

GNSS ABBREVIATIONS AND ACRONYMS

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[A](#)

A	Analysis
A-J or A/J	Anti-Jamming
A-S	Anti-Spoofing
AAIM	Aircraft Autonomous Integrity Monitoring
ABS	Anti Blocking System
AC	Address Circular
ACI	Action Item Clarification
ACK	Acknowledgment
AD	Applicable Document
ADAS	Advanced Driving Assistance System
AD/R	Architectural Design Review
ADD	Architectural Design Document
ADP	Acceptance Data Package
AENA	Aeropuertos Españoles y Navegación Aérea (Spain)
AES	Analysis & Evaluation Segment or Advanced Encryption Standard
AFCL	Air Force Cambridge research Laboratory
AHRS	Altitude Heading Reference System
AIM	Advanced Interference Mitigation (technology)
AIR	Inspection Aircraft & Independent Positioning
AIS	Automatic Identification System or Automated Information System
AIV	Assembly, Integration and Verification
AIVP	Assembly, Integration and Verification Plan
AL	Alert Limit
AltBOC	Alternace Bojary Offset Carrier
ANBF	Adaptive Narrow Band Filter
AOC	Advanced Operational Capability
AOR	Atlantic Ocean Region
AOR-E	AOR Est
AOR-W	Atlantic Ocean Region-West (INMARSAT III satellite)
AP	Auto Pilot or Access Point
API	Application Programmes Interface
A-PRS	Assisted
APV(-I)	Approach Procedure/Operations with Vertical Guidance
AQUA	Appropriately Qualified Authority
ARAIM	Advanced Receiver/Ranging Autonomous Integrity Monitoring
ARINC	Aeronautical Radio, INC
ARN(S)S	Aeronautical Radio Navigation (Satellite) Services
ARP	Address Resolution Protocol

ARTEMIS	Advanced Relay and Technology Mission Satellite
ARTES	Advanced Research in TELEcommunication Systems
ASE	Agence Spatiale Europeenne
ASIC	Application/Algorithm Specific/Specified Integrated Circuit/Chip or Advanced System Integrated Circuit
ASMKS (CZE)	Automatizovaný Systém Monitorování Kmitočtového Spektra
ASQF	Application Specific Qualification Facility
ASQFRD	ASQF Requirements Document
AT	Acceptance Testing
ATC	Air Traffic Control
ATL	Approval To Launch or Authorization To Launch
ATM	Air Traffic Management or Asynchronous Transfer Mode
ATS	Air Traffic Services
ATSP	ATS Providers
AWOP	All Weather Operations Panel

B

Baro	Barometric altitude
BAFO	Best And Final Offer
BBKME	Black Box Key Management Equipment
BER	Bit Error Rate
BG	Battle Group (bojové uskupení)
BGD	Broadcast Group Delay
BGP	Border Gateway Protocol
BIH	Bureau International de l'Heure
BIPM	Bureau International des Poids et Mesures
BITE	Built In Test Equipment
BIOS	Basic Input/Output System
BME	Bandwidth Manager Equipment
BOC	Binary Offset Carrier
BPF	Band Pass Filter
Bps	Bit per second
BPS	Boundary Protection Services
BPSK	Bipolar Phase Shift Key or Binary Phase Shift Keying
BSDR	Baseline System Design Review
BSDR-C	Consolidated BSDR
BSSC	Board for Software Standardization & Control
BW	Band Width

C

C	Compliant or Confidential
C&M	Control & Monitoring
C/A	Coarse Acquisition
C/S	Cospass/Sarsat

C1	C-band uplink frequency (C1 = 6,4 GHz)
C2	C-band downlink frequency (C2 = 3,6 GHz)
CAA	Civil Aviation Authority or Crypto Approval Authority
CAASD	Centre for Advanced Aviation System Development
CADM	Configuration And Data Management
CAPEX	Capability Expenditures
CAS	Controlled Access Service
CAT-1	Category 1 Precision Approach Phase of Flight
CAT-2	Category 2 Precision Approach Phase of Flight
CBCS	Coordination Baseline Configuration Status
CBR	Constant Bit Rate
CBS	Cost Breakdown Structure
CC	Configuration Control or Core Computer or Common Criteria
CCB	Change Configuration Board or Configuration Control Board
CCF	Central Control Facility
CCI	Communications Control Interface or Cryptographic Controlled Item
CCITT (FRA)	Comite Consultatif International Telegraphique et Telephonique (International Telephone and Telegraph Consultative Committee)
CCN	Contract Change Notice
CCTV	Closed Circuit Television
CDA	Crypto Distribution Authority
CDI	Course Deviation Indicator
CDMA	Code Division Multiple Access
CDR	Critical Design Review
CE	Communication Equipment
CEU	Commission of the European Union
CFI	Customer Furnished Item
CFIT	Controlled Flight Into Terrain
CFSP	Common Foreign and Security Policy
CHA	Channel of High Accuracy
CI	Configuration Item or Controlled Item (také CCI) or Critical Infrastructure
CIDL	Configuration Items Data List
CIL	Critical Items List or Configuration Items List
CIO	Conventional International Origin
CIP	Critical Infrastructure Protection
CIS	Communication and Information Systems
CIWIN	Critical Infrastructure Warning Information Network
CL	Client representative
CM	Compliant Multiple or Configuration Manager or Configuration Management
CMO	Configuration Management Office
CMP	Configuration Management Plan
CMT (FRA or ENG)	Centre de Mission et Traitement (Euridis) or Commissioning and Maintenance Terminal

