

Acronyms and Abbreviations

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L

L CXR "L" Carrier Coaxial System (*e.g.*, Transcontinental Cable) - also called LCXR

L-PUMA Littoral - Precision Underwater Mapping Array

L-V-C Live-Virtual-Constructive (*e.g.*, simulation)

L/d Length to Diameter Ratio (CHAFF parameter)

LAAS Local Area Augmentation System (GPS-related)

LACE Low Power Atmospheric Compensation Experiment

LADAR Laser Detection and Ranging (*i.e.*, laser radar)

LADS Life Assessment Detector System; Laser Area Defense System (*e.g.*, using a 20 kw IR laser in conjunction with a Phalanx shipboard defense system)

LAHAT Laser homing weapon system (Germany)

LAIR Lamp-augmented Infrared

LAIRCM Large Aircraft InfraRed CounterMeasures

LALS Linkless Ammunition Loading System (U. S. Navy)

LAM Land Attack Missile; Loitering Autonomous Munition; Loitering Attack Missile

LAMARS Large Amplitude Multi-mode Aerospace Research Simulator

LAMBDA Large Aperture Marine Basic Data Array

LAMBS Large Aircraft MultiBand Source

LAMD Lightweight Airborne Mine Detection

LAMIDS Lightweight Airborne Multispectral Mine Detection System

LAMP Large Advanced Mirror Program (satellite laser); Large Aperture Mirror Program; Learning Abilities Measurement Program; Low Angle MultiPath

LAMPS Light Airborne Multipurpose System

LAN Local Area Network

LANDSAT Land remote-sensing Satellite

LANNET Large Artificial Neuron Network

LANTIRN Low Altitude Navigation Targeting Infrared for Night (System)

LAO Limited Attack Options (*e.g.*, SIOP - See also MAO, RNO, SAO)

LAPB Link Access Protocol, Balanced

LAR Launch Acceptability Region

LARC Laser Rangefinder Countermeasure

LARIAT Long-range Area Radar for Intrusion-detection And Tracking

LARS Learning and Recognition System

LAS Local Area Subsystem; Local Area Surveillance

LASAL Large Aperture Scanning Airborne **LIDAR**

LASER Light Amplification by Stimulated Emission of Radiation

LASG Large-Area Smoke Generator

LASH Littoral Airborne Sensor - Hyperspectral; Lighter Aboard Ship (ship)

LASINT Laser Intelligence

LASM Land-Attack Standard Missile

LASR Laboratory for Autonomous Systems Research (NRL)

LASS Low Altitude Surveillance System; Laser-Activated Silicon Switching

LATADS LAsEr TArgeted Decoy System

LATR Large Area Tracking Range (*e.g.*, missile range)

LAURA Low Altitude/Airspeed Unmanned Aircraft

LAV Light Armored Vehicle

LAVR Large Area Vulnerability Report

LAW Light Anti-tank Weapon; Land Attack Weapon; Light Anti-armor Weapon

LaWS Laser Weapon System (US Navy)

LAWS Land Attack Weapon System

LBAA Low Band Alternative Analysis

LBAU Low Band Antenna Unit

LBE Load Bearing Equipment (*e.g.*, for the infantryman)

LBHE Low Blast, High Exposure

LBI Long Baseline Interferometer

LBSS Low-Band Subsystem (COMINT)

LBT Low Band Transmitter

LBV Load Bearing Vest (*e.g.*, infantryman assault vest)

LBVDS Lightweight Broadband Variable-Depth Sonar

LC Inductance-Capacitance; Line of Communication; Liquid Crystal; Line Charge (explosive system); Life Cycle; Limited Capability

LC2IS Land Command and Control Information Services

LCA Life Cycle Assessment

LCAAS Low-Cost Autonomous Attack System (Usually termed "LOCAAS")

LCAC Landing Craft, Air Cushion

LCC Life Cycle Cost

LCCC Low-Cost Course Correction (*e.g.*, in small munitions guidance system)

