1. operational change report
2. optical character recognition**

OCRWM—Office of Civilian Radioactive Waste Management

**OCS—1. outer continental shelf
2. on-scene commander**

OCSA—order compliance self-assessment

OCSAP—order compliance self-assessment program

OCT—quality coordinator team

OCV—1. overcharged voltage 2. outer containment vessel

**OD—1. optical density 2. outside diameter
3. Office of Declassification**

ODC—ozone-depleting chemical (or compound)

ODE—ordinary differential equation

ODES—operational deployment experiment simulator

ODF—ODES development flight

ODS—ozone-depleting substances

ODTX—one-dimensional time to explosion

Oe—oersted (do not use this unit of magnetic field flux)

OE—1. optical engineering 2. order expert
3. optoelectronics

OEA—Office of External Affairs (DOE)

OEC—Optoelectronics Center

OECD—Office for Economic Cooperation and Development (nuclear-related scientific and technical software)

OEM—original equipment manufacturer

OEMT—operational emergency management team

OEPO—Office of Emergency Plans and Operations

OER—operating experience report

OESH—Office of Environment, Safety, and Health (DOE/AL)

OEST—Office of Energy, Science, and Technology (DOE)

OET—operational employment test

OFA—other federal agencies

OFB—output feedback

OFC—Organizational Facility Coordinator

OFCCP—Office of Federal Contract Compliance Program

OFFE—Office of Federal Facilities Enforcement

OFP—operational flight program

OFR—office furniture request

OFS—operational flight software

OGS—Overseas Ground Station

OH—outer housing

OHE—occupational health examiner

OHEG—organization and human effectiveness group

OHL—over high limit

OHMTADS—oil and hazardous material technical assistance data system

OI—operating (or office) instruction

O&I—operation and inspection

OIDA—Optoelectronics Industry Development Association

OIDT—operator-interactive display terminal

OIE—Office of Inspection and Enforcement

OIG—1. operations interface group
2. Office of the Inspector General

OIS—ordnance initiation set

OISA—Office of International Security Affairs

OIT—Office of Industrial Technologies

OJCS—Organization of the Joint Chiefs of Staff

OJT—on-the-job training

OL—operating location (or limit)

OLE—object linking and embedding

OM—occurrence management

O&M—operation and maintenance

OMA—1. Office of Military Application (DOE) 2. Office of Management and Administration (DOE)

OMB—Office of Management and Budget

OMG—Operational Maneuver Group (Soviet)

OMI—Office of Medical Investigator

ONDP—Office of National Defense Programs (DOE)

ONOP—off-normal operating procedure

ONPG—operations nuclear planning group

ONR—Office of Naval Research

ONT—Office of Naval Technology

ONWI—Office of Nuclear Waste Isolation (Battelle Memorial Institute)

OOH—out of hours

OOL—out of limit

OOPS—object-oriented programs symbols (computers)

OOS—Office of Operational Safety (DOE HQ)

OOSS—overseas operational storage site

OP—operating procedure

OPA—Office of Planning and Analysis

OPAC—Operations (Office for) Arms Control

OpAmp—operational amplifier

OPCC—Offutt Processing and Correlation Center

op. cit.—opere citato, in the work cited

OPCW—American Translation: International Chemical Weapon Inspectorate

OPD—operational plan document

OPDAR—optical direction and ranging

OPEC—1. Organization of Petroleum Exporting Countries 2. On-Premises Educational Committee

OPEIU—Office and Professional Employees International Union

OPD—operational plan document

OP-FTIR—open path Fourier transform infrared spectrometer

OPM—1. Operations Performance Monitor

OPMODEL—operational model

OPNAV—Office of the Chief of Naval Operations

OPORD—operational order

Ops—operations

OPQC—Office Professional's Quality Council.

OPSEC—operations security

OPSEL—option select

OPTASM—optical target signature model

OPTEVFOR—Operational Test and Evaluation Force (Navy)

OPX—off-premise extension

OQP—organizational quality plan

OR—1. Oak Ridge 2. occurrence report 3. operations requirements 3. operational readiness

Oralloy—original meaning: Oak Ridge alloy

ORISE—Oak Ridge Institute for Science and Education

ORLA—optimum repair-level analysis

ORM—other required material

ORNL—Oak Ridge National Laboratory

OR—Oak Ridge Operations (DOE)

ORPS—occurrence reporting and processing system

ORR—operation readiness review

ORRIBLE—Oak Ridge reactor inlet blockage code (computers)

ORS—organization reconstruction system

ORTA—Office of Research and Technology Applications

ORV—off-road vehicle

Os—osmium (chemical symbol)

OS—1. operating system 2. office of space

OSA—Optical Society of America

OSAG—office systems advisory group

OSAP—operational survivability assessment program

**OSC—1. on-scene commander
2. oscilloscope 3. Office of Scientific Computing (DOE)**

OSD—Office of the Secretary of Defense

OSE—Office of Security Evaluations

OSHA—1. Occupational Safety and Health Administration 2. Occupational Safety and Health Act

OSHWPP—occupational safety and health worker protection plan (or process)

OSI—open systems interconnect

OSIA—on-site inspection agency

OSL—optically stimulated luminescence (see COSL)

OSM—on-site monitor

OSNP—Office of Space Nuclear Projects (DOE)

OSO—offensive systems officer

**OSP—1. operational safety procedure
2. Office of Special Projects (DOE)**

**OSR—1. operational safety requirements
2. operational safety report**

OSS—1. Office of Safeguards and Security (DOE) 2. operational storage site 3. operating system software

OSSP—outstanding student summer program

OST—operational suitability test

OSTD—off-site technical director

OSTI—Office of Scientific and Technical Information (DOE)

OSTP—Office of Science and Technology Policy

OSWER—Office of Solid Waste and Emergency Response

OT—operational test

OTA—Office of Technology Assistant

OTD—Office of Technology Development

OTDR—optical time-domain reflectometry

OT&E—operational test and evaluation

OTEA—operational test and evaluation agency

OTEC—ocean thermal energy conversion

OTF—optical transfer function

OTH—over the horizon

OU—operable unit

OUO—official use only

OV—1. Office Vision 2. organic vapor

OVA—organic vapor analyzer

OWBPA—Older Worker Benefits Protection Act

OWI—Office of Waste Isolation (now Office of Nuclear Waste Isolation)

Oy—orr alloy (35U)

OYOC—one-year-on-campus

oz—ounce

P

p—pico- (a prefix indicating 10^{-12})

p—1. proton 2. page (plural is pp)

**P—1. peta- (a prefix indicating 10¹⁵) (Not to be used for poise in dynamic viscosity)
2. precision 3. phosphorous (chemical symbol)
4. Pershing Missile (as in Pershing II or PII) 5. property 6. pressure**

**Pa—1. protactinium (chemical symbol)
2. pascal (unit of pressure or stress)**

pA—picoampere

**PA—1. power amplifier 2. prearmed
3. public address 4. pressure adviser
5. protected area 6. production agency**

**7. position analyzer 8. progress assessment
9. preliminary assessment**

**PAA—1. primary aircraft authorization
2. procurement action approval**

PAAA—Price Anderson Amendments Act

PAAC—program analysis adaptable control

**PAB—1. Project Advisory Board
2. Packaging Advisory Board**

PABX—private automatic branch exchange

**PAC—1. Pershing airborne computer
2. Physical Acoustics Corporation**

PACA—Professional Aerospace Contractor's Association

PACAF—Pacific Air Force

PACCS—post-attack command control system

PACE—plant and capital equipment

PACES—pressurized-air-combustor exhaust simulator

PACOM—Pacific Command

PACPADS—Portsmouth alarm communication processing and display system

PACX—Private Automatic Computer Exchange

**PAD—1. procurement action documentation
2. Pajarito dynamics (computers)**

PADAR—passive detection and ranging

PADS—procurement assistance data system

PAG—protective action guide

PAGOSA—a data-parallel version of the shock-wave physics code: MESA

PAHR—postaccident heat removal

PAIR—powered air purifying respirator

PAL—1. permissive action link 2. phase alternate line 3. programmable array logic 4. protective action levels 5. program area leader

PAM—1. pulse-amplitude modulation 2. prearm monitor 3. pulse-accumulation module

PAMTRAK or Pam Trak—personnel and material tracking (system)

PAN—1. peroxyacetylnitrate 2. percussion actuated nonelectric (disrupter)

PAO—1. Pinellas Area Office (DOE) 2. public affairs officer

PAP—1. performance action plan 2. personnel assurance program (or plan)

PAPS—permissive arming and protection system

par—1. paragraph 2. parallel 3. parenthesis

PARCC—precision, accuracy, representativeness, completeness, and comparability

PARCS—perimeter acquisition radar (attack) characterization system

Par-Q—physical activity readiness questionnaire

PAS—1. primary alerting system 2. protective aircraft shelter (see HAS)

PASC—probability of adversary sequence completion

PASEM—passive environmental monitor

PA/SI—preliminary assessment/site investigation

PASS—1. personnel access security system 2. personnel administrative support system

PASTA—program for application to stress and thermal analysis (computer code)

PASTF—Photovoltaic Advanced Systems Test Facility

PAT—1. progress assessment team 2. plutonium air-transportable (container)

PATB—triaminotrinitrobenzene

PATRAM—package and transport of radioactive material

PATRICIA—practical algorithm to retrieve information coded in alphanumeric (computer program)

PATS—prototype automatic target screener

PAVE PAWS—precision acquisition vehicle entry phased array warning system

PAVING—a mesh-generation software algorithm

PAWS—portable acoustic wave system

Pb—lead (chemical symbol)

PB—pulse battery

PBE—prompt burst energetics

PBFA—particle-beam fusion accelerator (PBFA II is the world's most powerful ion source)

PBFTU—prebuilt flight test unit

PBGC—Pension Benefits Guaranty Corporation

PBPT—pixel-by-pixel transfer]

PBV—post-boost vehicle

PBW—parts by weight

PBX—1. plastic bonded explosive
2. private branch exchange (teletype)
3. public branch exchange

PC—1. printed circuit 2. polymer concrete
3. photoconductive 4. port contenders
5. personal computer 6. PAL controller
7. physician's certificate 8. protective clothing

P-C—plano-convex

PCA—physical configuration audit

PCAP—process capability assurance program

PCB—1. printed circuit board
2. polychlorinated biphenyl 3. personal computer board

PCC—1. Platoon Control Center
2. percent correct classification 3. Policy Coordinating Committee 4. Pressure Certification Committee 5. primary component cooling

PC-CAPRS—personal computer compensation and performance review system

PCCS—ported coaxial cable sensor

PCD—1. program control document
2. physician's certificate of disability

PCE—1. PAL control equipment 2. perchloroethylene

P&CE—plant and capital equipment

pcf—pounds per cubic foot; preferred: lb/ft³

PCI—1. permanent complete incapacitation
2. pellet-clad interaction 3. peripheral component interconnect

PCL—positive control launch

PCM—1. pulse code modulation 2. pulse count modulation 3. pulse colliding mode (locked)

PCMDI—program for climate modeling, diagnosis, and intercomparison

PCN—polyurethane-coated nylon

P-Code—precision code

PCP—product change proposal

PCR—program change request

PCS—1. project (or property) control system
2. power conversion system 3. project control specialist

PCSD—programmable communications security device

PC/SPR—portable computer/seal pattern reader

pct—percent (with a number, the symbol % is preferred: 15%)

PCT—1. peak clad temperature 2. process certification team

PCTAP—positive control turnaround point

PCTH—a parallel shockwave physics code

Pd—palladium (chemical symbol)

PD—1. pulse duration 2. pulse doppler
3. potential difference 4. performance decrement 5. program direction

PD—probability of detection; sometimes written as Pd

P&D—provide and describe

PDA—principal development activity

PDAC—Photovoltaic Design Assistance Center

PDB—1. power distribution box 2. plant damage bin

PDC—1. power drive controller
2. polycrystalline diamond compact

PDD—project data document

PDE—partial differential equation

PDF—probability density function

PDI—1. powerdown interrupt 2. project data interface

pdl—poundal

PDL—1. Program Design Language
2. Process Development Laboratory (obsolete; now the Advanced Manufacturing Processes Laboratory)

PDM—1. pulse duration modulation
2. portable data module 3. power density monitor 4. product data management

PDME—portable data module emulator

PDO—process development order

PDP—1. programmed data processor
2. preferred dentist program

PDR—1. preliminary design review
2. prototype design review

PDS—1. protected distribution system
2. personnel data sheet 3. processing and display system

PDSP—plutonium-dispersed studies program

PDU—process demonstration (or development) unit

PDW—phosphate development works

PDWG—program development working group

pe—probable error

PE—1. pyroelectric 2. polyethylene
3. professional engineering

P&E—personnel and education

PEARL—personnel expertise and resource listing

PECS—probabilistic evaluation of cladding stress (computers)

PECVP—plasma-enhanced chemical vapor deposition

PED—1. photoelectric detector
2. professional experience date (MLS)

PEEK—polyetheretherketone

PEGA—parameter estimation with genetic algorithms

PEIS—Programmatic Environment Impact Statement

PEL—1. property on external loan
2. permissible exposure limit (or level)

PEL/MEL—property on external loan/material on external loan

PEM—1. passive environmental monitors
2. production evaluation missile

PENAIDS—penetration aids

PEO—program executive officer

PEP—performance enrichment program

PEPCI—providing emergency presidential communications interface

PEPER—propellants, explosives, and pyrotechnics evaluation and reapplication

PEPS—photovoltaic electric power system

PERD—professional experience in research and development (MTS)

PERMITS—plant engineering management information and tracking system

PERSEP—Pershing survivability evaluation program

PERT—program evaluation review technique (computers)

PES—plant electrical system

PET—positron emission tomography

PETC—Pittsburgh Energy Technology Center

PETL—Processing and Environmental Technology Laboratory

PETN—pentaerythritol tetranitrate (explosive)

PEV—pyroelectric voltage (array)

PEVN—polyethylene co-vinyl nitrate

pF—picofarad

PF—1. protection factor 2. power factor

PFA—power FORTRAN accelerator

PFBC—pressurized fluidized-bed combustion

PFC—plasma facing component

PFG—Precision Fabrics Group, Inc.