CMS	Common Minimum Standards
CN	Change Notice
CNES	Centre National d'Etudes Spatiales
CNMS	Communication Network Management System
CNS	Communications Navigation & Surveillance
CO	Change Order
COC	Certification Of Conformance
COMSEC	Communications Security
CONOPS	Concept of Operations
COREPER (FRA)	COmité de REprésentants PERmanents (EU Council)
COQ	Certification of Qualification
COSPAS (RUS)	
COS	Continuity Of Service
COTS	Commercial Off The Shelf
CPF	Central Processing Facility
CPU	Central Processing Unit
CR	Change Request
CRB	Change Review Board
CRC	Cyclic Redundancy Check
CRD	Certification Requirements Document
CRPA	Controlled Reception/Radiation Pattern Antenna
CS	(Galileo) Commercial Service
CSA	Channel of Standard Accuracy
CSAR	Configuration Status Accounting Report
CSC	Council Security Committee (EU) or Cospass-Sarsat Council
CSE	Community Security Environment
CSI	Containment Surface Incident or Compatibility, Signal and Interoperability (WG)
CSP	Communications Service Provider
CSU	Channel Service Unit
CUI	Controlled Unclassified Information
CW	Continuous Wave

[D](#)

D	Demonstration
D&E	Demonstration and Evaluation
DAE	Digital Antenna Electronics
DAGR	Defense Advanced GPS Receiver
DAL	Development Assurance Level
DASS	Distress Alert(ing) Satellite System
DAT	Digital Audio Tape
DB	Data Base

DCN	Document Change Notice
DCU	Display & Control Unit
DD	Detailed Design
DD/R	DD Review
DDD	DD Document
DDF	Design Definition File
DDKP	DD Key Point
DDVP	Design Development and Validation Plan
DFS (GER)	Deutsche Flugsicherung GmbH
DGAC (FRA)	Direction Generale Aviation Civile
DGPS	Differential GPS
DG TREN	Directorat-General Energy and Transport
DH	Decision Height
DIL	Deliverable Items List
DJF	Design Justification File
DLL	Delay Lock Loop (smyčka sledování zpoždění)
DLR (GER)	Deutsche forschungsanstalt fur Luft- und Raumfahrt e.v.
DMA	Direct Memory Access
DME	Distance Measuring Equipment (aviation navigation equipment)
DMZ	Demilitarized Zone (IT – zabezpečení LAN proti přístupu z vnějšku)
DoC	Depth of Coverage
DoD	Department of Defence (US)
DOP	Dilution Of Precision
DOT	Department Of Transport
DPU	Data Processing Unit
DR	Design Review
DRACAS	Data Recording Analysis and Corrective Action System
DRAIM	Differential RAIM
DRD	Document Requirements Description
DRL	Documentation Requirements List
DRMS	Distance Root Mean Square
DRR	Detailed Design Review
DRU	Data Replaceable Unit
DSA	Designated Security Authority
DSPU	Digital Signal Processing Unit
DSRC	Dedicated Short Range Communications
DSS	Design Simulation Segment
DSU	Data Service Unit
DVP	Development Verification Platform
DVPRD	DVP Requirements Document
E	
EAL	Evaluation Assurance Level (0-7)
EC	European Commission

ECAC	European Civil Aviation Conference
ECDIS	Electronic Chart Display and Information System
ECEF	Earth Centered Earth Fixed
ECI	European Critical Infrastructure
ECO	Engineering Change Order
ECP	Engineering Change Proposal
ECR	Engineering Change Request
ECRB	External Change Review Board
ECS	Electronic Chart System
ECSC	European Coal and Steel Community
ECSS	European Cooperation for Space Standardisation
EDA	European Defence Agency
EDAS	EGNOS Data Access System/Server
EDP	EGNOS ILD Documentation Plan
EEC	European Economic Community
EEE	Electrical Electronic Electromechanical
EETES	EGNOS End To End Simulation
EFC	Electronic Fee Collection
EGEP	European GNSS Evolution Programme
EGN	EGNOS
EGNOS	European Geostationary Navigation Overlay Service
EIDP	End Item Data Package
EIRP	Equivalent Isotropic Radiated Power
EISC	European Interparliamentary Space Conference
EKMS	Electronic Key Management System
EL	Elevation
ELT	Emergency Location Terminal
EMI	Electromagnetic Interference
EMC	Electromagnetic Compatibility
EMCA	European Maritime Core Area
EMP	EGNOS Maintenance Plan
EMRF	European Maritime Radionavigation Forum
EMS	EGNOS Message Server
ENAV	Ente Nazionale di Assistenze al Volo (Italy)
ENMA	EGNOS Network Management Application
ENMC	EGNOS Network Monitoring & Control
ENT	EGNOS Network Time
EOC	End of Contract
EOD	End of Deployment
EOIG	EGNOS Operators and Infrastructure Group
E-OTD	Enhanced-Observed Time Difference
EOY	End of the Year
EPCIP	European Programme for Critical Infrastructure Protection
EPIRB	Emergency Position Indicating Radio Beacon