LCCM Low Cost Competent Munitions (U.S. Army)

LCCMD Low Cost Cruise Missile Defense

LCD Liquid Crystal Display

LCDB Low Collateral Damage Bomb

LCDM Low Collateral Damage Munitions

LCE&S Life-Cycle Engineering & Support

LCES Low-Cost Expendable Sensor (*e.g.*, small floating camera tethered to a submarine below periscope depth)

LCGR Launch Control Group Replacement

LCLO Low-Cost Low-Observable (camouflage systems)

LCM Lightweight Communications Module

LCMR Lightweight Counter Mortar Radar

LCMS Laser Countermeasure System

LCN Local Computer Network

LCOS Liquid-Crystal-On-Silicon

LCPK Low Cost Precision Kill (missile)

LCS Low Cost Seeker; Loop Control System; Low Cost Sonobuoy; Littoral Combat Ship

LCSS Life Cycle Software Support; Lightweight Camouflage Screening System

LCTI Low Cost Tactical Imager

LCXR "L" Carrier Coaxial System (*e.g.*, Transcontinental Cable) - also called L CXR

LCU Lightweight Computer Unit

LD Low Density; Laser Diode

LD- MRUUV Large Displacement Mission-Reconfigurable Unmanned Undersea Vehicle

LD-UUV Large Displacement Unmanned Underwater Vehicle

LDAP Lightweight Directory Access Protocol

LDAR Lightning Detection and Ranging

LDAS Laser Detector and Analysis System

LDC Linear Demolition Charge (*e.g.*, used to clear paths through minefields and obstacles)

LDGPS Local/area Differential Global Positioning System

LDHD Low-Density, High-Demand

LDI Long-Dwell Imager (satellite); Laser Direct Imaging (*e.g.*, for NVDs)

LDMOS Laterally Diffused Metal Oxide Semiconductor

LDMX Local Digital Message Exchange (Navy)

LDR Low Data Rate (*e.g.*, multiple bandwidth communications waveforms)

LDS Laser Dazzle Sight; Leaflet Delivery System

LDTOC Light Digital Tactical Operations Center

LEA Law Enforcement Authority

LEAD Launched Expendable Acoustic Decoy; Launched Expendable Acoustic Device

LEAM Lunar Ejecta and Meteorites (*e.g.*, NASA Lunar experiment)

LEAP Lightweight Exo-Atmospheric Projectile; Leading-Edge Advanced Packages

LEASAT Leased Satellite

LECIP Life Extension and Capabilities Improvement Program (Portuguese Navy)

LED Light-Emitting Diode

LEDET Law-Enforcement Detachment (USCG *e.g.*, drug interdiction)

LEDS Land Electronic Defensive System; Land Electronic Defense System

LELFAS Long-Endurance Low Frequency Acoustic Source

LEMV Long Endurance Multi-intelligence Vehicle (U.S. Army 300-ft airship *ca* 2011)

LENSCE Limited Enemy Situation Correlation Element (data fusion)

LEO Low Earth Orbit (typical altitude < 2000 km); Law Enforcement On-line

LEP Laser Eye Protection (*e.g.*, anti-laser contact lenses); Law Enforcement Program

LER Laser Event Recorder (aviator's instant warning about potentially eye-hazardous laser activity)

LET Linear Energy Transfer (threshold); Limited Effects Technology (*e.g.*, nonlethal weapons); Logistic Escape Trunk (*e.g.*, on a submarine)

LEWC Local Electronic Warfare Coordinator

LEWK Low-cost EW Killer; Loitering EW Killer

LF Low Frequency (30 - 300 kHz); Line Feed

LFA Low Frequency Active (sonar); Local Feature Analysis (Biometrics facial recognition technology); Lead Federal Agency

LFAPS Low Frequency Active Passive Sonar

LFATS Low Frequency Active Towed Sonar

LFM Linear Frequency Modulation

LFMOP Linear Frequency Modulation On Pulse (*i.e.*, “chirp”)