PDW—phosphate development works

PFM—pulse-frequency modulation

PFMAINT—permanent file maintenance (computers)

pfm/cw—pulse frequency modulated/continuous wave

PFN—1. pulse-forming network 2. prompt fission neutron

PFRP—process to further reduce pathogen

PFS—protected firing station

PG—process gas

PGA—1. pin grid array 2. phase gradient autofocus

PGM—precision-guided munition

PGP—professional graphics producer

PGS—perimeter guard station

ph—1. phase 2. phot (illuminance; use lux instead)

pH—potential of hydrogen

PHA—preliminary hazard assessment

PHC—1. preferred health care
2. preliminary hazard classification

Ph.D.—Doctor of Philosophy

PHERMEX—pulsed high-energy radiographic machine-emitting x-rays

PHTS—primary heat transport system

PHYST—pit hydriding safety test

PI—1. principal investigator 2. probability of intercept (see PK) 3. purchasing instruction 4. performance indicator 5. probability of interruption 6. product improvement 7. pressure installer

PIa—Pershing 1a (missile system)

PIA—1. peripheral interface adapter (computers) 2. parallel interface adapter

PIAT—public information assistance team

PIBAL—pilot balloon

PIC—1. polymer-impregnated concrete
2. polyethylene-insulated conductor
3. Personnel Information Center
4. plastic-insulated cable 5. PINS information component

PICS—property inventory control system

PID—1. personnel identification device
2. pulse-integrating detector

P&ID—piping and instrument drawing

PIDAS—perimeter intrusion detection and assessment system

PIE—1. post-irradiation examination
2. partners in education

PIF—productivity investment fund

PIFITE—pipe flooding transient (computers)

PIM—pulse interval modulation

PIMS—1. passive infrared motion sensor
2. purchasing information management system

PIN—1. personal identification number
2. P-type, intrinsic N-type

PINEX—pin experiment

PING—pulsed interrogation neutron and gamma (methodology)

PINPAL—physical inventory pallet

PINS—proliferation information network system

PINCA—parallel integrated computer analysis

PIO—1. programmed input/output
2. peripheral input/output

PIOCS—physical input/output control system (see LIOCS)

PIP—1. peripheral interchange program
2. pre-arm in progress 3. programmable image processor 4. pulsed integrating pendulum 5. public involvement program

PIPER—pulse-intense plasma for exploratory research

PIR—passive infrared

PIV—positive identification verifier

PIVS—Portable Integrated Video System

PIWG—public involvement working group

pixel—picture element

PJA—proper job analysis

PJI—proper job instruction

Pk or PK—probability of kill (see PI)

PKE—process knowledge evaluation

pkg—package

Pl—poiseuille (viscosity)

PL—path length

PLBR—prototype large breeder reactor

PLD—programmable logic device

PLMS—pylon launcher missile simulator

PLMSCP—pylon launcher missile simulator computer program

PLRS—position locating and reporting system

PLS—prelaunch survivability

PLUTO—prediction of molten-fuel behavior under transient overpower conditions (computers)

PLYWD—precision low yield weapon design (Air Force)

PLZT—lead lanthanum zirconate titanate

p.m.—post meridiem (after noon)

Pm—promethium (chemical symbol)

PM—1. phase modulation 2. pulse modulation
3. photomultiplier 4. preventive maintenance
5. project manager 6. particulate matter

PMA—primary management area

PMATS—property management assets tracking system

PMCT—PAL management control team (or test)

PMDI—polymeric diisocyanate

PMF—1. performance management form
2. probable maximum flood

PMI—1. Project Management Institute
2. probable measurement inaccuracy

PMM—pulse mode multiplex

PMMA—polymethyl methacrylate

PMP—1. parts, materials, and processes
2. project (or performance) management plan

PMR—proton magnetic resonance

PMRF—Pacific Missile Range Facility (Navy)

PMS—1. property management system
2. program management system
3. planned maintenance system

PMT—1. Polymicro Technologies
2. process (or performance) management team
3. photo-multiplier tube

PMTF—Plasma Materials Test Facility

PMV—PAL material verifier

P/N—part number (sometimes written as PN)

PNA—pulse neutron activation

PNAF—prime nuclear airlift force

PNC—Power (Reactor and) Nuclear (Fuel Development) Corporation

PNE—peaceful nuclear explosion

PNET—Peaceful Nuclear Explosions Treaty

PNGV—Partnership for a New Generation of Vehicles

PNL—Pacific Northwest Laboratory

PNP—positive-negative-positive (electronics circuits)

PNS—Parabolized Navier-Stokes (computer code)

Po—polonium (chemical symbol)

PO—purchase order

POC—1. point of contact 2. proof of concept

POCC—Plant Operations Control Center

POC/ET—proof of concept/experimental testbed

POG—project officers group

POINTER—particle orientation interferometer

POLICE—protecting our lives, institutions, communities, and enterprises

POM—program objective memorandum

PONC—price of nonconformance

POP—1. period of performance 2. plan of operations and practices

POPS—probabilistic evaluation of transient overpower cladding stress (computers)

PORPLUG—porous plug heat-generating blockage (computers)

pos—positive

POS—point of sale

Post-IOC—post-initial operational capability

POTAS—program for technical assistance (to IAEA) safeguards

POTU—Pershing operational test unit

POTW—publicly owned treatment work

pp—1. pages 2. past participle

PP—1. peak to peak 2. pilot production 3. Pinellas Plant

PPA—property protection area

ppb—parts per billion

PPBS—planning, programming and budget system

PPC—production process characterization

PPCM—portal perimeter continuous monitoring

P&PD—production and planning directive

PPE—1. personnel protection equipment 2. PAVE PAWS East

PPI—process prove-in

PPL—preferred parts list

P-Plan—programming plan

ppm—parts per million

PPM—pulse position (or pulse phase) modulation

PPMO—Pershing Project Management Office

P&PO—planning and programming order

PPPD—pilot-production program definition

PPPL—Princeton Plasma Physics Laboratory

PPRC—Pulsed-Power Research Center

pps—pulse per second

PPS—1. plant protection system 2. plutonium protection system 3. physical protection system 4. preliminary planning schedule

PPSC—Pulsed Power Safety Committee

PPSE—PAVE PAWS Southeast

PPSW—PAVE PAWS Southwest

ppt—parts per thousand

PPT—performance prototype trough

PP/TMS—pilot production/tool-made sample

PPW—PAVE PAWS West

PQ—product qualification

PQA—1. President's Quality Award 2. preliminary quality assessment

PQMI—process quality management and improvement

PQT—process qualification team (obsolete; now qualification evaluation team)

Pr—praseodymium (chemical symbol)

PR—1. purchase requisition 2. public relations 3. personnel representative 4. proprietary (information)

PRA—1. probabilistic risk assessment (or analysis) 2. programmatic risk assessment 3. PAL recode adapter

PRAI—PAL recode adapter interface

PRAM—parameter RAM

PRC—1. programmatic risk classification 2. People’s Republic of China

PRCF—Plutonium Recycle Critical Facility

PRCR—purchase requisition/change requisition

PRD—1. primary responsible department 2. program requirements document

PRDA—program research and development announcement

PREP—production risk evaluation program

PRESS-CM—pit reuse for enhanced safety and security cruise missile

PRF—pulse repetition frequency

PRI—Physical Research Instrumentation, Inc.

pri—primary

PRISM—physically reasonable infrared signature model

PRLS—portable, reconfigurable line sensor

PRO—primary responsible organization

PROM—programmable read-only memory

PROMPT—allows fast computation of a robotic system manipulator’s movement to avoid collision

PRONTO—SNL mechanic code (dynamic) (See SANTOS)

PROTEC—programmable ordnance technology

PROVCORPSV—Provisional Corps, Vietnam

PRP—1. pulse repetition period 2. personnel reliability program

PRR—1. pulse repetition rate 2. protective response recommendation

PRRS—penetration resistance rating system

PRS—1. personnel reporting system 2. plasma radiation source

PRSC—post removal site control

PRT—platinum resistive thermometer

PRVM—peak-reading voltmeter

ps—picosecond

PS—1. product (or primary) specification (drawing number) 2. primary specification

P&S—1. production and systems 2. production and surveillance

PSA—1. Presidential Special Aircraft (Andrews AFB, MD) 2. power switching assembly 3. PAL switch adapter 4. preliminary safety analysis 5. project support agreement

PSAC—Pressure Safety Advisory Committee

PSAR—preliminary safety analysis report

PSC—1. protective sample container 2. Principal Subordinate Command (NATO) 3. pressure safety committee

PSD—prevention of significant deterioration

psf—pounds per square foot; also lb/ft²

psi—pounds per square inch; also lb/in²

PSI—1. personnel security interview
2. Pollutant Standards Index

psia—psi absolute

psig—psi gauge

PSK—phase-shift keying (see FSK)

PSM—program support manager

PSN—1. prototype secure network (computers) 2. proper shipping name
3. power systems modernization

PSO—program senior officials

PSP—Pension Security Plan

PSPM—Pressure Safety Practices Manual

PSR—1. program status review
2. perfectly stirred reactor

PSS—1. pressure-sensitive seals
2. perimeter surveillance system
3. probabilistic safety study

PSU—1. program storage unit 2. portable surveillance unit

PSZT—lead tin zirconium titanate

PT—1. production type 2. Pigmy Trilock (connectors) 3. point 4. product tester (as in PT3003) 5. property transfer

P&T—packaging and transporting

PTC—Pentagon Telecommunications Center

PTD—product test data

PTF—phase transfer function

PTFE—polytetrafluorethylene

PTM—1. pulse time modulation (or multiplex)
2. pan/tilt mount

PTP—peak to peak (ratio)

PTR—pressure test record

P&TSC—packaging and transporting safety committee

PTT—Postal Telephone and Telegraph

PTTSA—pre-tiger team self-assessment

PTV—parachute test vehicle

Pu—plutonium (chemical symbol)

Pub—publication

PUC—PAL unit card

PUP—parent unit parts

PUPS—pick-up points

PUREX—plutonium-uranium reduction extraction

PV—photovoltaic(s)

PVA—photovoltaic array

PVDF—polyvinylidene fluoride

PVE—preset/verify/execute

PV&KD—pressure volume and constant X displacement

PVT—pressure-volume-temperature

PVTB—productivity validation testbed

pW—picowatt

PW—1. pulse width 2. process water

PWA—1. process waste assessment
2. printed wiring assembly

PWB—printed wiring board
PWC—password control
PWDR—preliminary weapon development report
PWG—prioritization working group
PWGM—process water gamma monitor
PWM—pulse-width modulation
PWR—pressurized-water reactor
PWT—parachute wind tunnel
PX—Pantex Plant
PXD—manganin wire pressure transducer
Pz—pi ze (pressure)
PZT—Pb (lead) zirconate titanate

Q

QA—1. quality assurance 2. quality assessment
QAA—Quality Assurance Agency (DOE)
QAER—qualification acceptance equipment release
QAIA—Quality Assurance Inspection Agency (DOE)
QAIP—quality assurance inspection procedures
QAM—Quality Assurance Manual
QAP—quality assurance procedure (or program)

QAPMT—Quality Awareness Process Management Team
QAPP—Quality Assurance Project Plan
QAPPC—Quality Assurance Program Planning Committee
QAR—quality action request
QASL—Quality Assurance, Sandia (National) Laboratories
QAST—quality assurance service test
QAT—quality action team
QATI—quality assurance test instructions
QAVI—quality assurance verification instructions
QBE—query by example
QBF—query by form
QC—1. quality control 2. quality circle 3. quality criteria 4. quality coordinator
QCD—quantum electrodynamics
QCR—quality control/reliability
QCT—quality coordinator team
Q/D—quantity/distance
QDA—1. quartz-based digital accelerometer 2. qualified designated alternate
QED—quantum electrodynamics
QEP—quality engineering project
QER—qualification (or quality) evaluation release
QERD—qualification evaluation research for dismantlement

QEST—quality evaluation systems tester

QET—qualification evaluation team (formerly process qualification team)

QFD—quality function deployment

QIC—quality inspection control

QIP—quality improvement project

QIPM—quality improvement process management

QIT—quality improvement team

QLFT—qualitative fit test

QLORD—quantum-limited optical resonance detector

Qm—quartermaster

QMC—quantum Monte Carlo (numerical simulation method)

QML—qualified manufacturers' list

QMS—quality management system

QNFT—quantitative fit test

QNOW—quality news on weapons

QP—1. quartz phenolic 2. quality plan
3. quick pay

QPL—qualified parts list

QRA—1. quick reaction alert
2. qualitative risk analysis

QS—1. qualification sample 2. quality system

QSC—quality steering council

QSG—quality support group

QSI—Quantum Systems, Inc. (Albuquerque)

QSP—questionnaire for sensitive positions

qt—quart

QTE—qualification testing evaluation

qtr—quarter

qty—quantity

quad—quadrant

qual—qualitative

QUEST—quality-enhancement strategies

QV—quality verification

QUIC—quasi-instantaneous control

QWL—quality of work life

R

r—radius

R—1. roentgen (unit of absorbed radiation dose exposure; see rad) 2. resistance
3. radiant (energy hazard)

(**R**—degrees Rankine (e.g., 99(**R**), used in the Rankine temperature scale

R1, R2—Range 1, Range 2

R2—rewards and recognition

RA—Rockwell, “A” scale hardness

RB—Rockwell, “B” scale hardness

RA—1. relay assembly 2. radiation area
3. risk assessment

RAAS—remedial action assessment system

RAC—1. Research Advisory Committee
2. radioactive cargo 3. response action contractor