EPO	EGNOS Project Office
EPROM	Erasable and Programmable Read Memory Only
EPUE	EGNOS Prototype User Equipment
EPUERD	EPUE Requirements Document
ERA	Emergency Response in case of Accidents
ERAM	EGNOS Requirements Allocation Matrix
ERIS	External Regional Integrity System/Service
ERNP	European RadioNavigation Plan
ERTMS	European Rail Traffic Management System
ESA	European Space Agency
ESA-CST	ESA Centre Spatial de Toulouse
ESA HQ	ESA Headquarters Paris
ESCC	External Satellite Control Centre
ESDP	European Security and Defence Policy
ESDV	Early System Demonstration & Verification (activities)
ESE	Electronic Security Environment
ESM	Electronics Support Measures
ESNP	European Satellite Navigation Programme
ESRRD	EGNOS Standard Receiver Document
ESSF	EGNOS System Simulation Facility
ESSP	European Satellite Service Provider (EGNOS)
ESTB	EGNOS System Test Bed
ESTEC	European Space Research and Technology Centre (Noordwijk)
ESVS	EGNOS Service Volume Simulator
ETE	Engineering Tool Environment
ETFM	Early Trials Final Meeting
ETG	European Tripartite Group
ETMS	EGNOS Transport Management System
ETS	Early Test System
EVP	EGNOS Verification Plan
EU	European Union
EUCI	EU Classified Information
EUMS	EU Military Staff
EURATOM	European Atomic Energy Community
EUROCAE	European Organisation for Civil Aviation Equipment
Eurocontrol	European Organisation for the Safety of Air Navigation
EUSR	EU Special Representative
EW	Electronic Warfare
EWAN	EGNOS Wide Area Network
EWG	Expert Working Group
F	
FAA	Federal Aviation Administration
FAF	Final Approach Fix

FANS	Future Air Navigation Systems
FAR	Final Architecture Review or faktory/Final Acceptance Review
FDDI	Fibber Distributed Data Interface
FDE	Failure Detection and Exclusion
FDI	Failure Detection and Isolation
FDIR	Failure Detection , Isolation and Recovery
FDMA	Frequency Division Multiple Access
FDS	Flight Director System
FEC	Forward Error Correction
FECF	Front End Communication Processor
FEE	(EWAN) Front End Equipment
FF	Form Factor (of the PRS receiver)
FFT	Fast Fourier Transform
FIR	Flight Information Region
FIVP	Factory Integration Validation Plan
FKC	Flight Key Cell
FL	Flight Level
FLL	Frequency Lock Loop (kmitočtový závěs)
FLS	Forward Link System
FMAP	Failure during Miss Approach Procedure
FMECA	Failure Mode Effects & Criticality Analysis
FMS	Flight Management System or Foreign Military Sales
FOA	Frequency Of Arrival
FOC	Full Operational Capability
FOCTF	FOC Transition File
FORTRESS	FORge of Tamper-RESistant Security module
FP	Framework Programme
FQP	Factory Qualification Plan
FQR	Factory Qualification Review
FR(GO)	Frame Relay (Global Operators)
FSC	Facility Security Clearance
FTA	Fault Tree Analysis
FTE	Flight Technical Error or Full Time Equivalent
FTP	File Transfer Protocol
FTPS	Secure FTP
FTRR	Factory Test Readiness Review
FW	Firewall
FWD	Forward
<u>G</u>	
3G	Third Generation
G/S	Ground Segment
GACF	Ground Assets Control Facility
GAGAN	GPS-Aided GEO-Augmented Navigation

GalSEC	Phase A contract study (Consortium of Indra, ESYS and FDC)
GALSEE	GALILEO Security Evaluation Equipments
GANTT	Chart and Project Schedule (Time and Task)
GAS	Government Access Service
GAT	GSA Accreditation Team
GATE	German facility for early Galileo demonstrations in real environment
GBA	Geostationary Broadcast Area
GBAS	Ground Based Augmentation System
GCS	Ground Control System
GEO	Geostationary Earth Orbit or INMARSAT Geostationary satellite
GEOLUT	GEO Local User Terminal
GCC	Ground Control Centre or Galileo Control Centre
GDDN	Global Documentation and Distribution System or Galileo Data Dissemination Network
GGTO	GPS Galileo Time Offset
GIC	Ground Integrity Channel/Concept
GIOVE	Galileo In-Orbit Validation Element
GIP	Galileo Interinstitutional Panel
GIS	Geographic Information System
GISS	Galileo Interim Support Structure
GIVD	Grid Ionospheric Vertical Delay
GIVE	Grid Ionospheric Vertical Error
GJU	Galileo Joint Undertaking
GKMF	Galileo Knowledge Management Facility
GLONASS (RUS)	GLOBAL Navigation Satellite System (GLOBAL'naja NAVigacionnaja Sputnikovaja Sistěma)
GMES	Global Monitoring for Environment and Security
GMDSS	Global Maritime Distress and Safety System
GMRD	Galileo Mission Requirements Document
GMS	(Galileo) Ground Mission System/Segment or Global Monitoring System or Ground Monitoring Segment
GNAV	Galileo Navigation Message (type G)
GNOS	Geostationary Navigation Overlay Service
GNS	Galileo Navigation Signal
GNSS	Global Navigation Satellite System
GNSS-1	GNSS First Generation
GNSS-SB	GNSS Security Board
GNSS-P	GNSS Panel (ICAO)
GOAL	Phase A contract study (Consortium of Thales, EADS, Telespazio, AAS and LogicaCMG)
GOC	Galileo Operating Company or Galileo Open and Commercial (Service Centre)
GPRS	General Packet Radio Services
GPS	Global Positioning System
GPUO	Galileo Participants Use Only