LFMS Low Frequency Measurement System (used for radar cross-section measurement)

LFORM Landing Force Material

LFT Live Fire Test; Liquid Flow-Through (cooling)

LFT&E Live Fire Test & Evaluation

LFX Live Fire eXercise

LGB Laser Guided Bomb

LGE Laser Guided Energy

LGSM Light Ground Station Module

LH Light Helicopter

LHCP Left-Hand Circular Polarization

LHFT Light Helicopter Fire Team

LHGXA Lightweight High-Gain X-band Antenna (Army)

LHM Left-Handed Media

LHR Low Hop Rate

LHT Lightweight Hybrid Torpedo

LHX Family of Light Helicopters (Army)

LIC Low Intensity Conflict (Being replaced by CALO; see also CALOW)

LID Laser IRCM Development (*e.g.*, range)

LIDAR Light Detection and Ranging; Light Imaging Detection and Ranging; Laser Illumination Detection and Ranging; Laser Imaging Detection and Ranging (also LiDAR)

LIDD Lightweight Disposable Disrupter

LIFE Large Aircraft (infrared) Flyout Experiment; Laser Infrared Flyout Experiment

LIFO Last-In-First-Out

LIFT Lead-In Fighter Trainer

LightSAR Lightweight Synthetic Aperture Radar

LIGO Laser Interferometer Gravitational-wave Observatory

LIM Live Insertion Module; Lotus-Intel-Microsoft (extended memory system)

LIMAWS(R) Lightweight Mobile Artillery System (Rocket) (U.K.)

LINEAR Lincoln Near Earth Asteroid Research (program for hunting asteroids)

LIO Leadership Interdiction Operations (*e.g.*, special operations)

LIPC Laser Induced Plasma Channel

LISI Level of Information System Interoperability

LISN Line Impedance Stabilization Network

LISP List Processing (A programming language used in artificial intelligence)

LITE Laptop Image Transmission Equipment; Lightweight Integrated Telecommunications Equipment; Laser Infrared Test & Evaluation (US Army)

LITINT Literature Intelligence

LIWA Land Information Warfare Activity

LKT LookThrough

LL Low Level

LLAMA Large Latin American Millimeter Array (located in Chilean portion of the Atacama Desert)

LLAPI Low Level Air Picture Information (system) (NATO); Low Level Air Picture Interface

LLD Light Landing Device

LLDR Lightweight Laser Designator Rangefinder

LLL Low Light Level (as in "LLL TV")

LLLGB Launch and Leave Low-level Guided Bomb

LLOC Local L Order Circuit

LLTM Long-Lead-Time Materials

LME Liquid Metal Embrittlement

LMISPE Little Monopulse Information Signal Processing Element (system)

LMR Land Mobile Radio

LMRDFS Lightweight Man-transportable Radio Direction Finding System



LMRDFS Antenna

LMRS Long-term Mine Reconnaissance System

LMS Learning Management System

LMSR Large Medium-Speed RO/RO (Roll-on/roll-off ship)

LMST Lightweight Multiband Satellite communications Terminal

LMT Large Millimeter wave Telescope

LMU Location Monitoring Unit (See LMU Antenna)

LMW Littoral and Mine Warfare

LNA Low Noise Amplifier

LNB Low Noise Block

LNG Liquefied Natural Gas

LNS Logarithmic Number System (algorithm) [also EFP]

LO Low Observable; Local Oscillator; Lock-On

LOAL Lock-on After Launch

LOB Line of Bearing (See also AOA)

LOBL Lock-on Before Launch

LOC Line Of Communication

LOCA Location (of an emitted signal) on the Conic Axis

LOCAAS Low Cost Anti-Armor Submunition; Low-Cost Autonomous Attack System

LOCAITS Low Cost Airborne Interim Tracking System

LOCATES Laser Optical Countermeasures (and surveillance) Against Threat Environment Scenario (Canada/Germany – *ca* 2012)