RACS—remote access system

RACT—reasonable available control technology

rad—1. radian (plane angle 2. unit of absorbed radiation dose liberating 100 ergs of energy per gram or 10^{-2} J/kg (supersedes the roentgen)

RAD—1. radiation absorbed dose
2. random-access device 3. radioactive

radar—radio detection and ranging (originally an acronym but now accepted as a word)

RADCON—1. radiation contamination
2. radiation control

RADEC—radiation detection capability

RADEX—radiation exposure

RADIAC—1. radiation detection, indication, and computation

RADINT—radar intelligence

RADM—Rear Admiral

Radon transform—named for J. Radon who invented the inversion in a function-line integral

RadPro—radiation protection

rad/s—radians per second (preferred over rad/sec)

RADWASTE—radioactive (and mixed) waste

RAE—Royal Aircraft Establishment

RAeS—Royal Aeronautical Society

RAF—1. Royal Air Force 2. resistance after fire

RAISE—Rural American Indian Science Education

RAL—recommended allowance list

RAM—1. random-access memory 2. read-and-modify memory (digital controllers)
3. radioactive material 4. RADEC analysis and monitor 5. rocket-assisted mode 6. radar-absorbing (or absorption) material
7. radiation area monitor 8. reliability, availability, and maintainability

RAMS—1. remote atmospheric monitoring system 2. radiation area monitor system

RAN—restricted access network

RAP—1. restricted access program
2. remedial action program

RAPADS—rapid (deployment) access delay system

RAPID—1. radiation pattern identification
2. retrofit-assisted parachute in-flight delivery

RAPRENOX—rapid reduction of nitrogen oxides

RAS—1. roof antenna system 2. reactor analysis and safety 3. routine analytical services

RASER—radio-frequency amplification by stimulated emission of radiation

RASLE—radiating and absorbing shock layer equilibrium

RASSPVDN—random sphere (model of) simultaneous particle and vapor deposition

RATLER—robotic all-terrain lunar exploration rover

RATT—radioteletype

RB—1. reentry body 2. rule based

**RBA—1. reentry body assembly
2. radiological buffer area**

RCB—retrieval containment building

RBE—relative biological effectiveness (of radiation)

RBFTU—rebuild flight test unit

RC—1. radiochemical 2. reinforcing capability

R-C—resistance capacitance

RCA—1. root cause analysis 2. Radio Corporation of America

RCAF—Royal Canadian Air Force

RCD—release circuits disconnect

R&CG—Resource and Coordination Group

RCI—receipt for classified information

RCIC—reactor core isolation cooling

RCM—reliability centered maintenance

RCMS—removal cost management system

RCP—reactor cooling pump

RCRA—Resource Conservation and Recovery Act (1976)

RCS—1. reactor control system 2. radar cross section 3. reactor coolant system

RCSC—radiological and criticality safety committee

RCSI—reactor coolant system integrity

RCSM—radar cross-section measurement

RCU—reference control unit

RCW—recirculated cooling water

rd—rutherford (a unit of the decay rate of radio-active material)

RD—1. restricted data 2. remedial design

R&D—research and development

RDA—Research and Development Associates (DNA subcontractor)

RD&A—research, development, and application

R to D to A—research to development to application

RDD—radiation dispersal device

RD&D—research, development, and demonstration

RDDT&E—research, development, demonstration, testing, and evaluation

RDE—radiation-detection equipment

RD&E—research, development, and engineering

RDF—radio direction finder

RDJTF—Rapid Development Joint Task Force

RD/RA—remedial design and remedial action

RDRM—rambus direct random access memory

RDRF—receive data register full (computers)

RDS—records depository system

RDT—reactor development and technology

RD&T—research, development, and testing

RDT&E—research, development, testing, and evaluation

RDU—1. remote data unit 2. RADEC data unit

RDX—abbreviation for the explosive cyclomite

RE—1. rare-earth 2. real

R&E—research and engineering

REA—retard airburst

REAC/TS—Radiation Emergency Assistance Center/Training Site (Oak Ridge, TN)

READ—renewable energy for African development

REAPS—reportable excess automated property system

REASURE—reporting evaluation auditing system for unsatisfactory reports

REB—relativistic electron beam

REBA—relativistic electron-beam accelerator

RECAP—review and command assessment of projects

RECCE—reconnaissance

REDAC—remote detection and control

REDAR—radiation and environmental data acquisition and recording

REDCOM—readiness command

redox—reduction oxidation

REDS—reactor electronic distribution system

REECo—Reynolds Electrical and Engineering Co. (subsidiary of EG&G, Inc.)

ref—reference

ref sym—reference symbol (also RS)

REG—1. range extender with gain
2. retard groundburst

REGAL—report generator algorithm reporting

REHR—reactor heat removal

REI—Raymond Engineering, Inc.

rem—roentgen equivalent man (or mammal) (use sv for sievert instead)

REM—1. recovery exercise module
2. recognition memory (computers)
3. radiation exposure model 4. remedial (planning)

REMBASS—remote battlefield sensor system

rep—roentgen equivalent physical (a unit of ionizing radiation)

RER—relative encryption range

RES—remote equipment shelter

RESC—reactor subcriticality

RESL—Radiological and Environmental Science Laboratory

REST—retrofit evaluation system test

RET-ER—retirement engineering release

RETRVIR—remote telerobotic vehicle for intelligent remediation

rev—revolution

rev/s—revolutions per second; rps is preferred

RF—1. radio frequency 2. response force
3. Rocky Flats 4. research foundation

RFA—1. request for analysis 2. RCRA facility assessment

RFAO—Rocky Flats Area Office (DOE)

RFCS—request for change of scope

RFD—1. rotating flexible decelerator
2. reduced forward deployment
3. radio frequency detection

RFF—response force facility

RFFS—request for facilities support

RFI—1. radio-frequency interference
2. request for information 3. RCRA facility investigation 4. RCRA field investigation

RF/MW—radio-frequency and microwave (frequency)

RFP—1. request for proposal 2. Rocky Flats Plant (EG&G)

RFQ—request for quotation

RFS—radar fire signal

RFT—1. response force time 2. respirator fit test (datasheet)

RFTU—radar flight test unit

RG—Regulatory Guide

RGB—red, green, blue

RGC—Rio Grande Chapter (Local Chapter of the Project Management Institute)

RGH—rare-gas halogen

RGX—reverse geometry x-ray

RGZ—recommended ground zero

Rh—rhodium (chemical symbol)

RH—1. relative humidity 2. remote handled

RHALE—robust hydrodynamics arbitrary Lagrangian Eulerian

RHCP—right hand circularly polarized

RHEPP—repetitive high-energy pulse power (RHEPP II is the world's highest average power electron-beam source)

RHF—report holdings file

RHIC—radiation-hardened integrated circuit

RHM—roentgen per hour at one meter

rho—product of fuel density

RHO—Rockwell-Hanford Operations

RH-TRU—remote handled transuranic waste

RI—1. radio interference 2. Rockwell International 3. responsible individual (see RP) 4. remedial investigation

RIA—1. Robotics Industries Association
2. range insensitive axis 3. regulatory impact analysis

RIB—reference information base

RIC—1. resistance inductance capacitance
2. Rare-Earth Information Center

RID—requirements identification document

RI/FS—remedial investigation/feasibility study

RIG—Risk-based Inspection Guide

RIM—relative importance measure

RIMS—roll-stabilized inertial measurement system

RIMU—reentry inertial measurement unit

RIOM Manual—RACON Installation, Operation, and Maintenance Manual

RIP—1. Retirement Income Plan 2. rapid interface phototyping 3. research in progress

RIPE—robot independent programming environment

RIPL—robot independent programming language

RISC—reduced instruction set computer

RISE—Regional Initiatives for Science Education (The program is to enhance science education from grade levels Kindergarten to 12th grade)

RIT—record (or receipt) of internal transfer

RIU—radar interface unit

RL—radioluminescent

RLCU—remote launch control unit

RLGA—ring laser gyro assembly

RLPG—regenerative liquid propellant gun

RMA—return material authorization

RMAP—Risk Management Action Plan

RMF—remote monitoring facility

RMIEP—risk methodology integration and evaluation program

RML—1. remote maintenance line
2. reactive multi-layers

RMMA—radioactive material management area

RMP—Risk Management Program

rms or RMS—root-mean-square

RMS—rotating mass storage

RMSEL—Robotic Manufacturing, Science, and Engineering Laboratory

RMT—remote maintenance terminal

RMWS—rail mobile weapon system

RMWTS—radioactive and mixed waste tracking system

Rn—radon (chemical symbol)

RN—regency net

RND—rules need date

RNLN—Royal Netherlands Navy

rWc—reciprocal ohm centimeter (electrical conductivity)

rWm—reciprocal ohm meter

RO—1. retrofit order 2. reactor operator
3. remains open

ROA—record of assembly

ROADS—range optimal advanced-development system

ROBAT—robotics obstacle breaching assault tank

ROBCOM—robot communication

ROC—1. required operation characteristics
2. required operation capability

ROCAPS—remote operation of cask penetration system

ROCOMP—radio- or computer-operated mobile platform

ROD—1. record of decision 2. record of disassembly 3. report of discrepancy

RODAN—robotic optical disk access node

ROE—remote operating equipment

ROI—1. return on investment 2. record of origination

ROK—Republic of Korea

ROM—1. read-only memory (computers)
2. rough order of magnitude

ROMC—read-only memory control

ROO—record of origination

RORSAT—radar ocean-reconnaissance satellite

ROSES—remote oscilloscope sealed environment system

ROTL—remote office test line

ROV—1. remotely operated vehicle
2. report of violation

ROVER—remotely operated vehicle for emplacement and reconnaissance

RP—1. radiation protection 2. rendezvous point 3. Reynold part (followed by the part number) 4. respiratory protection
5. responsible party

RPC—remote procedure cells

RPDL—Rapid Prototype Development Laboratory

RPG—rocket-propelled grenade

Rph—roentgens per hour

RPI—Rensselaer Polytechnic Institute

RPL—reactor-pumper laser

rpm—revolutions (or rate) per minute (see rps)

RPM—radial power monitor

R&PM—Regulations and Procedures Manual (DOE)

RPP—respiratory protection program

RPPA—respiratory protection program administrator

RPQ—respiratory protection questionnaire

rps or rev/s—revolutions per second (rps is preferred)

RPS—reactor protection system

RPU—receiver/processor unit

RPV—1. remotely piloted vehicle
2. reactor pressure vessel

RQ—reportable quantities

R&QA—reliability and quality assurance

RQP—responsibilities, qualifications, and performance (ES&H)

R/R—recapture/recovery

RRA—Radiation Research Associates, Inc.

RRC—Regional Response Center

RRDA—Resource Recovery and Disposition Account

RRI—RCRA remedial investigation

RRMT—reactor and reactor material technology

RRPC—radiological respiratory protection coordinator

RRPS—robotic reconnaissance point sensor

RRR—reduced residual radiation

RRRV—rate of rise of recovery voltage

RRSAS—robotic radiation survey and analysis system

RRT—regional response team

RRV—robotics reconnaissance vehicle

RS—1. reentry system 2. reference symbol (also abbreviated: ref. sym.)
3. reprocess specification

r/s—revolutions per second (rps is preferred)

RSA—1. reimbursable (or reimbursement) spending account 2. Radiation Safety Associates, Inc. 3. Rivest, Shamir, Adelman

RSAD—requirements and self-assessment data-base

RSAS—regional seismic array system

RSCFG—revolutionary security concepts focus group

RSCRC—regional superfund community relations coordinator

RSE—1. receiver shield enclosure
2. removal site evaluation

RSI—1. reactor safety information
2. repetitive stress injury

RSL—Remote Sensing Laboratory (Las Vegas, NV)

RSLP—reentry systems launch program

RSNF—Royal Saudi Naval Forces

RSO—reported significant observation

RSP—1. render-safe procedure 2. rapid solidification processing

RSPA—Research and Special Programs Administration

RSS—1. reactor safety study 2. remote security station 3. relay station status
4. remote sub-system 5. ready safe switch

RSSMAP—Reactor Safety Study Methodology Application Program

RSSPS—remote sensor system for physical security

RSTA—reconnaissance, surveillance, and target acquisition

RSTAKA—reconnaissance, surveillance, target acquisition, kill, and assessment

RSTN—regional seismic test network

RSV—robotic security vehicle

RSVP—1. Remote Sensing and Verification Program 2. Retired Senior Volunteer Program

rt or RT—1. room temperature 2. rise time

RT—1. room temperature 2. rise time
3. real time

RTAF—read-time aperture flux

RTB—1. reentry thermal battery
2. robotic testbed

RTBF—Readiness in Technical Base and Facilities

RTDM—remote transponder data modules

RTDP—Robotics Technology Development Program (DOE)

RTECS—registry of toxic effects of chemical substances

RTG—radioisotope thermoelectric generator

RTL—resistor-transistor logic (computers)

RTO—rail transportation office

RTP—1. restructured test program
2. rapid thermal process

RTR—routine technical report

RTS—1. return from subroutine
2. removal tracking system 3. run time storage

RTV—room temperature vulcanizing (or vulcanized)

RUG by ball—70 carbon atom fullerene

RUPL—radar-updated path length

RV—1. reimbursement voucher 2. reentry vehicle 3. reactor vessel

RVA—radar (or range), velocity, and attenuation

RVB—retractable vehicle barriers

RVC—reactor volume control

RVR—Robotic Vehicle Range

RW—river water

RWA—reaction wheel assembly

R wave—Rayleigh wave (seismology)

RWE—reactor works engineer

RWIS—raw water intake structure

RWL—reactor water level

RWMC—Radioactive Waste Management Complex

RwoH—reliability without hermeticity

RWP—radiation work permit

RWQCB—regional water quality control board

RX—reactors

Ry—rydberg (see kayser)