GRAIM	Ground RAIM
GRAM	GPS Receiver Application Module
GRC(-P)	Ground Receiver Chain (PRS) or Galileo Reference Chain (-PRS)
GRS	Geostationary Ranging Stations or Geostationary Ranging System
GRS-H	GRS – Hartebeeshoek, South Africa
GRS-K	GRS – Kourou, Guyana
GRS-S	GRS – Singapore
GRS-T	GRS – Toulouse, France
GRSP	Geodetic Reference Service Provider
GS	Ground Speed or Ground Segment
GSA	(European) GNSS Supervisory Authority
GSA/SC	GSA Security Centre
GSA/SD	GSA Security Department
GSAP	Galileo Security Accreditation Plan/Programme/Panel
GSAS	Galileo Security Accreditation Strategy
GSASS	GSA Security Support
GSB	Galileo Security Board
GSBAS	Geostationary Satellite Based Augmentation System
G-SBAS	Geostationary-Satellite Based Augmentation Systems
GSC	(Galileo) Ground Control System or Galileo Steering Committee/Security Committee
GSC	GNSS Security Centre or General Secretariat of the (EU) Council
GSCN	Ground Segment Communication Network
GSE	Global Security Environment
GSF	Galileo Security Facility
GSM	Global System for Mobile communications
GSMC	Galileo Security Monitoring Centre (a part of the GSC) or GNSS Security Monitoring Centre
GSRD	Ground Segment Requirements Document
GSS	Galileo Sensor Station
GSSM	Galileo System Status Message
GSSF	Galileo System Simulation Facility
GST	Galileo System Time
GSTB	Galileo System Test Bed
GSVF	Ground Segment Verification Facility or Galileo System Validation Facility
GSVP	Ground Segment Verification Plan
GTR(F)	Galileo Terrestrial Reference (Frame)
GTSP	Galileo Time Service Provider
GUF	Galileo User Forum
GUI	Graphical User Interface
GVM (RUS)	Gabaritno-Vesovoj Maket
GW	GateWay
GWAN	Galileo WAN

Gyro Gyroscope

H

H Horizontal
H/W Hardware
HAL Horizontal Alarm Limit
HDI Heading
HDLC High Level Data Link Control
HDOP Horizontal Dilution Of Precision
HDU Hard Disk Unit
HE Hosting Entity or High-End (PRS receiver)
HERD Harmonised Element Requirements Document
HID Hazardous Invalid Data
HLD High Level Definition/Description (Document)
HMI Hazardous Misleading Information
HOIS Hostile Intelligence Service
HOW Hand Over Word
HPA High Power Amplifier
HPE Horizontal Position Error
HPL High Precision Landing or Horizontal Protection Level or Horizontal Protection Limit
HPPS High Precision Positioning Service
HR High Representative (Eur. Council)
HTTP Hyper Text Transfer Protocol
HTTPS Secure HTTP
HUNE Horizontal User Navigation Error
HV Host Vehicle
HVAC Heating, Ventilation and Air Conditioning
HW Hardware
HWE Hardware Engineer

I

I Inspection
I/F Interface
I/O Input/Output
I/S Interference / Signal
IA Information Assurance
IATO IOV Approval to Operate
IALA International Association of Lighthouse Authorities
IAP Interoperability Action Plan
IAR Infrastructure Acceptance Review
ICAO International Civil Aviation Organisation
ICB Interface Control Board
ICC Integrity Control Centre

ICD	Interface Control Document
ICG	(UN) International Committee on GNSS
ICMP	Internet Message Control Protocol
ICO	Intermediate Circular Orbit
ICRB	Internal Change Review Board
ICT	Information Communication Technology
ICU	Interference Combiner Unit
IDEF0	Integrated Design Functional model
IDS	Intrusion Detection System
IER	Information Exchange Requirement(s)
IERS	International Earth Rotation Service
IF	Intermediate Frequency or Integrity Flag
IFF	Identifier Friend (or Foe)
IGP	Ionospheric Grid Points
IGS	International GPS Service for Geodynamics
IKD	In Kind Delivery
IL	Impact Level
ILRS	International Laser Ranging Service
ILS	Instrument Landing System or Integrated Logistics Support
IMO	International Maritime Organisation
IMS	Integrity Monitor Station
IMU	Inertial Measurement Unit
INC	Inmarsat Navigation Center
INMARSAT	International MARitime SATellite
INS	Inertial Navigation System
IOC	Initial Operational Capability
IOD	Issue Of Data or Issuance Of Data
IODC	Issuance Of Data Clock
IODE	Issuance Of Data Ephemeris
IODI	Issuance Of Data Ionosphere
IODP	Issuance Of Data PRN
IOP	Initial Operations Phase
IOR	INMARSAT III – Indian Ocean Region
IOS	Internal Organizational Scheme
IOT	In-Orbit Test(ing) or Initial Operational Test or Input/Output Test or In Order To
IOV	In-Orbit Validation
IOV(R)R	IOV(Readiness)Review
IP	Internet Protocol
IPF	Integrity Processing Facility
IPP	Ionospheric Pierce Point
IPR	Intellectual Property Rights
IR	Interim review or InfraRed
IRD	Interface Requirements Document

IRP	Invitation to submit Refined Proposal
IRS	Inertial Reference System
ISDN	Integrated Services Digital Network
ISNS	International Satellite Navigation System
ISO	International Organisation for Standard
ISOP	In Service Operations Phase
ISRO	Indian Space Research Organization
ISU	Interference Supression Unit
ISVV	Independent Software Verification and Validation
IT	Integration Trstiny or Information Technology
ITRF	International Terrestrial Reference Frame
ITRS	International Terrestrial Reference System
ITSEC	IT Security Evaluation Criteria
ITSEM	IT Security Evaluation Metodology
ITSEF	IT Security Evaluation Facility
ITT	Invitation To Tender
ITU	International Time Unit or International Telcommunications Union
IULS	Integrity ULS