LOCE Limited Operational Capability Europe (data fusion); Linked Operations intelligence Centers Europe (NATO)

LOCM Low Observable Cruise Missile

LOWCUSP Low Cost Uncooled Sensor Program (DARPA)

LOD Launch on Demand; Level of Detail

LODE Large Optics Demonstration Experiment

LOE Level Of Effort; Light-Off Examination; Limited Object Experiment; Limited Objective Experiment

LOF Lowest Operating Frequency

LOFAR Low Frequency Analysis; Low Frequency ARray

LogC² Logistics Command and Control

LOGAIS Logistics Automated Information System

LOGIIC Linking the Oil & Gas Industry to Improve Cyber [Security]

LOIS Laser Ordnance Initiation System

LOLA Lunar Orbiter Laser Altimeter

LOP Line Of Position (in navigation)

LOR Level of Repair; Likely Operational Range (of a missile)

LORA Level of Repair Analysis

LORO Lobe on Receive Only

LOROC Long Range Offboard Countermeasures (chaff decoy)

LOROPS Long Range Oblique Photography System; Long Range Oblique Photography Sensor

LOS Line of Sight; Launch on Schedule

LOS-F-H Line of Sight Forward, Heavy (system)

LOS-R Line of Sight, Rear (system)

LOSAT Line-of-Sight Anti-Tank (weapon)

LOSIR Line Of Sight Infrared (*e.g.*, for tactical communications)

LOSREP Loss Report (personnel or aircraft)

LOST Law Of the Sea Treaty

LOT Lockout Trunk (*e.g.*, on a submarine)

LOTAB Life Of The Airframe Battery

LOTE Life-Of-Type Extension (for acquisition programs)

LOTS Logistics Over Shore (amphibious system)

LOV Locus Of Values (held dear by an adversary); Light Operational Vehicle

LOW Launch On Warning (*e.g.*, SIOP - See also LUA)

LOX Liquid Oxygen

LP Linear Programming; Low Pressure

LPA Log-Periodic Antenna

LPAR Large Phased-Array Radar

LPC Linear Predictive Coding (data processing)

LPD Low Probability of Detection; Linear Power Density

LPE Low Probability of Exploitation

LP-FM Low Power Frequency Modulation

LPI Low Probability Intercept; Low Probability of Intercept

LPID Low Probability of Identification (*e.g.*, radar)

LPIR Low Probability of Intercept Radar

LPP IASER-Produced Plasma (*e.g.*, plasma source for transistor lithography systems - see also DPP)

LPRF Low Pulse Repetition Frequency

LPS Local Positioning System; Logistics Prepositioning Ship

LPT Line PrinTer (*e.g.*, "LPT1 printer port"); Logistic Plug Trunk (*e.g.*, on a submarine)

LPTA Lowest Price Technically Acceptable

LPU Limited Procurement Urgent

L-PUMA Littoral - Precision Underwater Mapping Array

LQM Link Quality Monitor

LRA Local Registration Agent (*e.g.*, in DoD Public Key Infrastructure (PKI) program - *ca* 2005)

LRAD Long-Range Acoustic Device (*e.g.*, Protective device - 150 db "bangs" to deter attackers of large ships)

LRAP Long Range Land Attack Projectile

LRAS³ Long-Range Advanced Scout Surveillance System

LRASM Long-Range Anti-Ship Missile

LRCR Long Range Countermeasures Rocket; Long Range Chaff Rocket (Australia)

LRCSW Long Range Conventional Standoff Weapon

LRE Launch and Recovery Element

LRF Laser Range Finder

LRI Limited Range Intercept; Long Range Interceptor (*e.g.*, boat carried on USCG Maritime Security Cutter)

LRIP Low Rate Initial Production

LRIR Long Range Imaging Radar

LRIT Long-Range Identification and Tracking System (*e.g.*, for tracking merchant ships)

LRLAP Long-Range Land-Attack Projectile

LRM Line Replaceable Module

LRMTS Laser Ranger and Marked Target Seeker (U.K.)