RZ—radiation zone

S

s—second

S—1. survivable 2. sulfur (chemical symbol)
3. siemens 4. secret

S²—1. safeguards and security
2. survivability and security

S³—safety, security, and survivability

SA—1. Sandia (National Laboratories) apparatus 2. storage activities 3. staging area 4. safety assessment 5. standard assembly 6. self-assessment 7. SNL apparatus

S&A—sampling and analysis

SAALC—San Antonio Air Logistics Center

SAAT—Sandia accessibility advocacy team

SABRE—Sandia accelerator and beam research experiment

SAC—1. Sandia auxiliary closure
2. Strategic Air Command (The Air Combat Command has now combined SAC and TAC into one command.) 3. Support Agency Coordinator

SACA—Support Agency Cooperative Agreement

SACCS—SAC Command Control System

SACEUR—Supreme Allied Commander, Europe (NATO)

SACLANT—Supreme Allied Commander, Atlantic (NATO)

SACNET—secure automatic communication network (DOE)

SACR—SAC regulation

SACROC—Strategic Air Command required operational characteristics

SACS—safeguards alarm and communications system

SADARM—search-and-destroy armament

SADCAT—structural analysis of 3-D core assembly transient (computers)

SADM—small (or special) atomic demolition munition

SAE—Society of Automotive Engineers

saf—safed

**SAF—1. security automated fabrication
2. safe, arm, and fuze**

SAFE—1. safeguards automated facility evaluation 2. Sandia award for excellence

SAFER—security and force-protection enhancement resources

SAFETEC—safety technology

SAFF—safe, arm, fuze, and fire

SAFM—safe monitor

SAGE—semi-automated ground environment

SAHP—solar-augmented heat pump

SAI—Science Applications, Inc. (La Jolla, CA)

SAIC—Science Applications International Corporation

SAIR—safe and in-range

SAK—a one-dimensional kinetics computer code

SAL—Safeguards Analytical Laboratory (Seibersdorf, Austria)

SALAD—1. slide-actuated, laser-armed detonator 2. seismic acoustic low-altitude aircraft detector

SALC—systematic assessment of licensee performance

SALE—safeguards analytical laboratory evaluation

SALOGS—Sandia logic simulation

SALSA—SNL application code designed to simulate complex fluid flows on large-scale parallel computers

SALSIM—SALOGS simulation

SALT—Strategic Arms Limitation Talks

**SAM—1. sensor access manager
2. surface-to-air missile 3. scanning Auger microscope**

SAMA—Scientific Apparatus Makers Association

SAMP—Sickness Absence Management Plan

SAMPE—Society for the Advancement of Material and Process Engineering

SAMS—Sandia/Air (Force) materials study

SAMSO—Space and Missile Systems Organization

SAMSON—semiautonomous mobile system for ordnance neutralization

SAMT—State-of-the-art medium terminal

SAN—San Francisco Operations Office (DOE)

SANDAC—1. Sandia data acquisition computer 2. Sandia airborne computer 3. Sandia aerospace computer

SAND DEVIL—Sandia digitally encoded video junk

SANDUS—Sandia digital underground system

SANTOS—SNL mechanic code (static) (see PRONTO)

SAP—1. simulation administration program 2. special access program

SAR—1. safety analysis report 2. synthetic aperture radar 3. supplied air respirator 4. search and rescue

SARA—Superfund Amendment and Reauthorization Act

SARF—special airburst radar fuze

SARGE—surveillance and reconnaissance ground equipment

SARL—Sandia Aerosol Research Laboratory

SAROS—synthetic aperture radar for open skies

SAROS Document Manager—window based system that stores documents in the Mezzanine Library. The Mezzanine manages information using networks.

SARP—1. safety analysis report for packaging 2. severe accident risk program

SAS—1. safety analysis system (computers) 2. statistical analysis system 3. sealed (or secure) authentication system 4. secondary alarm station 5. Senate Armed Services (Committee) 6. synthetic aperture sonar 7. semi-annual soils 8. special analytical service 9. safety assurance system

SASA—severe accident sequence analysis

SASG—Safety Analysis Software Group (DOE)

SASL—a stress computer code

SASP—special ammunition supply point

SASS—1. special aircraft stores shop 2. sequential access storage system

SAT—1. security alert team 2. supervised autonomous testbed 3. staff assistant technical 4. satellite 5. Scholastic Aptitude Test

SATC—seismic/acoustic target classifier

SATCAP—satellite capability

SATCOM—satellite communications

SATIN—SAC AUTODIN teletype interface

SATTLIF—Sandia Transportable Triggered Lightning Instrumentation Facility

SATURN—The world's most powerful plasma radiation source

SAV—semi-annual vegetation

SAVI—systematic analysis of vulnerability to intrusion

SAW—1. surface acoustic wave 2. squad automatic weapon 3. self-assessment work

SAWE—Sandia water-entry

SAXS—small-angle x-ray scattering

Sb—1. stibium (antimony) (chemical symbol) 2. stilb (optics)

SB—1. small business 2. surface burst

SBA—Small Business Administration

SBC—single-board computer

SBEL—Structural Behavior Engineering Laboratory (Phoenix, AZ)

SBIR—small business innovative resource

SBIRCCD—Schottky barrier infrared charge-coupled device (computers)

SBLOCA—small break LOCA

SBO—station blackout

SBX—single-board extension

SBU—Strategic Business Unit

S²C—safety, security, and control

Sc—scandium (chemical symbol)

SC—1. shape component 2. separable component

SCA—Service Contract Act

SCALEBOARD—NATO designation for Soviet SS-12 missile

SCAP—Superfund Consolidated Accomplishments Plan

SCAQ—significant conditions adverse to quality

SCARB—Sandia Corrective Action Review Board

SCARS—1. status, control, alerting, and reporting system (NATO) 2. system control and receiving station

SCB—1. semiconductor bridge 2. Sandia Classification Bulletin 3. sliding crash beam

SCBA—self-contained breathing apparatus

SCC—1. stress corrosion cracking 2. SECOM Control Center 3. Security Control (or Communications) Center

4. Switching Control Center 5. Security Command Center (SNL) 6. Sandia Compensation Council 7. Sandia Computer Committee

SCCF—sprayed chopped-carbon fiber

SCIF—sensitive compartmented information facilities

SCIP—security-type lockbox

SCCM—standard cubic centimeters per minute

SCCS—1. safeguards central control system 2. safeguards control and communications system 3. source code control system 4. single-code coded switch

SCCT—survivable command center technology

SCD—source control drawing

SCDC—signal certification device coder

SCDR—Sandia Corporation Development Report (one of the designations for early SAND reports; now obsolete)

scf—standard cubic feet

scfh—standard cubic feet per hour

SCI—sensitive compartmented information

SCIAD—science advisor (SNL)

SCILS—sensitive countries information logging system

SCIS—1. security configuration information system 2. Service Center Integrated (or Information) System 3. survivable communications integration system 4. Sensitive Country Information Logging System (DOE)

SCISEARCH—Science Citation Index Search

**SCM—1. sensor capabilities modeling
2. small-core memory 3. statistical crack
mechanics**

**SC-M—Sandia Corporation Miscellaneous (a
designation for SAND reports; now obsolete)**

SCN—1. Sandia Classified Network

**SCNMTAA—South Central New Mexico
Technicians Affiliate Association**

SCORE—Service Corp of Retired Executives

**SCORES—scenario-oriented recurring
evaluation system**

**SCP—1. Squadron Command Post
2. shelter control panel 3. secure conferencing
project 4. Sandia Clara plastics**

**SCPR—Sandia Corporation progress report
(obsolete: early SAND reports designation)**

**SCPV—safeguards coordination and
performance verification**

**SCR—1. silicon-controlled rectifier
2. Sandia contracting representative (buyer) 3.
Semiconductor Research Corporation**

**SCRR—Sandia Corporation research report
(one of the designations for early SAND
reports; now obsolete)**

**SCS—1. secure container system
2. supplementary cooling system
3. Sandia Contracting Specialist**

SCSC—Small Computer Support Center

SCSD—secure codes storage device

SCSI—small computer system interface

SCSP—single-crystal silicon photovoltaics

**SCSR—Sandia Corporation Systems Report
(obsolete: early SAND reports designation)**

**SCT—1. stockpile confidence test
2. Super-conducting Core Technologies
(Company)**

SCTI—sodium components test installation

**SCTIS—single-channel transponder injection
system**

**SCTM—Sandia Corporation Technical
Memorandum (obsolete; now SNL Internal
Memorandum)**

**SCUBA—self-contained underwater breathing
apparatus**

SCW—service clarified water

**SCWD—Sandia Corporation Weapon
Development (one of the designations for early
SNL SAND reports; now obsolete)**

**SCWMT—SNL chemical waste management
team**

SCWO—supercritical water oxidation

**SD—1. self-destruct 2. standard deviation
3. source data 4. safe drinking (water)**

**SDA—1. source data acquisition (computers)
2. system design alternatives**

SDACS—stored data acquisition system

SDB—small disadvantaged business

**SDC—1. Strategic Defense Command
2. shut-down cooling**

**SDCSIC—semi-domesticated critter scat
identification chart (for hantavirus work)**

**SDD—1. safety determination documentation
2. system design description (or document)**

SDDB—stockpile dismantlement database

SDDM—Secretary of Defense Decision Memorandum

SDF—Strategic Defense Facility

SDHX—shutdown heat exchange

**SDI—1. strategic defense initiative
2. selective dissemination of information
3. steel door (or deck) institute**

SDL—Spectra Diode Laboratories

SDM—scanning detection mode

SDMS—shared document management system

SDP—subseabed disposal program

SDR—1. systems design review 2. Sandia delegated representative 3. spin dependent recombination 4. significant defect report (obsolete; now SFIR)

SDRAM—synchronous dynamic random access memory

SDS—shutdown sequence

**SDT—1. shock-detonation transition
2. signal data translator**

SDU—slave display unit

SDW—special development warhead

SDWA—Safe Drinking Water Act

SE—standard error

**SEA—1. Statement of Employee Account
2. Science Engineering Associates, Inc.**

SEAB—Secretary of Energy Advisory Board

SEAD—safeguards engineering and analysis database

SEAL—sea-air-land (observation)

SEAM—spin ejector adapter module

SEAMIST—Science and Engineering Associates membrane instrumentation and sampling technique

SEARA—stockpile evaluation and reliability

SeaRAM—sea radioactive materials

SEASAT—SEAL (observation) satellite

SEAV—security enhancement to Area V (Sandia/NM)

SEB—Source Evaluation Board

SEBAS—scattering of electrons by atomic systems (computers)

sec—1. secure 2. secant

**SEC—1. Securities and Exchange Commission
2. Sandia ES&H Council (obsolete; now SQLC) 3. secondary electron conduction**

SECAS—security assurance

SECDEC—single error correcting, double error correcting

SECDEF or SecDef—Secretary of Defense

SECOM—security communications

SECSY—spin-echo correlated spectroscopy

**SED—1. stockpile entry date (or data)
2. skin erythema dose (radiation)
3. statistical experimental design**

SEDEC—Semiconductor Equipment Development Center

SEDO—specified external distribution only (obsolete; use a current unclassified release statement)

SEEK-TALK—jam-resistant radio (USAF)

SEES—security exercise evaluation simulation (or system)

SEFOR—southeast fast oxide reactor

SEI—space exploration initiative

SEIS—Supplemental Environmental Impact Statement

SEL—1. special equipment list 2. sound exposure level

**SEM—1. scanning electron microscopy
2. sensor and environment monitor
3. Society of Experimental Mechanics
4. science, engineering, and mathematics**

SEMATECH—semiconductor manufacturing technology

SEMS—seafloor earthquake measurement system

SEMY—summer employment (for) minority youth

SEN—Secretary of Energy Notice

SENA—student (or summer) employment for Native Americans

SENLEX—sensor layout expert (system)

SENS—suspect equipment notification system

**SEP—1. spherical error of probability
2. selective employment package
3. systematic evaluation program
4. surface electrical potential 5. strike enable plug**

SEPE—sources of ES&H personnel expense

SEPG—software engineering process group

SEPUP—Science Education for Public Understanding Program

SEPW—strategic earth-penetrator weapon

seq—sequence

SEQR—stockpile evaluation qualification release

**SER—1. safety evaluation report
2. stockpile emergency report**

SERA—superfund emergency response action

SERAPHIM—a high speed train that is a spin off from the coil-gun technology that was created at SNL

SERC—State Emergency Response Commission

SERF—Sandia Engineering Reactor Facility

SERI—Solar Energy Research Institute

SERIP—SIGINT/EW Readiness Improvement Program

SERP—Sandia Employees Recreation Program

SERS—surface-enhanced Raman spectroscopy

**SES—1. Standards Engineers Society
2. system external specifications
3. stationary energy storage**

SESC—Sandia Explosives Safety Committee

SETAF—Southern European Task Force (Army)

SETEC—Semiconductor Equipment Technology Center

SETS—set equation transformation system (computers)

SEU—single-event upset

SEV—stockpile emergency verification

SE/VMS—security-enhanced virtual memory system

SF—1. security force 2. special forces
3. superfund 4. significant finding

SFA—1. security fault analysis
2. systemic factors analysis

SFD—system field demonstration

SFE—1. Sandia-furnished equipment
2. slim loop ferroelectric

SFEE—small forces engagement exercises

SFFT—superconducting flux-flow transistor

SFI—significant finding investigation

SFIR—significant finding investigative report

SFIS—striped-filter image sensor

SFK—special-function keyboard

SFMT—San Francisco-Moscow teleport (an electronic bulletin board)

SFPE—Society of Fire Protection Engineers

SFRD—secret, formerly restricted data

SFT—stockpile flight test

SG—1. superconducting generation
2. silicon gate

SGA—Sandia Golf Association

SGC—Space General Corporation

SGEMP—system-generated electromagnetic pulse

SGM—spark-gap modulation

SGML—standard generalized markup language (international standard for text markup)