[J](#)

J/S	Jammer to Signal ratio
JAA	Joint Aviation Authorities
JAR	Joint Airworthiness Requirement
JCB	Joint Communications Board (ESA)
JIMS	Jamming and Interface Monitoring System
JTC	Joint Tripartite Committee
JTIDS	Joint Tactical Information Distr ibution System
JTSO	Joint Technical Standing Orders
JU	Joint Undertaking

[K](#)

Kbps	Kilobits per second
kiB	kibibyte (1024 bytů, dle ČSN IEC 60027-2)
KDP	Key Data Processor
KMF	Key Management Facility
KO(M)	Kick-Off(Meeting)
KPI	Key Performance Indicator

[L](#)

L1	L1-GPS frequency (L1 = 1575,42 MHz)
L2	L2-GPS frequency (L1 = 1227,2 MHz)
LAAS	Local Area Augmentation System
LAD	Local Area Differential

LADGPS	Local Area Differential GPS
LAN	Local Area Network
LAPB	Link Access Procedure for Balanced circuits
LBS	Location Based Services
LE	Low-End (PRS receiver)
LEO	Low Earth Orbit
LEOLUT	LEO Local User Terminal
LEOP	Lunch and Early Orbit Phase
LHC	Left Hand Circular
LHCP	Left Hand Circular Position
LIP	Location Information Protocol
LMP	Logistic Management Plan
LNA	Low Noise Amplifier
LO	Local Oscillator
LOC	Line Of Code
LORAN	LOng RAnge Navigation
LPV	Localizer Performance with Vertical (guidance) or Lateral-Precision with Vertical (guidance)
LRU	Line Replaceable Unit
L(/)S	Local Segment
LSA	Logistic Support Analysis
LSAA	Local Security Accreditation Authority
LSAP	Local Sites Accreditation Plan
LSE	Local Security Environment
LSB	Least Significant Bit
LUT	Local User Terminal (SAR receiving station)

M

M&C	Monitoring and Control
M&O	Maintenance and Operations
MASER	Microwave Amplification by Stimulated Emission of Radiation
MASPP	Multi Annual Staff Policy Plan
MASPS	Minimum Aviation System Performance Standard
MBOC	Binary Offset Carrier Modulation
MBS	Multi Beam Steering (antenna)
Mbps	Megabit per second
MCC	(EGNOS) Master Control Centre or Mission Control Centre
M-CCB	Mission Configuration Control Board
MCC1	Principal Master Control Centre
MCC2	Backup Master Control Centre
MCC-P	Master Control Centre (Primary)
MCCRD	MCC Requirements Document
MCC-S	Master Control Centre (Secondary)
MCF	Mission Control Facility

Mcps	Megachip per second
MCU	Management & Control Unit
MD	Miss Detection
MDDN	Mission Data Dissemination Network
ME	Multipath Error or Medium-End (PRS receiver)
MEDLL	Multipath Estimating Delay Lock Loop
MEL	Minimum Equipment List
MEO	Medium Earth Orbit
MEOLUT	(SAR) Medium Earth Orbit Land/Local User Terminal
MEOSAR	Medium Earth Orbit Search and Rescue (system)
MGF	Message Generation Facility
MHz	Megahertz
MiB	Mebibyte (1 048 576 bytů, dle ČSN IEC 60027-2)
MIDS	Multi-Functional Information Distribution System
MLS	Microwave Landing System
MMEL	Master MEL
MMI	Man Machine Interface
MOPS	Minimum Operational Performance Standard
MPR	Mission Performance Requirements
MRB	Material Review Board
MRD	Mission Requirement(s) Document
MRR	Mission Requirements Review
MS	Member State or Monitoring Station
MSAS	Multi-functional transport Satellite-based Augmentation System
MSB	Most Significant Bit
MSER	Manager for in-SERvice phase
MSG3	Maintenance Steering Group 3
MTB	Mediterranean Test Bed
MTBF	Mean Time Between Failures
MTBO	Mean Time Between Outages
MTCF	MEOLUT Tracking Coordination Facility
MTCR	Missile Technology Control Regime
MTR	Mid Term Review
MTSAT	Multi Transport SATellite
MTTR	Mean Time To Restore an outage
MULS	(Galileo) Mission Up-Link Station

N

NA or N/A	Note Applicable
NAS	National Airspace System or National Air Space
NATS	National Air Traffic Services (UK)
NAV	NAVigation sub-system
Nav aids	Navigation aids

NAVSEC	Navigation Security
NAVWAR	Navigation Warfare
NAVSTAR	Navigation Signal Timing And Ranging GPS
GPS	
N.B. (z lat.)	Nota Bene = Note Well
NC	Non Compliant
NCC	Network Control Centre
NCE	Network Crypto Equipment
NCM	Network Control Management
NCMF	Network Centralised Monitoring Facility
NCR	Non-Conformance Report
NCRB	Non-conformance Review Board
NE	National Expert
NGA	Non-Governmental Agency or National Geospatial-Intelligence Agency (formerly National Imagery and Mapping Agency; US government)
NI	Non Integrity
NIHID	Non-Integrity Hazardous Invalid Data
NLES	Navigation Land Earth Station
NLES-1B	Backup to NLES-R
NLES-2B	Backup to NLES-A
NLES-A	NLES – Aussagel France
NLES-R	NLES – Riesting Germany
NLESRD	NLES Requirements Document
NM	Nautical Mile
NMC	Network Management Center
NMF	Network Management Facility
NOC	Network Operations Centre
Nor	National Organization
NOCC	Network Operation Control Centre
NOTAM	Notice To Airmen
NPA	Non Precision Approach
NPL	National Physical Laboratory
NRSCC	National Remote Sensing Centre of China
NSA	Navigation Service Availability or National Security Agency/Authority
NSCC	Navigation Satellite Control Centre
NSE	Navigation System Error
nsec	nanosecond (10^{-9})
NSGU	Navigation Signal Generator Unit
NSP	Navigation Service Provider
NTK	Need-To-Know
NTW	Network
NTWRD	Network Requirements Document

