

ADD	Architecture Description Document
AGN	Active Galactic Nuclei
AGU	American Geophysical Union
AIUB	Astronomical Institute of Berne (Switzerland)
ASI	Agenzia Spaziale Italiana (Italian Space Agency)
ATO	Authority to Operate
BIPM	International Bureau of Weights and Measures
BKG	Bundesamt für Kartographie und Geodäsie (Germany)
C	Consequence
C&DH	Command and Data Handling
CB	Central Bureau
CBE	Current Best Estimate
CCB	Configuration Control Board
CCR	Configuration Change Request
CDDIS	Crustal Dynamics Data Information System (USA)
CDRL	Contract Data Requirements List
CfA	Center for Astrophysics (USA)
CFR	Code of Federal Regulations
CM	Configuration Management
CNES	Centre National d'Etudes Spatiales (France)
CoM	Center of Mass
COMSEC	Communications Security
CONOPS	Concept of Operations
CONUS	Continental United States
COR	Contracting Officer's Representative
COTS	Commercial Off-the-Shelf
CSO	Chief Safety and Mission Assurance Officer
CTRS	Conventional Terrestrial Reference System
DCN	Document Change Notice
DGFI	Deutsches Geodätisches Forschungs Institut (Germany)
DORIS	Doppler Orbitography and Radiopositioning Integrated by Satellite
DPM	Deputy Project Manager
DIS	Data Information Services
DR	Discrepancy Report
EAR	Export Administration Regulation
EDC	European Data Center
EET	End-to-End Test
EGU	European Geophysical Union
EOP	Earth Orientation Parameter
EOS	Earth Observing System (USA)
EOSDIS	Earth Observing System Data and Information System (USA)
EPR	Engineering Peer Review
ERP	Earth Rotation Parameter
ESA	European Space Agency
ESD	Earth Science Directorate
ESDIS	Earth Science Data and Information System (USA)

ESOC EVM	ESA Space Operations Center Earned Value Management
FAA FAD FAL FAR FAT FIR FPGA FTE FWHM FY	Federal Aviation Administration Formulation Authorization Document Formulation Authorization Letter Factory Acceptance Test Final Acceptance Review Finite Impulse Response Field Programmable Gate Array Full Time Equivalent Full width half max Fiscal Year
GA GFE GFZ GGAO GGN GGOS GLONASS GMSEC GNSS GPD GPR GPS GSFC GSMO GTA	Geoscience Australia Government Furnished Equipment GeoForschungsZentrum (Germany) Goddard Geophysical and Astronomical Observatory (USA) Global GNSS Network Global Geodetic Observing System Global'naya Navigatsionnaya Sputnikovaya Sistema Goddard Mission Services Evolution Center Global Navigation Satellite System Goddard Policy Directive Goddard Procedural Requirements Global Positioning System Goddard Space Flight Center (USA) Ground Systems and Mission Operations Contract Gimbal and Telescope Assembly
HEO HQ HQ	High Earth Orbiting Headquarters NASA Headquarters
I&T IAG IBR ICD ICMP ICPO ICRF ICRS IDIQ IDS IERS IGN IGN IGS IGSOC IHCE IIRT ILRS	Integration and Test International Association of Geodesy Integrated Baseline Review Interface Control Document Information / Configuration Management Plan International Coordination and Partnership Office International Celestial Reference Frame International Celestial Reference System Indefinite Delivery Indefinite Quantity International DORIS Service International Earth Rotation and Reference Systems Service Institut Geographique National (France) Instituto Geográfico Nacional (Spain) International GNSS Service Integrated Geodetic Site Operations Center In-House Cost Estimate Integrated Independent Review Team International Laser Ranging Service

IMS	Integrated Master Schedule
I/O	Input / Output (aka IO)
IPT	Integrated Product Team
IRB	Independent Review Board
IRD	Interface Requirements Document
IT	Information Technology
ITAR	International Traffic in Arms Regulations
ITRF	International Terrestrial Reference Frame
ITRS	International Terrestrial Reference System
IUGG	International Union of Geodesy and Geophysics
IVS	International VLBI Service for Geodesy and Astrometry
JAXA	Japan Aerospace Exploration Agency
JCET	Joint Center for Earth Systems Technology (USA)
JCL	Joint Cost and Schedule Confidence Level
JPL	Jet Propulsion Laboratory (USA)
KDP	Key Decision Point
KEOF	Kalman Earth Orientation Filter
kHz	kiloHertz
KPGO	Kōke'e Park Geophysical Observatory
L	Likelihood
LAGEOS	LAser GEOdynamics Satellite
LCC	Life Cycle Cost
LCCE	Life Cycle Cost Estimate
LEO	Low Earth Orbiting
LLC	Lessons Learned Committee
LLR	Lunar Laser Ranging
LNA	Low Noise Amplifier
LOD	Length Of Day
LOE	Level of Effort
LOLA	Lunar Orbiter Laser Altimeter
LR	Laser Ranging
LRA	Laser Ranging Retroreflector Array
LRO	Lunar Reconnaissance Orbiter
LRO-LR	Lunar Reconnaissance Orbiter Laser Ranging
MA	Mission Assurance
MAR	Mission Assurance Requirement
MASER	Microwave Amplification by Stimulated Emission of Radiation
MCD	McDonald Observatory
MCI	Monitor and Control Infrastructure
MCP	MicroChannel Plate PMT
MCR	Mission Concept Review
MDR	Mission Definition Review
MET	Meteorological
MGO	McDonald Geodetic Observatory
MIL	Military
mJ	milliJoule
MLRS	McDonald Laser Ranging System (USA)
mm	millimeter