SGT—1. secure ground transport
2. safeguards transport

SGTS—standby gas treatment system

SH—1. shear horizontal 2. sleeve housing

SHAC—solar heating and cooling

SHAD—Sandia helicopter acoustic detector

SHAPE—Supreme Headquarters Allied Powers, Europe

SHEAC—Safety, Health, and Environment Appraisal Committee

SHED—solar heat-exchange drive

SHEE—safe high-energy explosive

SHF or shf—super-high frequency

SH&F—Safety, Health, and Facilities

SHORAN—short-range (radio)

SHPO—State Historic Preservation Office

SHRP—Strategic Human Resources Plan

SHT—seal head tank

Si—silicon (chemical symbol)

SI—1. Système International d'Unites (International System of Units)
2. security inspector 3. Special Intelligence
4. storage inspection 5. site inspection
6. Salt Institute

SIA—Semiconductor Industry Association (San Jose, CA)

SIAM—self-initiated attack missile (also known as “Little David”)

SIC—standard industrial classification

SICADS—site-independent configurable alarm display system

SICBM—small intercontinental ballistic missile

SICBM/HML—SICBM/hard mobile launcher

SICS—safety injection control system

SID—site interface device

SIDAS—sodium iodide detector (response) analysis software

SIDSS—Sandia irradiator for dried sewage solids

SIED—sophisticated improvised explosive device

SIER—special instruction engineering release

SIEX—steady-state in-pile behavior of mixed-oxide fuels (computers)

SIG—1. special-interest group 2. selenide-isotope generator

SIGDISC—special-interest group (for optical) disks

SIGINT/EW—Signals Intelligence/Early Warning

Sigma—a weapon data access designator

SIK—system independent kernel

SIL—speech interference level

SIM—strategic issues management

SIMD—single instruction, multiple data

SIMOX—separation by implementation of oxygen

SIMPLE—subassembly interchange mixing program for flow effects (computers)

SIMS—1. Sandia intruder motion simulator 2. standards information management system 3. Sandia issues management system

sin—sine

sinh—hyperbolic sine

SIN—site information network

SINCGARS—single-channel ground and aircraft radio system

SIOP—single integrated operational plan

SIP—1. stockpile improvement program (or plan) 2. shock-induced polarization 3. state implementation plan 4. Student Internship Program

SIPE—soldier integrated protective ensemble

SIPI—Southwest Indian Polytechnic Institute

SIR—1. Sandia (National Laboratories) interior robot 2. semi-annual inventory report

SIRAS—Sandia independent review and appraisal system

SIREN—search intercept retrieve expulsion nuclear

SIS—1. safeguards information system 2. superconductivity information system 3. system internal specifications 4. shaft instrumentation system

SIT—1. sonar impingement test 2. silicon intensified target 3. system interface test

SITAN—Sandia inertial terrain-aided navigation

SITB—system integration testbed

SITE—superfund innovative technology evaluation

SITV—Stanford Instructional Television

SIVC—systematize, internationalize, vitalize, and commercialize

SJP—standard job procedure

SJSSA—Sandia jump start self-assessment

SKEDS—Sandia/Kirtland emergency database system

SL—1. strong-link (adjective); strong link (noun) 2. special linear

SLA—1. sequential launch adapter 2. sea, land, and air

SLAC—Stanford Linear Accelerator Center

SLAP—saboted light-armor penetrator (or penetration)

SLAR—side-looking airborne radar

SLATEC—Sandia/LANL AFWL Technical Exchange Committee

SLATS—solar linear array thermal system

SLAVE—Sandia Laboratories Augmented VAX Editor

SLB—shallow land burial

SLBM—submarine-launched ballistic missile

SLC—subscriber looper carrier

SLCM—sea-launched cruise missile

SLCS—standby liquid control system

SLEDS—Sandia Laboratories engineering drawing standards

SLEP—Stockpile Life Extension Program

SLFCU—Sandia Laboratories Federal Credit Union

SLFE—slim loop ferroelectric

SLFS—stronglink firing switch

SLIC—Sandia Laboratories Information Center

SLIFER—shorted location indication from electrical resonance

SLIM—Sandia/LANL interface mockup

SLIME—sublethal interdicting materials experiment

SLIS—Sandia Livermore information system

SLL—Sandia Laboratories, Livermore (obsolete; now SNL/California)

SLM—1. standard liters per meter 2. subscriber loop multiplex 3. sound level meter

SLP—Sandia (National) Laboratories Policy (obsolete now CPR)

SLS—1. strained-layer superlattice 2. Strained-layer semiconductor 3. strong-link switch 4. selective laser sintering

SLSC—small linear-shaped charge

SLT—stockpile laboratory test

SLUMPY—fuel slumping (computers)

SLWPG—Senior-Level Weapon Protection Group

SLYP—solving last year's problems

Sm—samarium (chemical symbol)

SM—1. status messages 2. standard missile (Navy)

S&M—surveillance and maintenance

SMAC—shipment mobility accountability collection

SMART—1. sequential modular architecture for robotics and telecommunication 2. safety, maintenance, and repair team

SMARTS—Sandia modular advanced reconfigurable telemetry system

SMARTWELD—computerized system for rapid-response manufacturing

SMAS—switched maintenance access system

SMC—1. system monitor and control

SMCL—secondary maximum contaminant level

SMCM—sea mine countermeasures

SMCRA—Surface Mine Control and Reclamation Act (1977)

SMCS—surveillance monitoring and control subsystem

SMCTF—Solar Materials and Components Test Facility

SMD—surface mount device

SMDC—supervisors' management development course

SME—1. Society of Manufacturing Engineers 2. subject matter expert

SMERF—Smoke Emission Reduction Facility

SMES—superconducting magnetic energy storage

SMFAS—simplified modular frame assignment system

SMG—submachine guns

SMI—1. salary merit increase 2. static memory interface (microprocessors)

SMLM—Soviet Military Liaison Mission

SMMP—Special Microelectronics Master's Program

SMO—Sample Management Office

SMOA—Superfund Memorandum of Agreement

SMOL—strained-metal overlayers

SMOOPI—shadow moiré out-of-plane interferometric (damage detector)

SMP—1. software management program 2. site management plan 3. special master's program

SMPC—1. specialty metals processing consortium 2. switch-mode power converters

SMRSF—special moment resisting space frame

SMS—site management system

SMTP or smtp—simple mail transfer protocol

SMTS—senior member of technical staff

SMU—1. Strategic Management Unit 2. source measure unit

SMUG—Sandia Macintosh Users' Group

sn—sensor

S/N or SN—1. signal to noise 2. stock number 3. serial number

SNA—systems network architecture

SNAFU—situation normal, all fouled up

SNAP—1. systems for nuclear auxiliary power 2. safeguards network analysis procedure

SNEC—Subgroup on Nuclear Export Coordination

SNF—short-range nuclear force

SNIPER—subnanosecond impulse radiator

SNL—When referring to a specific Sandia location, use the formal (Sandia National Laboratories), informal (Sandia), or acronym (SNL) name as appropriate, with the state name following, separated by a slash.

Examples:

1. Sandia National Laboratories/New Mexico is the site of PBFA II. 2. The Combustion Research Facility at Sandia/California develops and applies new research tools to problems in combustion research. Note: For internal audiences and others familiar with Sandia, the short forms “Sandia/NM” and “Sandia/CA” may be used. Facilities may also be referred to as “the California laboratory” and the “New Mexico laboratory.” Sandia Corporation is the official corporate name. Use it in legal and official documents, contracts, or leases.

SNLESC—SNL Electrical Safety Committee

**SNM—1. strategic nuclear material
2. special nuclear material**

SNMERC—Southeast New Mexico Education Resource Center

SNOBOL—string oriented symbolic language (A computer language developed by Bell Labs.)

SNORT—supersonic naval ordnance research track

**SNOS—1. silicon nitrate oxide semiconductor
2. silicon nitride oxide silicon**

**SNR—1. sodium-cooled nuclear reactor
2. signal-to-noise ratio**

SNS—Sandia notification system

SNTP—space nuclear thermal propulsion (or program)

SNU—solar neutrino unit

SNUPPS—standardized nuclear unit power plant system

SO—special order

SOA—systems ordering agreement

SOAR—Space Operations and Applications Research

**SOC—1. synthetic organic compound
2. security overpack container 3. security operations computer**

SOCOM—special operations command

SODAS—Sandia optical disk archival system

SOF—Special Operations Forces

SOFPARS—Special Operations Forces planning and rehearsal system

SOH—state of health

SOI—silicon-on-insulator

sol—soluble

sol-gel—solution gelation

SO/LIC—special operations/low intensity conflict

soln—solution

SOMNET—Sandia (Labs) open mail network

SOMS—Sandia octahedral molecular sieves

sonar—sound navigation and ranging

**SOP—1. Standard Operating Procedure (ES&H) 2. Safe Operating Procedure (ES&H)
3. standard operating power**

SOR—1. specific operational requirement
2. service order request

SORV—stuck open relief valve

SOS—1. silicon-on-sapphire (memory)
2. self-optimized sector (a code)

SOTAS—standoff target acquisition system

SOTF—security operations training facility

SOUTHCOM—Southern Command

SOW—1. statement of work 2. standoff
weapon

sp—1. special 2. Specific

SP—1. sparkplug 2. standard procedure

S&P—synthesis and processing

sp act—specific activity

SPADAT—space detection and tracking

SPADIS—Space Defense information system

SPADOC—Space Defense Operations Center

SPC—1. statistical process control
2. switching power combiner

SPCC—spill prevention controls and
countermeasures.

SPCDS—small permanent communications
and display segment

SPD—summary plan description

SPDS—safety performance data system

SPDT—single pole, double throw (electrical
switch)

spec—specification

SPECT—single photon emission computerized
tomography

SPETsNAZ—American Translation: Soviet
Special Forces

SPFE—special projects flight experiment

SPG—single-point ground

sp gr—specific gravity

sp ht—specific heat

SPI—security profile inspection (computers)

SPIC—serial/parallel/interrupt controller
(card)

SPICE—a program for electronic circuit
analysis

SPIE—Society of Photo-Optical
Instrumentation Engineers

SPIN—Software Process Improvement
Network

SPIR—short perimeter intrusion radar

SPIRITS—spectral and in-band radiometric
imaging of targets and scenes

SPL—1. sound pressure level
2. semiconductor packaging laboratory
3. self-propelled launcher 4. spare parts list
5. silent-power limited

SPLTS—special private line telephone system

SPM—system prioritization method

SPMS—1. safety performance measurement
system 2. strategic planning and management
system

SPMT—small project management team

SPN—stop-production notice

SPO—1. security police officer 2. Special Projects Office (Navy)

SPOT—Satellite pour l'Observation de la Terre

SPP—standard practice procedure

SPR—1. Sandia Pulsed Reactor
2. strategic petroleum reserve

SPRINT—sub-program (manager) integration team

sps or **SPS**—samples per second

SPS—1. sun-present sensor 2. safety precedence sequence 3. simplified processing station 4. sample protection system

SPSE—savings plan for salaried employees

SPST—single pole, single throw (electrical switch)

SPT—signal processor and timer

SPUR—space power unit reactor

SPV—small projectile vault

sp vol—specific volume

sq—square (use of the superscript ² is preferred)

SQA—software quality assurance

SQC—1. Sandia Quality Council (obsolete; use SQLC) 2. statistical quality control

SQF—subjective quality factor

SQIT—Sandia quality improvement team

SQL—structured query language

SQLC—Sandia Quality Leadership Council (or Committee) (replaces SEC, SMC, and SQC)

SQL/DS—structured query language/data system

SQPC—Secretarial Quality Process Council (or Committee)

SQSC—Sandia Quality Steering Council (or Committee).

SQW—single quantum well

SQWFET—strained quantum well, field-effect transistor

sr—steradian (solid angle)

Sr—strontium (chemical symbol)

SR—1. supplemental requirements
2. software requirements 3. slant range
4. suppressed radiation 5. Steel Room
6. Savannah River (Operations Office/DOE)

S&R—shipping and receiving

S/R—safety/relief

SRA—1. Sandia recognition award
2. special recognition award

SRAM—1. short-range attack missile
2. static random-access memory

SRAM-T—short-range attack missile, tactical

SRB—solid-fuel rocket booster

SRBM—short-range ballistic missile

SRC—1. sample recovery canister 2. space response cell 3. Semiconductor Research Corporation 4. Semiconductor Research Council 5. Safety Review Committee

SRCSC—Sandia Radiological and Criticality Safety Committee

SRD—1. secret restricted data 2. system requirements document

SRE—subsystem research experiment

SREMP—source-region electromagnetic pulse

SRF—Secure Reserve Force

SRI—Stanford Research Institute

SRIC—Semiconductor Research Integration Center

SRID—standards/requirements identification document

SRIR—semirigid inspection resin

SRIS—short-range thermal sight

SRL—Savannah River Laboratory

SRN—Sandia Restricted Network

SRO—1. Savannah River Operations (DOE)
2. senior reactor operator

SRP—Savannah River Plant

SRS—1. Savannah River Site 2. secure recode system

SRSC—Sandia reactor safety committee

SRT—1. special response team 2. security response team

SR/TR—strategic reconnaissance/tactical reconnaissance

SRTS—short-range thermal sight

SRV—1. surrogate research vehicle
2. small (or single)reentry vehicle
3. safety relief valve

SRVS—Sandia reimbursement and vouchering system

SS—1. stainless steel 2. special (or system) specification (a drawing prefix)

3. US designator for Soviet surface-to-surface missile 4. sole source 5. stockpile support
6. security/safety (interface) 7. shift supervisor

S&S—safeguards and security (sometimes written as S²)

SSA—1. senior scientific adviser 2. single stronglink assembly 3. source selection authority

SSAC—Source Selection Advisory Council

SSB—single sideband

SSBN—Navy designator for its ballistic missile launching nuclear submarine

SSC—1. Soldier Support Center (Army)
2. structures, systems, and components
3. scientific support contractor
4. superfund state contract

SSCC—Site Security Control Center

SSCR—1. system software change request
2. senior Sandia contracting representative

SSD—1. steady-state distribution 2. solid-state storage device 3. safety, security, and dismantlement

SSDA—synchronous serial data adapter

SSDC—1. Site Security Defense Center
2. Safety System Department Center (DOE)

SSDPM—Sandia software development process management

SSEB—Source Selection Evaluation Board

sSF—standard saybolt fural

SSF—1. Service Storage Facility 2. saybolt seconds fural

SSFC—Self-Service Finance Center

SSFI—1. safety system functional inspection 2. Scaffolding, Shoring, and Forming Institute

S2SG—Survivability and Security Steering (and Working) Group

SSI—1. ship's system instrumentation 2. small-scale integrated

SSID—supplemental structural inspection document

SSL—1. secondary standards laboratories 2. Sandia Standards Laboratory

SSM—1. secure storage modules 2. single side-band modulation 3. solid-state memory 4. surface-to-surface missile

SS/M—sole source/make (for procurements greater than \$25,000.)