O&M	Operation & Maintenance
OAS	Open Access Service
OBSM	On-Board Satellite Manufacturer
OBSW	On-Board SW
OBU	On Board Unit
 OCD	Operation Concept Document
OCR	Operational & Certification Requirement
OD	Orbit Designation
OD&TS	Orbit Determination and Time Synchronization
OEM	Operating Expenses & Maintenance or Original Equipment Manufacture
OGNSS	Over the Ground Network Security Services
OHA	Operating Hazard Analysis
OJ	Official Journal (of the EU)
OLAF	On-Line Application Form (or Office Européen de Lutte Anti-Fraude)
OPB	On-Chip Peripheral Bus
OPEX	Operational Expenditures
OPSEC	Operational Security
ORD	Operations Requirements Document
ORR	Operational Readiness Review
O/S	Operating System
OS	(Galileo) Open Service
OSI	Open Systems Interconnection
OSPF	Orbit Synchronization Processing Facility
OSRR	Operational Service Readiness Review (Galileo programme milestone)
OSS	Orbitography and Synchronization Station
OTAR	Over the Air Re-key
OTAT	Over the Air Transfer
OTRR	On-site TRR
OURD	Operational User Requirements Document

[P](#)

P&C	Processing and Control
P/L	PayLoad
PA	Product Assurance
PACF	Performance Assessment and (system) Check-out Facility
PACFRD	PACF Requirements Document
PACIFIC	PRS Application Concept Involving Future Interested Customers
PAD	Packet Assembler-Disassembler
PAE	PA Engineer
PAM	PA Manager or PRS Access Management
PAP	Product Assurance Plan
PB-NAV	Programme Board on satellite NAVigation (ESA)
PBMF	Performance Budget Management File

PC	Personal Computer
P-CCB	Programme Configuration Control Board
PDA	Personal Digital Assistant
PDOP	Position Dilution Of Precision
PDP	Project Development Plan
PDR	Preliminary Design Review
PEC	Performance Evaluation Centre
PE	Position Error
PEGASUS	Prototype EGNOS Analysis System Using SAPPHIRE
PFA	Probability of False Alarm
PFD	Power Flux Density
PGSE	PRS + GNSS Security Expertise (team)
PHD	Project History Document
PHST	Packing, Handling, Storage & Transport Plan
PIAC	Pre-Installation Accreditation Certificate
PIAP	Pre-Installation Accreditation Process
PIDS	Prime Item Development Specification
PIP	PRS Implementation Plan
PKMF	PRS Key Management Facility
PL	Protection Limit
PLB	Personal Location Beacon
PLL	Phase Lock Loop (fázový závěs)
PLGR	Precision Lightweight GPS Receiver
PM	Progress Meeting or Preventive Maintenance or Project Management
PMD	Probability of Missed Detection
PMP	Project Management Plan
PMR	Professional Mobile Radio (TETRA)
PN	Pseudo Noise or Participating Nation
PNT	Positioning, Navigation and Timing
POC	Point of Contact
POCP	POC Platform
POP	Points Of Presence or Preliminary Operations Phase
POR	Pacific Ocean Region
PP	Present Position or PRS Pilot
PPP	Point-to-Point Protocol
PPSM	Protection Profile for PRS Security Module
PPS	Precise Positioning Service (GPS) or Pulse Per Second
PRAM(S)	PRS Receiver Application Module(Specification)
PRAR	PRS Receivers and Security Modules Accreditation Rules
PRC	Permanent Representatives Committee (of the EU Council)
PRE	Pseudo-Range Error
PRN	Pseudo Random Noise
PROGRESS	PROgramme for Governmental REceivers Standardization and Specification
PROPHET	PRS Operations Performance Handy Evaluation Tool

PROTECTOR	PRS Operational Tool to Evaluate and Counteract Threats Originating from Radio-sources
PRS	(Galileo) Public Regulated Service
PRSMS	PRS Receivers and Security Modules Specifications
PS	Power Supply
PS-CCB	Project/System Configuration Control Board
PSC	Project Safety Concern or Political and Security Committee (EU) or Personnel Security Clearance
PSCC	Personnel Security Clearance Certificate
PSI	Programme/Project Security Instructions or Public Sector Information
PSIRD	PSI Requirement Document or Preliminary System Interface Requirement Document
PSPDN	Packet-Switched Public Data Network
PSS	Procedures, Standards and Specifications
PSTN	Public Switched Telephone Network
PT	Product Tree
PTF	Precise Timing Facility
PTT	Public Telephone and Telegraph authority (National organisation)
PTT	Project Tracking Team
PU	Portable Unit
PVC	Permanent Virtual Circuit
PVM	Procedure Verification Matrix
PVT	Position, Velocity, Time or Performance Verification Testing

Q

QA	Quality Assurance
QFE	barometric pressure at runway threshold
QMS	Quality Management System
QoS	Quality of Service
QR	Qualification Review