MOBLAS	MOBile LASer Ranging System
MOR	Mission Operations Review
mR	milliRadian
MSO	Mission Support Office
MSR	Monthly Status Review
NASA	National Aeronautics and Space Administration (USA)
NGO	Ny-Ålesund Geodetic Observatory
NGSLR	Next Generation Satellite Laser Ranging
NHB	NASA Handbook
NOA	New Obligation Authority
NOAA	National Oceanic and Atmospheric Administration (USA)
NOC	Network Operations Center
NPD	NASA Policy Directive
NPR	NASA Procedural Requirement
NPT	Normal Point
NRC	National Research Council
NRL	U.S. Naval Research Laboratory
NSGN	NASA Space Geodesy Network
O&M	Operations and Maintenance
OEM	Next Generation GPS Ground Segment for Air Force
OCX	Original Equipment Manufacturers
OGA	Other Government Agency
OMB	Office of Management and Budget
OPSEC	Operational Security
ORR	Operational Readiness Review
PDR	Preliminary Design Review
PFB	Polyphase Filterbank
PI	Photonics Industries
PLRA	Program Level Requirements Appendix
PM	Project Manager
PMT	PhotoMultiplier Tube
POC	Point of Contact
POD	Precision Orbit Determination
PPBE	Program Planning and Budget Execution
PPS	Pulse Per Second
PR	Purchase Request
ps	picoseconds
PSR	Pre-Shipment Review
PTR	Periodic Technical Review
QRFH	Quad Ridge Flared Horn
QSR	Quarterly Status Review
RCE	Range Control Electronics
RDBE	ROACH Digital Back End
Rep	Repetition
RF	Radio Frequency
RFA	Request For Action
RFI	Request for Information

RFP	Request for Proposal
RINEX	Receiver Independent Exchange format
RMA	Reliability, Maintainability and Availability
RMS	Root Mean Square
ROACH	Reconfigurable Open Architecture Computing Hardware
RTM	Requirements Tractability Matrix
RTS	Robotic Total Station
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S&MA	Safety and Mission Assurance
SAO	Smithsonian Astrophysical Observatory (USA)
SAR	System Acceptance Review
SAT	Site Acceptance Test
SATERN	System for Administration, Training, and Educational Resources for NASA
SCNS	Space Communications Network Services Contract
SE	Systems Engineering
SE&I	Systems Engineering and Integration
SEFD	System Equivalent Flux Density
SEMP	System Engineering Management Plan
SENSE	Space Exploration Network Services and Evolution Contract
SG	Space Geodesy
SGN	Space Geodesy Network
SGNOC	Space Geodesy Network Operations Center
SGP	Space Geodesy Project
SGSLR	Space Geodesy Satellite Laser Ranging
SGT	Stinger Ghaffarian Technologies, Inc. (USA)
SI&T	System Integration and test
SINEX	Software Independent Exchange Format
SLR	Satellite Laser Ranging
SMAP	Safety and Mission Assurance Plan
SMD	Science Mission Directorate
SME	Subject Matter Expert
SMP	Software Management Plan
SOW	Statement of Work
SP3	Standard Product 3 (satellite orbit format)
SQAP	Software Quality Assurance Plan
SRD	System Requirements Document
SRIF	Square-root information filter
SRO	Systems Review Office
SRR	Systems Requirements Review
SSRx	SigmaSpace Receiver
STD	Standard
STE	Support and Test Equipment
STOP	Structural, Thermal, Optical
SWC	Software Correlator
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TBD	To Be Determined
TBS	To Be Supplied
TLRS	Transportable Laser Ranging System
ToR	Terms of Reference
T/R	Transmit / Receive
TRF	Terrestrial Reference Frame
TRL	Technology Readiness Levels

UFE	Unallocated Future Expenses
ULE	User Local Equipment
UMBC	University of Maryland Baltimore County (USA)
USNO	United States Naval Observatory
UT1	Universal Time
V&V	Verification and Validation
VGOS	VLBI Global Observing System
VLBI	Very Long Baseline Interferometry
VTS	Vector Tie System
WBS	Work Breakdown Structure