SSN—1. shape-stable nosetip 2. social security number 3. secure supercomputing networking (or network) (SNL)

SSNM—strategic special nuclear material

SSO—source selection officer

SSOMI—safety system outage modification inspection

SSP—1. Stockpile Stewardship Plan 2. Savings and Security Plan 3. Schedule Strike Plan

SSPO—Strategic Systems Project Office

SSPS—solid state protection system

SSR—1. solid-state relays 2. safe-secure railcar 3. stockpile surveillance reliability

SSRS—STRATCOM secure recode system

SSS—1. safe shutdown system 2. supplementary safety system 3. Systems Science and Software (Company)

SSSA—Soil Science Society of America

SST—1. safe-secure trailer (or transport) 2. single-shell tank

SSTB—Salton Sea Test Base

SSTS—space surveillance and tracking system

SSTTP—safeguards system test target program (missile launching)

sSu—standard saybolt, universal

SSU—1. saybolt seconds, universal 2. security system upgrade

SSV—simplified storage vault

St—stoke (use m^3 's kinematic viscosity)

ST—1. space (and missile) technology 2. Sandia traveler 3. superconducting transmission

S&T—systems and technology

S&TA—Science and Technology Alliance

STA—1. Secure Transportation Asset 2. shift technical advisor

STAC—stemming anchor closure

STACS—strategic and theater (tactical) advanced communications study

STADAN—space tracking and data acquisition network

stalo—stable local oscillator

STANAG—Standardization Agreement (NATO)

STAR—1. shock thermodynamics applied research 2. shock technology applied research

STARBASE—security tracking and response base

STARFIX—satellite timing and ranging fix

STARLOC—Sandia target location computer

STARS—strategic target system

START—Strategic Arms Reduction Treaty

STAS—safe-to-arm signal

stat- —Prefix indicating an electrical unit in electrostatic centimeter-gram-second system of units; SI recommends discontinuing the term.

STC—1. Society for Technical Communication
2. seismic target classifier

STCS—short-term compliance statement

std—standard

STE—system test equipment

STED—solar turboelectric drive

STEL—short-term exposure level

STEM—scanning transmission electron microscope

STEP—1. solar total energy project
2. stockpile transition enabling program
3. standard for the exchange of product (model data)
4. standardization enabling project (or program)

STEPS—Sandia text editing and phototyping system

STF—1. safety test facility
2. systems test facility

STI—1. scientific and technical information
2. surveillance test interval

ST&I—security theme and implementation

STL—Simulation Technology Laboratory

STM—1. secure transport module
2. scanning, tunneling microscope
3. stirling thermal motors
4. scientifically tailored materials stack tritium monitor

STMBMS—simultaneous thermogravimetric modulated beam mass spectrometry

STMPO—solar ten-megawatt project office

S&TNF—strategic and theater nuclear forces

STNG—sealed tube neutron generator

STOC—Special Technical Operations Center

STOL—short takeoff or landing

STOLS—surface towed ordnance locator system

STOP—safety training observation program

STOVL—short takeoff or vertical landing

STP—1. system test plan
2. standard temperature and pressure
3. special technologies program
4. software test plan
5. surety technology program
6. software through pictures

STPP—standard truncated pyramid pillar

STR—software trouble report

STRAC—Strategic Army Corps

STRATCOM—1. Strategic Communications
2. Strategic Command

STRAW—structural analysis of subassembly wrappers (computers)

STREP—System Technology Reentry Experiments Program (Army)

STRESS—structural engineering system solver (computers)

STRICOM—Strike Command

STS—1. stockpile-to-target sequence
2. standard threshold shift 3. safeguards transportation system

STSC—secure transportation and storage container

STTF—Solar Thermal Test Facility (now the National Solar Thermal Test Facility)

STTR—small-business technology transfer

STU—1. scientific test unit 2. special test unit
3. seismic test unit 4. secure telephone unit

STX—sensor transmitter

SUCI—sensitive use control information

SUM—Software User’s Manual

SUMMER—Sandia unmanned mobile-machine experimentation range

SUMMIT—Sandia Ultraplanar Multilvel MEMS Technology

SUNMOS—Sandia/University of New Mexico operating system

SUPA—submicron particle analyzer

SUPER—science understanding promotes environmental responsibility

SURF—system utilization reaction factor

SURP—Sandia university research program

SUWCO—Sewer Use and Wastewater Control Ordnance

sv—sievert (J kg⁻¹; formerly rem)

SV—1. space vehicle 2. secure voice
3. standoff vulnerability 4. shear vertical

SVC—special verification commission

SVCN—secure video conferencing network

SVDI—Sandia virtual device interface

SVIA—Specialty Vehicle Institute of America

SVIS—Sandia Voice Information System

SVL—Secure Voice Link

SVLS—submarine vertical launch system

SVMS—Sandia voice messaging system

SVN—secure voice network

SVT—system verification test

SW—1. shortwave 2. shallow water

SWAP—stress wave analysis program

SWAPS—secretarial, writing, and professional standards

SWAT—1. special weapons and tactics
2. sum of weighted accelerations technique
3. solid waste assessment test

SWDA—Solid Waste Disposal Act

SWE—Society of Women Engineers

SWEC—Stone and Webster Engineering Corporation

SWERVE—Sandia winged energetic reentry vehicle

SWF—1. Strategic Weapon Facility
2. stress-wave factor

SWFLANT—Strategic Weapon Facility, Atlantic

SWFPAC—Strategic Weapon Facility, Pacific

SWG—seabed working group

SWGA—Sandia Women’s Golf Association

SWHAS—1. Sandia workplace hazards awareness system 2. Sandia workplace hazards awareness signs

SWIFTII—a computer code

SWIM—special weapon inventory management

SWIRC—Southwest Information and Research Center

SWITS—solid waste information tracking system

SWMC—SNL Waste Management Council

SWMCM—shallow water mine countermeasures

SWMU—solid waste management unit

SWOE—Smart Weapons Operability Enhancement

SWOG—Special Weapons Overflight Guide

SWOP—1. Southwest Organizing Project
2. special weapons ordnance publication

SWORD—Sandia wafer-level software for reliable devices

SWOT—strengths, weaknesses, opportunities, and threats

SWP—1. safe work permit 2. safe work procedure(s)

SWR—standing wave ratio

SWRD—system for weapon rapid deployment

SWS—1. salt water system 2. service water system

SW/RS—stop work/restart

SWSA—solid waste storage area

SWTP—secretarial work training program

SX—space experiments

SXR—special exception release

SXRP—stellar x-ray polarimeter

SXR—special exception release

SYNF—synthetic (gaseous and liquid) fuels

SYNROC—synthetic rock

SYSCON—systems control

SYSIN—system input (computers)

SYSOP—systems operator

T

t—1. triton (the nucleus of tritium)
2. temperature in Celsius; sometimes written as T

T—tera- (a prefix indicating 10^{12})

T—1. tesla (magnetic flux density)
2. temperature 3. transmission
4. tritium (chemical symbol) 5. Trident (as in Trident II) 6. thermal 7. temporary

Ta—antenna noise temperature

Ta—tantalum (chemical symbol)

TA—1. transverse acoustic 2. test apparatus 3. technical associate 4. travel authorization
5. technical area 6. test authorization

TABM—tactical antiballistic missile system

TAC—1. Tactical Air Command (The AirCombat Command has now combined the

former TAC and the former SAC into one command.) 2. toxic air contaminant

TACAMO—take charge and move out

TACC—Tactical Air Control Center

TACCAuto—Tactical Air Command and Control (USAF automated system)

TACFIRE—US Army automated tactical system for artillery fire direction

TACM—total automatic control module

TACOM—Tank Automotive Command (Army)

TACP—Tactical Air Control Parties

TADP—Technology Assessment Development Plan

TADS—technician automated diagnostic system

TAFIG—Tactical Forces interoperability group

TAFIIS—Tactical Air Force integrated information system

TAG—technical assistance grant

TAGS—text and graphics support

TALC—tactical laser communications

TALM—temperature alarm monitor

TALO—time after liftoff

TAMMBA—thermoanalyzer modulated molecular beam apparatus

tan—tangent

tanh—hyperbolic tangent

TAOS—technology for autonomous operational survivability

TAP—1. unit of impulse (1 dyne-s/cm²)
2. Training Accreditation Program (DOE)
3. technical assistance program 4. toxic air pollutant 5. tuition-assistance program

TAPS—1. tunnel and pipe system
2. tunnel and pipe seal

TARC—transportation accident resistant container

TATB—triaminotrinitrobenzene

TAWC—Tactical Air War Center

Tb—terbium (chemical symbol)

T&B—top and bottom

TBC—1. Testbed concentrator (related to solar) 2. To be considered 3. testbed container

TBD—to be determined

TBE—total binding energy

TBI—1. text-based instruction 2. through bulkhead igniter

Tc—technetium (chemical symbol)

TC—1. Thermocouple 2. test component
3. tools component 4. training and certification

T&C—terms and conditions

TCA—trichloroacetic acid

T&C—terms and conditions

TCATS—target cueing and tracking system

TCC—Technical Control Center

TCCC—Transeaver Central Control Center

TCD—trouble call desk

TCE—trichloroethylene

**TCF—1. Technical Control Facility
2. trillion cubic feet**

TCG—1. track control group 2. technical coordinating group 3. topical classification guide

TCI—technology commercialization initiative

TCLP—toxicity characteristic leaching procedure

TCMC—Technical Communications Management Council

TCNT—transpiration-cooled nosetip

TCO—technology commercialization office

TCPC—technical communications products group

TCP/IP—transmission control protocol/interest protocol

TCRC—Technical Classification Review Committee

TCREP—Technical Counters and Response Experimental Program

TCU—tag controller unit

TD—1. theoretical density (sometimes written as Td) 2. timer driver 3. technology development 4. time delay

TDBI—test during burn-in

TDD—target device detection

TDDL—time division data link

**TDF—1. Turbulent diffusion flame
2. Target Development Facility**

TDI—1. target data inventory 2. time-delayed integration 3. toluene di-isocyanate

TDLR—training device letter requirement

TDM—time division multiplexing

TDMA—time division multiple access

**TDP—1. targets development program
2. technical drawing package**

TDR—training device requirement

TDRE—transmit data register empty

**TDS—1. transporter detection system
2. tamper detection system 3. Textron Defense Systems (Wilmington, MA)
4. test definition sub-system**

TDTC—Test, Development, and Training Center

TDY—temporary duty

Te—tellurium (chemical symbol)

**TE—1. transverse electric
2. thermoelectric 3. terminal equipment**

TEARS—tank effect augmentation by remote subsystems

TEC—1. total electron content 2. total estimated cost

TECTU—Tomahawk electrical compatibility test unit

TEDCG—test equipment design coordination group

TEDE—total effective dose equivalent

**TEF—1 Test and Evaluation Facility
2. Tritium Extraction Facility**

TEG—test and evaluation group

TEL—transporter-erector launcher

TELER—telecommunications requirements

TELNET—telecommunications network

TEM—1. transverse electromagnetic (wave)
2. transmission electron microscopy

temp—temperature

TEQ—test equipment qualification

TERA—terminal effects research and analysis

TERCOM—terrain contour matching;
sometimes written TERCONTM

TERSE—terminal reporting system

TES—1. thermal energy storage
2. technical enforcement services

TESS—tactical engagement simulation system

TESSTA—thermal energy storage for solar
thermal applications

TEVES—thermal enhanced (soil) vapor
extraction system

TEX—Telex

TFD—tactical fusion division

TFDD—thermal/flash protective device

TFE—trifluoroethylene

TFM—thin-film membrane

TFN—the proper acronym for thick (film)
network is TKN

TFP—traffic facility practices

TFPD—thermal/flash protective device

TFS—terminal fix system

TFSF—thin film secure facility

TFT—thin-film transistor

TFTR—Tokamak Fusion Test Reactor
(Princeton's Plasma Physics Laboratory)

TFW—Tactical Fighter Wing

TGA—thermogravimetric analysis

TGES—task group on electrical safety

TGP—two-gimbal platform

Th—thorium (chemical symbol)

TH—telemetry head

THB—1. test head battery 2. test head B

THERP—technique for human error rate
prediction

THIS—trouble-handling information system

thk—thick

thm—therm (British unit of temperature)

THM—1. terminal homing munitions
2. tri-halomethane

3D—three dimensional

THREX—threshold experiment

THT—transient heat transfer

TI—1. Texas Instruments 2. transport index

TIA—Telecommunications Industries
Association

TIADS—Tonopah Integrated Air Defense
System

TIC—Technical Information Center (Oak
Ridge); TIC is now obsolete; see OSTI

TID—1. traveling ionospheric disturbances
2. tamper-indicating device

TIDBITS—ES&H training information database

TIDS—technical information distribution system

TIE—1. technical institute equivalency (program) 2. technical information exchange