R

R	Restricted
R&D	Research and Development
RAAS	Regional Area Augmentation System
RAIM	Receiver Autonomous Integrity Monitoring
RAM	Reliability Availability and Maintainability or Random Access Memory
RAMS	Reliability Availability, Maintainability and Safety
RB	Review Board
RBAC	Rule Based Access Control
RCC	Rescue Coordination Centre
RCF	Ranging Control Facility
RCKP	Requirements Consolidation Key Point
RCS	Revision Control System
RCVR	Receiver

RD	Requirements Document or Reference Document
RDT&E	Research, Development, Test and Evaluation
REC	Range Error Correction
RESCOR	Rescue Coordination
RF	Radio Frequency
RFC	RF Conversion or Request For Change
RFCS	Radio Frequency Constellation Simulator
RFD	Request For Deviation
RFDC	RF Down Converter
RFE	RF front End
RFI	Radio Frequency Interference
RFLAB	RF measurement LABoratory
RFQ	Request For Quotation
RFW	Request For Waiver
R-GEO	Ranging via GEO satellites
RGIC	Ranging and Ground Integrity Channel
RGS	Ranging Ground Segment
RHC	Right Hand Circularly polarised
RHCP	Right Hand Circular Polarisation
RID(S)	Review Item Discrepancy(?)
RIMS	(EGNOS) Ranging and Integrity Monitoring Station or Remote Integrity Monitoring Station
RIMSRD	RIMS Requirements Document
RINEX	Receiver INdependent Exchange Format
RLM	Return Link Message
RLMCR	Return Link Message Cancellation Request
RLMR	Return Link Message Request
RLSP	Return Link Service Provider or Radio Link Service Profile
RLS	Return Link System/Service
RLSP	Return Link Service Provider
RLSSM	Return Link Service Status Message
RMS	Root Mean Square
RMS (CZE)	Radiační monitorovací síť
RNAV	Radio NAVigation
RNP	Required Navigation Performance or Required Navigation Parameters
RNSS	RadioNavigation Satellite Service
ROD	Review Of Design
ROR	Range Only Radar
RP	Reverse Proxy
RPU	Receiver Processing Unit
RRC	Range-Rate Corrections
RS	Remote Station or Reference Station
RST	Reference System Time

RTCA	Radio Technical Commission/Committee for Aeronautics or Radio Technical Committee of America
RTK	Real Time Kinematics
RTN	Return
RTOS	Real Time Operating System
RTSS	Real-Time Simulation Segment
RUC	Road User Charging
RX/Rx	Receiver

S

S	Secret
S/C	SpaceCraft
S(I)S	Space Segment
S/S/C	System/Subsystem/Component
S/W	SoftWare
SA	Selective Availability
SAA	Security Accreditation Authority
SAASM	Selective Availability and Anti-Spoofing Module
SAB	Security Accreditation Board
SAC	Site Accreditation Certificate
SACP	System Accreditation and Certification Plan
SADT	Structure Analysis and Design Technical
SAI	Site Accreditation Inspection
SAL	Security Aspects Letter
SAM	Site Accreditation Milestone
SAN	Satellite Access Node
SAPPHIRE	Satellite and Aircraft Database Project for System Integrity Research
SAR	(Galileo) Search And Rescue (service) or Security Accreditation Review or Site Acceptance Review
SARP(s)	Standards And Recommended Practices
SART	SAR Transponder
SAS	Security Accreditation Strategy
SATAIT	Satellite Assembly Integration and Test Site
SATMAN	Satellite Manufacturer
SAW	Surface Acoustic Wave
SBAS	Satellite Based Augmentation System
SC	Software Component or Service Center
SCAP	Security Certification and Accreditation Plan
SCAR	Software Component Acceptance Review
SCAT-I	Special CATegory I
SCB	SAASM Cipher Block
SCC	Satellite Control Centre
S(-)CDR	System(-) CDR
SCF	Satellite Control Facility

SCG	Security Classification Guide
SCL	Station de Connexion et Localisation
SCM	Software Configuration Management
SCMP	Software Configuration Management Plan
SCO	Software Change Order
SCQR/R	Software Component Qualification Readiness Review
SCR	Software Change Request
SCSI	Small Computer System Interface
SDD	Site Description Document
SDDN	SW-Defined Data Network
SDM	System Definition Manual
SDR	Site Design Review
SE	EGNOS Subsystem Element
SEAT	Security Events Analysis Team
SECOPS	Security Operations
/SecOps	
SecOPs	Security Operating Procedures
SECT	System Engineering Core Team
SECVTB	Security Chains Validation Test Bench
SeKO	Set Kick Off
SESAR	Single European Sky ATM Research
SESAME	Single European Sky Implementation Programme (Eurocontrol)
SEP	Support Equipment Plan
SFVP	Support Facility Verification Plan
SG	Secretary General (Eur. Council)
SGS	Soviet Geocentric System
SGS-90	Soviet Geodetic System
SG/HR	Secretary-General of the Council/High Representative for the CFSP
SIMPR	Specifications and Instructions for Manufacturing PRS Receivers
SINA	Secure Inter Network Architecture
SIRD	Site Requirement Interface Document
SIS (SiS)	Signal In Space
SISA	Signal In Space Accuracy
SISICD	Signal-in-Space Interface Control Document
SISMA	Signal In Space Monitoring Accuracy
SISNeT	Signal in Space through internet
SISRS	Signal in Space Requirement Statement or System Interconnection Security Requirements Statement
SitCen	Situation Centre
SIV(P)	Site Integration Validation (Plan)
S-JTSK (CZE)	Národní rovinný systém
SKMF	Satellite KMF
SL	Service Level or Station de Localisation
SLA	Service Level Agreement (with network service provider)