LRR Least Resistance Routing (networks)

LRRP Long Range Reconnaissance Patrol

LRS Littoral Remote Sensing; Laser Radiometer System

LRS&T Long-Range Surveillance and Track (*e.g.*, ship SPY-1 system, *ca* 2003)

LRST Laser Range Safety Tool (computer simulation for range safety in HEL reflection hazard analyses)

LRTP Local Radar Track Processor

LRU Line Replaceable Unit

LS Landing System

LS3 Legged Squad Support System (*e.g.*, an unmanned ground vehicle (UGV) resembling a headless horse *ca* 2013)

LSAH Laser Semi-Active Homing

LSAR Logistic Support Analysis Record

LSB Least Significant Bit; Lower Sideband

LSE Large Scale Exercise (USMC)

LSEOS Lightweight Shipboard Electro-Optical Surveillance (system, *circa* 1980); Lightweight Shipboard Electro-Optical fire control and Surveillance (*circa* 2005)

LSI Large Scale Integration; Lead System Integrator (*e.g.*, among contractors)

LSM Littoral Sea Mine

LSPR LAIRCM System Processor Replacement

LSRS Language and Speaker Recognition System

LSS Littoral Surveillance System

LSTAT Life Support for Trauma and Transport (litter)

LSTP Linear Search/Track Processor

LSV Large Scale Vehicle (*e.g.*, unmanned submarine)

LSVR Logistic Vehicle System Replacement (program)

LT Look-Through; Line Telecommunications; Laptop (computer); Light; Lieutenant

LTA Lighter-Than-Air; Light Transport Aircraft

LTC Long Time Constant

LTD Laser Target Designation; Laser Target Designator

LTD/R Laser Target Designator/Ranger

LTDS Light-Duty Twin Sweep (minesweeping)

LTE Low-cost Training Equipment (as in RWR-LTE); Long-Term Evolution (*e.g.*, disaster management)

LTH Light Towed Howitzer

LTL Less-than-lethal

LTM Laser Trapped Mirror (*e.g.*, for space telescope)

LTO Linear Tape Open (tape format)

LTS LASAS Tactical Switch

LTWS Lightweight Thermal Weapon Sight

LTWTA Linear Traveling Wave Tube Amplifier

LUA Launch Under Attack (*e.g.*, SIOP - See also LOW)

LUF Lowest Usable Frequency

LUH Light Utility Helicopter (South Africa)

LUHF Lowest Usable High Frequency

LUT Limited User Test; Look-Up Table (*e.g.*, in digital-to-analog converters)

L-V-C Live-Virtual-Constructive (*e.g.*, simulation)

LVC Live-Virtual-Constructive

LVDS Low Voltage Differential Signaling (ASIC circuitry)

LVIS Laser Vegetation Imaging Sensor

LVOSS Light Vehicle Obscuration Smoke System

LVP Low Voltage Protection

LVPS Low Voltage Power Supply

LVRS Lightweight Video Reconnaissance System

LVSR Logistics Vehicle System Replacement

LVT Low Volume Terminal (*e.g.*, for data links - also known as MIDS/LVT)

LW Limited War (Level of Conflict); Land Warrior (system); Lightweight (system)

LWAB Lightweight Assault Boat

LWD™ Littoral Warfare Data

LWR Laser Warning Receiver

LWIM Low-power Wireless Integrated Microsensor

LWIR Long Wavelength Infrared; Long-Wave Infrared

LWPDD LightWeight Personal Detection Device

LWR Laser Warning Receiver

LWRS Laser Warning Receiver System

LWS Laser Warning System; Local Warning Segment (*e.g.*, of GBAD)

LWS-CV Laser Warning System for Combat Vehicles

LWSD Laser Weapon System Demonstrator

LWT Light-Weight Torpedo

LXI LAN Extensions for Instrumentation

LZ Landing Zone