TIE-In—technology information environment for industry

TIG—tungsten inert gas

TIM—1. target insertion mechanism
2. technical interchange meeting

TIMS—technical information monitoring system

TIO—technical integration office

TIP—1. transaction interface package
2. Tokamak improvement program
3. thulium isotope power

TIPS—total improvement process system (visitor access)

TIQLR—teamwork, integrity, quality, leadership, and respect

TIR—total indicated runout

TIRC—technical information resource consultant

TIS—1. technical information specialist
2. technical information service
3. Telephone Intercept System

TIU—1. transducer interface unit 2. tag interface unit

TK—temperature Kelvin (see K)

TkN or TKN—thick (film) network

TL—transmission level

T2L—transistor-transistor logic; use TTL instead

TLA—time loss analysis

TLAM—Tomahawk land-attack missile

TLAM-C—Tomahawk land-attack missile, conventional

TLAM-N—Tomahawk land-attack missile, nuclear

TLCC—thin line connectivity capability

TLD—1. thermoluminescence dosimeter
2. threshold lung damage

TLDE—theater launch detection experiment

TLE—target-location error

TLI—treaty-limited item

TLTA—two-loop test apparatus

TLV—threshold limit value

TLX—short for TELEX

TM—1. tone modulation 2. transverse magnetic 3. technology manager
4. telemetry 5. technical manual
6. thematic mapper

T&M—time and material

TMAB—tetramethylammonium borohydride

TMAC—Toxic Materials Advisory Committee

TMAP—1. teleoperated mobile anti-armor platform 2. tactical multipurpose automated platform

TMD—theater missile defense

TMDE—test, measurement, and diagnostic equipment

TMI—Three-Mile Island

TMP—technology maturation program

TMS—1. The Metals Society 2. tool-made sample (QA) 3. technical marketing specialist

TMSS—telemanaged (or teleoperated) mobile security station (pronounced "Thomas")

TN—temperature (noise)

TN—1. thermonuclear 2. test monitor

TNA—thermoneutron activation

TNAZ—trinitroazetidine

TNCHP—trizacycloheptene

TNF—tactical nuclear forces; theater nuclear forces

TNFC3S—Theater Nuclear Forces Command, Control, and Communication System

TNNW—Treaty on Nonproliferation of Nuclear Weapons

TNSA—technical nuclear surety (or safety) analysis

TNT—trinitrotoluene (explosive)

TO—1. transverse optic 2. technical order (sometimes written as T.O.)

TOA—time of arrival

TOC—1. Test Operation Center 2. Technical Operations Center 3. total organic carbon (or compound)

TOF—time of flight

TOFF—Transient Overpower Fuel-Element Failure (computers)

TOFMS—time of flight mass-spectrometry (or spectrometer)

TOG—technical oversight group

tol—tolerance

TOMS—total ozone mapping spectrometer

TOO—targets of opportunity

TOP—1. technical operating plan 2. transient overpower (accident) 3. total obscuring power (measure of smoke screening) 4. traffic operating procedure 5. Triple Option Plan

TOPS—teacher opportunities to promote science

TOS—1. tactical operations system 2. transportation options study

TOSI—technical on-site inspection

TOSM—transceiver on-site multiplexer

TOUGH—transport of unsaturated groundwater and heat

TOV—teleoperated vehicle

TOW—time of work

TP—technical publication

TPA—1. terephthalic acid 2. tri-party agreement 3. terminal processing assembly

TPC—1. transaction processing center 2. temporary procedure change

TPD—temperature programmed desorption

TPICK—Telecommunications Plan for the Improving of Communications in Korea

TPL—transient protection limit

TPQ—threshold planning quantity

TPR—terrain profile recorder (also known as airborne profile recorder, or APR)

TPS—1. thermal power system 2. tamper-protected sensors 3. transactions per second

TPU—text processing utility

TPV—thermophotovoltaic

TPX—1. tokamak physics experiment
2. polymethylpentene

TQG—tactical quiet generator

TQM—total quality management

tr—trace

TR—trainer

TRA—1. test reactor area 2. teacher research associate

TRAC—transient reactor analysis code

TRACE—tamper-resistant authenticated camera enclosure

TRADE—training resources and data exchange

TRADOC—Training and Doctrine Command (US Army)

TRAM—transient multiplexer

TRANSWRAP—transient sodium water reaction analysis program (computers)

TRAPP—transient response to applied pressure pulses (computers)

TRC—total recordable case

TREAT—Transient Reactor Test Facility

TRED—technology for regional-based economic development

TREE—transient radiation effects in electronics

TREX—thermally reactive elastic-plastic explosive

TRI—1. Tech Repts, Inc. 2. toxic release inventory

TriP—transient ignition phenomena

TRISP—time-resolved infrared spectral photography

TRITAC—Tri-Service Joint Tactical Communications Office

TRL—Tritium Research Laboratory

TRL/SRC—Tritium Research Laboratory/Safety Review Committee

TROKA—Third Republic of Korea Army

TRP—technology reinvestment project

TRS—1. text recognition system
2. telemetry receiving station

TRSS—tactical remote sensor system

TRU—1. transuranic 2. total resource utilization

TRUEX—transuranic extraction

TRUPACT—transuranic package transporter

TRV—tactical robotic vehicle

TRW—Thompson, Ramo, Wooldridge (Corporation)

TS—1. technical support 2. target strength
3. top secret 4. technical specification
5. toxic substance

TSA—1. technical staff associate
2. technical safety appraisal

TSAM—tri-service standoff attack missile

TSAR—terminal special-access request

TSC—1. touch screen control 2. triple standard concertina 3. Technology Support Center

TSCA—Toxic Substances Control Act

TSCC—Technical Support Coordinating Committee

TSCM—1. technical security countermeasure
2. temperature scram circuit monitor

TSCO—top secret control officer

TSD—1. treatment, storage, and disposal
2. technical system design 3. technology for safe driving

TSDF—treatment, storage, and disposal facility

TSE—test support equipment

TSER—transportation safety evaluation report

TSES—Transiberian Express Service

TSG—telephone security group

TSLS—trajectory stronglink switch

TSM—Transportation Safety Manual

TSN—terminal switching network

TSO—time-sharing option

TSP—1. traffic service position 2. total suspended particulates 3. transportation/storage program 4. testbed setup program

TSPI—time-space position information

TSR—1. thermostructural response
2. technical safety requirement

TSRS—tactical secure recode system

TSS—1. transportation security system
2. total suspended solid

TSSG—1. trajectory-sensing signal generator
2. transportation study steering group

TSSP—trajectory sensing signal processor

TSSPE—trajectory sensing signal processor enable

TSTS—Tomahawk system test set

TTA—1. tube-transformer assemblies
2. Tiger Team assessment

TTAP—Tiger Team Action Plan

TTB—1. tank testbed 2. target technology base

TTBT—Threshold Test Ban Treaty

TTC—Technology Transfer Center

TT&C—technology transfer and commercialization

TTF—thermal treatment facility

TTGM—Tiger Team Guidance Manual

TTI—technology transfer initiative

TTIM—TACOM thermal image model

TTL—transistor-to-transistor logic

TTLD—Teflon thermoluminescent dosimeter

TTM—two-tone modulation

TTO—total toxic organics

TTR—1. Tonopah Test Range 2. time to repair

TTS—1. time-transfer system
2. temporary threshold shift

TTV—test target vehicle

TTY—1. teletype 2. teletypewriter

Tu—tuballoy

TU-ART—twin universal asynchronous receiver/transmitter

TUDE—terminal user data entry

TUL—time until launch

TUQS—trajectory unique signal

TVA—Tennessee Valley Authority

TVATP—tactical vulnerability assessment training program

TVC—Technology Ventures Corporation

TVI—television interference

TVL—tenth value larger

Tw or Twad—Twaddell (a unit of specific gravity on the Twaddell scale)

TW—terawatt (trillion watts)

TWA—time-weighted average

TWAA—tactical warning attack assessment

TWCS—Tomahawk Weapon Control System

TWF—transuranic waste facility

TWNP—tape-wound nylon phenolic

2D—two dimensional

TWO-DFFT—two-dimensional fast Fourier transform (see DFFT)

TWP—1. transuranic waste program
2. tactical warfare program

TWPG—Trident Warhead Project Group (US/UK)

TWS—Tomahawk Weapon System

TWT—1. traveling-wave tube 2. transonic wind tunnel

TWTSF—transuranic waste treatment and storage facility

TWX—teletypewriter exchange (service)

U

u—atomic mass unit (unified)

mA—microamps)

UART—universal asynchronous receiver/transmitter

UAV—unmanned aerial vehicle

U-AVLIS—uranium-atomic vapor laser isotope separation

UBC—Uniform Building Code)

UBITRON—undulating beam interaction electron (tube)

UC—use control

U&C—usual and customary

UCAI—unclassified controlled access information

UCBT—uncollimated Compton backscattering tomography

UCC—use control characteristics

UCCATS—urban combat computer-assisted training system

UCC/ND—Union Carbide Corporation/Nuclear Division

ucg or UCG—underground coal gasification

UCL—upper control limit

UCNI—unclassified controlled nuclear information

**UCP—1. Universal Construction Package
2. Unified Command Plan 3. uranium calibration pit**

UCPOG—use-control project officer's group

**UCS—1. unclassified computer software
2. Union of Concerned Scientists**

UDETSS—underwater deterrent security system

UDL—use denial lock

UDT—underwater demolition team

UEL—upper explosive limit

UESC—United Energy Services Corporation

UF—1. Upward Feedback 2. University of Florida

UFAS—Uniform Federal Accessibility Standards

UFC—Uniform Fire Code

UFFCS—ultrasonics, ferroelectrics, and frequency control society

UFL—upper flammable limit

UFSAR—updated final safety analysis report

UG—underground

UGS—unattended ground sensor

UGSW—unattended ground sensor workstation

UGT—underground test

UGV—unmanned ground vehicle

UHDL—unified hardware description language (computers)

UHF or uhf—ultra-high frequency

UHI—upper-head injection

UHLCADS—ultra-high-level container airdrop system

UHV—ultra-high voltage

U/I—urban-industrial

**UIC—1. user identification code
2. underground injection control**

UIS—user interface simulation

UJT—unijunction transistor

UK—United Kingdom

UKAEA—United Kingdom Atomic Energy Authority

UL—Underwriter's Laboratories, Inc.

ULF—ultra-low frequency

ULSI—ultra-large-scale integrated

**UMS—1. ultrasonic motion sensor
2. universal maintenance standards**

UNAAF—Unified Action Armed Forces

**UNC—1. unified national coarse (holes)
2. United Nuclear Corporation**

UNCAI—unclassified noncontrolled access information

UNICCAP—universal cable circuit analysis program (computers)

UNIX—a computer operating system developed at Bell Labs

UNSCOM—United Nations Special Commission

UMT—uranium mill tailings

UMTCA—Uranium Mill Tailings Control Act (1978)

UN—unsatisfactory

UNO—United Nations Organization

UO₂—uranium dioxide

UOP—Formerly Universal Oil Products; now a joint venture company of Union Carbide and Allied Signal

UOR—unusual occurrence report

UPC—universal PAL controller

UPEC—University Programs Education Committee

UPH—underground pumped hydro

**UPI—1. United Press International
2. Unidynamics/Phoenix, Inc.**

UPS—uninterruptible power supply

UPT—university part-time

UQS—unique signal

UR—unsatisfactory report

URA—uniformly redundant array

URS—UHF ranging system

**US—1. United States (often written as U.S.)
2. Ultrasonic**

U&S—unified and specified

USA—1. United States Army 2. United States of America 3. United Space Alliance

USAAG—US Army artillery group

USABC—US Advanced Battery Consortium

USAD—US Agency for International Development

USADC—US Army Defense Command

USAF—United States Air Force

USAFAD—US Army Field Artillery Detachment

USAFE—US Air Force, Europe

USAKA—US Army Kwajalein Atoll

USAREUR—US Army, Europe

USART—universal synchronous/asynchronous receiver/transmitter

USARV—US Army in Vietnam

USASDC—US Army Strategic Defense Command

USASI—USA Standards Institute (replaces ASA)

USASOC—US Army Special Operations Command

USATHAMA—US Army Toxic and Hazardous Materials (Center)

USCAR—US Council for Automotive Research (research consortium formed by Ford Motor Company, Chrysler Corp., and General Motors Co.)

USCG—US Coast Guard

USCINCEUR—US Commander-in-Chief, Europe (NATO)

USCINCPAC—US Commander-in-Chief, Pacific Command

USCINCSO—US Commander-in-Chief, Southern Command (NATO)

USCOMDOMREP—US Commander, Dominican Republic

USDA—US Department of Agriculture; unique signal device assembly

USDOE—US Department of Energy

USDRE—Under Secretary of Defense for Research and Engineering

USDSD—ultrasonic seal data storage device

USDW—underground sources of drinking water

USECRE—US Export Council for Renewable Energy

USEUCOM—US European Command

USFK—US Forces in Korea

USFWS—US Fish and Wildlife Service

USG—1. US Government 2. unique signal generator (or generation)

USGCRP—US Global Change Research Program

USGS—US Geological Survey

USH—universal sleeve housing

USIC—US Industry Coalition

USJVP—Utility Scale Joint-Venture Project

USMB—US Metric Board

USMC—US Marine Corps

USN—US Navy

USNC/RM—US National Committee for Rock Mechanics

USOP—unique signal override plug

USQ—unreviewed safety question

USRADS—ultrasonic ranging and data system

USRD—ultrasonic seal reading head

USS—United States ship

USSAN—US Security Affairs NATO

USSIOP—US single integrated operational plan

USSPACE(COM/NORAD—US Space Command/North American Air Defense

USSR—Union of the Soviet Socialist Republics (see NIS and FSU)

**UST—1. unique signal train
2. underground storage tank**

UT—ultrasonic testing

UTA—University of Texas at Austin

UTC—universal time coordinated

UTMC—United Technologies Microelectronics Center

UTRC—United Technologies Research Center

UU—ultimate user

UUT—Unit Under Test

UV—1. ultraviolet 2. undervoltage

UVASER—ultraviolet amplification by stimulated emission of radiation

UV-LIDAR—ultraviolet light detection and ranging

UV-Vis—ultraviolet visible

UWB—ultra-wide band

UXO—unexploded ordnance

V

v—1. vibration 2. velocity

V—1. vanadium (chemical symbol) 2. volt

VA—1. Volt ampere 2. vulnerability assessment

vac—vacuum

VAC—1. Vacuum Atmospheric Company; (Hawthorne, CA) 2. volts, alternating current (see VDC) 3. vacuum

VACS—voice activated control system

VAFB—Vandenberg Air Force Base

VAIS—visually artificial intelligent surveillance

VAM—vibration and acoustic monitoring

VAMS—visits and assignments management system

VANA—vector automatic network analysis (or analyzer)

VAr—volt-ampere reactive

VAR—1. visual-aural range 2. vacuum-arc-remelt

VAT—vertical access tower

VAWT—vertical-axis wind turbine

VAX—virtual address extension

VB/TWSS—vehicle barrier/taut-wire sensor system

VC—verification chamber

VCC—voice conferencing console

VCE—vinyl copolymer ethylene

VCM—voluntary corrective measure(s)

VCO—1. voltage-controlled oscillator 2. virtual cathode oscillator

VCP—1. volunteer contribution plan 2. verifiable control procedures 3. verifiable completion process 4. vitrified clay pipe

VCR—videocassette recorder

VCSEL—vertical-cavity surface-emitting laser

V&CT—verification and control technology

VDC—1. volts, direct current (see VAC) 2. volts direct current

VDFG—variable diode function generator

VDI—1. video disk interactive (computers) 2. virtual device interface

VDT—video display terminal

Ve—exhaust velocity (expressed in m/s)

VE—visoelastic (materials)

VEC—variable explosive chamber

VENUS—computer code superseding MARS code for disassembly analysis

vf or VF—video frequency

VFA—vibration fly around

VFO—variable frequency oscillator

VFP—variance frequency processor

VGA—1. video graphics array 2. video graphics adapter 3. voluntary group accident (insurance)

VH—velocity (or validation) head

V&H—vulnerability and hardening

VHAP—volatile hazardous air pollutant

VHDL—VHSIC hardware description language

VHF or vhf—very high frequency

Vholdup—holdup capacitor voltage

VHSIC—very high speed integrated circuit

VHT—very high temperature

VIA—volunteers in action

IEWS—virtual interactive environment work space

VIP—1. visual information projection 2. vital issue process 3. video imaging projectile 4. very important person

VISAR—velocity interferometer system for any reflector

VISDTA—video imaging system for detection, tracking, and assessment

VISTA—very intelligent surveillance and target acquisition

VITA—volunteers in technical assistance

Viterbi—redundancy for error checking

VIU—VME I/F unit

viz.—videlicet; namely

VKA—volatile keying assembly

VLBI—very low baseline interferometry

vlf or VLF—very low frequency

VLF—very low flow

VL&H—vulnerability, lethality, and hardening

VLOS—vertical line of sight

VLR—very long range

VLS—vertical launching system

VLSI—very large scale integration

VM—1. velocity modulation 2. voltmeter 3. virtual machine

V/m—volts per meter

VMD—video motion detection

VME—versa-module, Europe

VMS—virtual memory system

VMSEL—Virtual Manufacturing and Synthetic Environment Laboratory (SNL)

VNIIA—Translation: All-Russian Scientific Research Institute of Automatics

VNIR—very near infrared

VNIEF—(also known as Arzamas-16)
Translation: Russian nuclear weapons
laboratory (can be considered a combination of
Los Alamos National Laboratory and Sandia
National Laboratories)

VNITF—Translation: Russian Federal
Nuclear Center

v/o—volume/percent

VOC—volatile organic compounds

V/OD—voice/open data

vol—volume

VOM—volt-ohm milliammeter

VOR—VHF omni range

VP—1. video processor 2. vault processor 3.
vice president 4. vapor pressure

Vp—pinchoff voltage

VPIC—Russian acronym for Soviet Military
Industrial Commission

VR—virtual reality

VRCI—Variable Resistive Components
Institute

VRE—vibrating reed electrometer

VRF—Visual Recording Facility

VRIS—vault remote inventory system

VRLA—valve regulated lead-acid (batteries)

VRTWG—verification research technology
working group

vs.—versus

VS—very survivable

VSB—vestigial sideband

VSI—visual site inspection

VSIS—Vault Safety and Inventory System

VSM—vestigial sideband modulation

V-SMOW—Vienna standard mean ocean
water

VSS—video storage system

VSTOL—vertical/short takeoff and landing
(aircraft)

VSU—1. voice synthesizer unit 2. video
surveillance unit

VSW—very shallow water

VSWR—voltage standing-wave ratio

VT—vacuum tube

VTE—virtual test environment

VTERM—virtual terminal

VTL—voluntary term life

VTOL—vertical takeoff and landing

VTTP—Verification Test Plan and Procedures

VTR—1. video tape recorder 2. vault-type
room

VTS—vertical tube storage

VTVM—vacuum tube voltmeter, used now
only on old equipment; use EVM for electronic
voltmeter

VTWS—vertical taut-wire sensor

VTZF—variable threshold zonal filter

vu—volume unit

VU—veeder unit

Vu-graph—informal spelling of viewgraph

VUA—virtual user address

VUV—vacuum ultraviolet

V&V—validation and verification

VVT—variable valve timing

W

W—1. watts 2. wolfram (or tungsten) (chemical symbol) 3. warhead

WA—work authorization

WAC—1. weapons allocation committee
2. weapons advisory committee 3. weapons activity committee

WACC—waste acceptance criteria committee

WADS—weapons access delay system (formerly the igloo access delay system)

WAF—waste assay facility

WAIS—1. wide area intrusion (detection) system 2. wide area information server (OSTI) 3. wide area infrared sensor

WALI—workstation for the analysis of LISA images

WALT—warning assessment logic terminal

WALTS—wide-angle laser transmitter system

WAM—1. wide-area mine 2. warhead arming maneuver

WAN—wide-area network

WAP—weapon appraisal process

W-ARD—Westinghouse, Advanced Reactors Division

WARSS—wide area ramp surveillance system

WART—wave action rotary transmission

WATCH—wireless alarm transmission of container handling

WATDR—waste accumulation traveler disposal request

WATS—wide-area telephone service

Wb—weber

WBC—whole body counter

WBCN—wide-band communications network (DOE) (Transmission between Production Facilities and the Weapons Labs)

WBS—work breakdown structure

WC—waste custodian

WCD—weapon compatibility date

WCL—Waste Certification Laboratory

WCP—weapon control panel

WCS—weapon control system

WCSC—Workgroup Computing Service (or Support) Center

WCU—1. WATCH controller unit
2. weapon control unit

WDCR—weapon design and cost report

WDD—wing data disk

WDEC—weapon design, engineering, and certification

WDI—watchdog input

WDL—work days lost

WDR—weapons development report

WDSR—weapon development status report

WDT—warning display terminal

w.e.—water equivalent

WE—1. write enable 2. Western Electric

WEAT—Web External Architecture Team

WEC—Westinghouse Electric Corporation

WeDID—Waste Component Recycle, Treatment, and Disposal Integrated Demonstration

WEF—Water Environment Federation

WEIL—weapon evaluation test laboratory

WERC—Waste-Management Education and Research Consortium

WERF—Waste Experimental Reduction Facility

WERP—Waste Examination Reduction and Packaging (Facility)

WES—1. warhead electrical system
2. weapon electrical system 3. Waterways Experiment Station

WESF—Waste Encapsulation and Storage Facility (Hanford)

WESTCOM—Western Command

WESTLANT—Western Atlantic Command (NATO)

WETL—Weapon Evaluation Test Laboratory

WF&A—waste, fraud, and abuse

WFO—work for others

WFOTD—Work for Others Technologies Division (DOE)

wg—weapon grade

WGA—Western Governors Association

WGBC—waveguide beyond cutoff

wgs—water-gas shift

WGS—world geodetic system

WGSP—Western Gas Sands Project

Wh—watt hour

WH—warhead

WHC—Westinghouse Hanford Company

WHCA—White House Communications Agency

WHI—warhead installation

WHOI—Woods Hole Oceanographic Institution

WH/RV—warhead and/or reentry vehicle

WHS—warhead section

WHTU—warhead test unit

WIMP—weakly interacting massive particle

WIN—1. waste information network
2. women’s inreach network

WINS—well-based inertial navigation system (now banned)

WIPP—Waste Isolation Pilot Plant

WIR—weapon information report

WIS—WWMCCS information system

WITS—warhead (or weapon) integration test system

WITU—a weapon identification device

WIU—weapon interface unit

wk—week

WL—1. Wright Laboratory 2. Weapons Laboratory 3. working level

WL/AD—Wright Laboratories/Armament Directorate

WLANT—West Atlantic

WLM—working level month

WM—waste management

WMD—waste-management defense

WMIC—Waste Minimization Implementation Center

WMin—waste-minimization

WMOA—waste minimization opportunity assessment

WMOC—waste management operations committee

WMRP—waste-management and regulatory projects

WMS—warehouse management system

WMT—weapons maintenance trailer

WN—WNINTEL

WNINTEL—Warming Notice: Intelligence (Sources or Methods Involved)

w/o—1. weight/percent; see wt. % (preferred) 2. without

WO—1. work order 2. waste operations

WOB—women-owned (or woman-owned) business

WOC—Wing Operations Center

WORM—write once read many

WOTS—work order tracking system

WP—1. white phosphorus (screening smoke) 2. West Point. 3. Warsaw Pact (now obsolete) 4. word processing (or word processor)

WPAS—work package authorization system (nonweapons program)

WPC—Women's Program Committee

W/PC—work/passenger car

WPIO—WIPP Project Integration Office (DOE)

wpm—words per minute

WPM—work project manager

wpn—weapon

WPPSL—weapons production primary standards laboratory

WPT—Weapon Preload Test

WQC—water quality criteria

WQCC—Water Quality Control Commission

wr—wreath

WR—1. war reserve (stockpile of weapons) 2. working receiver (STTF)

WRAP—waste receiving and processing plan

WRD&T—weapons research, development, and testing

WRE—Weapons Research Establishment (UK)

WREAFS—waste reduction evaluation at federal site

WRO—weapon retrofit order

WROC—waste reduction operations complex

wrs—weighted residual squared

WRT—WIPP radioactive test

WR&TD—weapons research and technology development (program)

WS—1. weapons system 2. warhead section 3. weapon storage 4. work station 5. worker safety 6. weapon science

WS³—This system's formal US designation is the Weapon Storage and Security System (AN/FSQ-143-V). Within NATO, the WS³ is called the Weapon Security and Survivability System.

WSA—weapon storage area

WSARG—weapon safety assessment and review group

WSC—weapons security container

WSE—worksite evaluation

WSESRB—Weapon System Explosives Safety Review Board

WSET—weapon systems evaluation test

WSI—Wackenhut Services, Inc.

WSLI—weapon surety link interface

WSMC—Western Space and Missile Center

WSMR—White Sands Missile Range

WSNSO—weather service nuclear support office

W/sr—watt per steradian

WSRA—Wild and Scenic Rivers Act (1968)

WSRS—Westinghouse Savannah River Site

WSRSG—weapon system review study group

WSS—1. weighted sum of squares 2. wide sense stationary

WSSB—weapon system safety branch

WST—work study trainee

W/st—watt per steradian

WSV—weapons storage vault

wt—weight

WT—1. water tight 2. weapons testing

wt%—weight percent

WTDC—waste tank diverter cell

WTE—warhead test environment

WTO—Warsaw Treaty Organization

WTS—Washington tactical switch

WTTV—WSMC transponder test van

WTVD—Russian acronym for Western Theater of Military Operations

WW—world war; initial-cap words when used with a number as World War II (WWII)

WWC—wire-wound calorimeter

WWMCCS—World-Wide Military Command and Control System

WWVCS—World-Wide Voice Conferencing System

WWW—world-wide web (hyper-text based multimedia environment)

WYSIWYG—what you see is what you get

X

X—reactance

XCHEM—explosive chemical

XDT—delayed detonation (sometimes called sympathetic detonation)

XGDS—exempt from general declassification schedule

XISPS—x-ray image scan processing system

X-MIBA—external microbeam analysis

X-MP—x-multiplexer-processor

XNS—Xerox network system

XPS—x-ray photoelectron spectroscopy

XRD—1. x-ray detector; 2. x-ray diode

XRL—x-ray laser

XTL—crystal

XTM-LF—x-ray tomographic microscope load frame

xu—x-unit (the siegbahn, a unit of length)

XUV—extreme ultraviolet

Y

Y—yttrium (chemical symbol)

Y-12—Oak Ridge Y-12 Plant

YAG—yttrium aluminum garnet (laser)

Yb—ytterbium (chemical symbol)

yd—yard

YIG—Yttrium Iron Garnet (laser)

YMP—Yucca Mountain Project

YOT—youth opportunity trainee

yr—year

YTD—year to date

Y-Term—Yale terminal emulator

Z

Z—atomic number

ZB—Zodiac Beauchamp

ZEG—zero energy growth

ZES—zero energy state

Zn—zinc (chemical element)

ZnS—zinc sulfide

ZOC—zone operations control

ZPPR—zero power plutonium reactor

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