SLRD	System Level Requirements Document or SL Requirements Document
SM	Security Module
SMC	Service Management Centre
SME	Security Monitoring and Evaluation (team) or Subject Matter Expert or Small and Medium-sized Enterprise
SMR	Software Modification Report
SMTV	Security Module Test Vector (SW capable of generating PRS sec. messages)
SNA	Satellite Navigation Application
SNAPAS	Satellite Navigation Performance Analysis Software
SNMP	Simple Network Management Protocol
SNR	Signal to Noise Ratio
SNT	Satellite Navigation Transponder
SoC	Statement of Conformity
SOC	Spacecraft Operation Centre
SoL	(Galileo) Safety of Life (service)
SOLAS	Safety of Life At Sea
SOP	System Operation Plan
SOW	Statement Of Work
SPACS	Simplified Position Accuracy Calculation Software
S-PCDR	Système-Preliminary CDR
SPF	Service Products/Processing Facility or Service Provider Facility
SPI	Serial Peripheral Interface
SPM	System Project Management
SPMP	System Project Management Plan or Software Project Management Plan
SPR	Software Problem Report
SPS	(GPS) Standard Positioning Service
SPVF	System Performance Validation Facility
SPWG	Security and PRS Working Group
SQAP	Software Quality Assurance Plan
SQL	Software Query Language
SQP	System Qualification Plan
SQR	System Qualification Review
SR	Standard Receiver or Software Requirements
SR/R	Software Requirements Review
SRA	Security Risk Assessment
SRAM	Static Random Access Memory
SRB	Software Review Board
SRD	System Requirements Document or Software Requirement Document
SRN	Software Release Note
SRR	Système Requirements Review
SRVTB	Signal and Receiver Validation Test Bench

SS	Space Segment
SSAR	Sub System Acceptance Review
SSATR	Sub System Acceptance Test Review
SSCDR	Sub System CDR
SSDD	System Segment Design Document
SSFQR	Sub System Factory Qualification Review
SSKO	Sub System Kick Off
SSN	Sun Spot Number
SSO	Site Security Officer
SSP	System Security Plan
SSPA	Solid State Power Amplifier
SSPDR	Sub System PDR
SSR	Site Selection Review or Specific Security Rules
SSRD	Sub-System Requirements Document
SSRS	System-specific Security Requirement Statement
SSTRR	Sub System Test Readiness Review
SSSC (3SC)	System Safety and Security Committee
ST	System Testing or Security Target
STD	Software Transfer Document
STEP1	R-GEO augmentation
STEP2	GIC augmentation
STEP3	WAD augmentation
STNA	Service Technique Navigation Aerieenne (F)
STR	System Test Readiness
STRR	System Test Readiness Review
SU	SUpplier
SUM	Software User Manual
SV	Space Vehicle or Satellite Vehicle
SVC	Switch Virtual Circuit
SVP	System Verification Plan or Software Verification Plan or Subsystem Verification Plan
SVT	System Validation Test or System Verification Testing
SVVP	Software Verification and Validation Plan
SW	Software
SWPM	SoftWare Project Manager
SWRU	Software Replaceable Units
SyOps	System Security Operations Procedures
SZBP (CZE)	Společná zahraniční a bezpečnostní politika (EU)
I	
T	Test or Time
T&V	Threats and Vulnerabilities
T4S	Thomson-CSF / Services et Systemes Sol Spatiaux
TA	Terminal Adapter (ISDN modem) or TEMPEST Authority

TAI	Time Atomic International or Temps Atomique International
TAS	True Air Speed
TBC	To Be Clarified or To Be Confirmed or To Be Coordinated
TBD	To Be Defined or To Be Determined
TBO	Time Between Outages
TBS	To Be Studied To Be Specified by the contractor
TBW	To Be Written
TC	TeleCommand
TCAR	Third Carrier (phase) Ambiguity Resolution
TCP	Transmission Control Protocol
TCP/IP	Transmission Control Protocol/Internet Protocol
TDOA	Time Difference Of Arrival
TE	Test Engineer
TEB	Tender Evaluation Board
TEC	Total Electron Content
TEN	Trans European Network
TEU	Treaty of EU
TF	Task Force
TGNSS	NLES reference Time
TH	True Heading
TL	Team Leader
TLM	TeLeMetry
TLS	Target Level of Safety
TM	TeleMetry
TMA	Technique Management Area
TN	Technical Note or Third Nation
TOA	Time Of Arrival
TOE	Target Of Evaluation
TOW	Time Of Week
TPG	Time of Propagation
TRAC	Traceability Report
TRANSEC	TRANsmission SECurity
TRB	Test Review Board
TRO	Time to Restore an Outage
TRR	Test Readiness Review
TRSF	Transfer
TS	Training Segment
TSE	Total System Error = $(NSE^2 + FTE^2)^{1/2}$ or Technical Security Expertise
TSF	Test and Simulation Facilities
TSO	Technical Standard Order
TSP	Time Service Provider or Test Script Processor
TTA	Time To Alert or Time To Alarm or Time To Acquire
TTC (TT&C)	Telemetry, Tracking and Command (Tracking, Telemetry and Command station)

TTFF	Time to first fix
TTSF	Time to subsequent fix
TTW	Transition To War
TUE	Test User Equipment
TUR-P	Test User Receiver-PRS (for both IOV and FOC, with varying capabilities)
TUS	Early TUR (from ESA)
TWAN	Transport Wide Area Network
TX/Tx	Transmitter

U

U	Unclassified
U(/)S	User Segment
UAV	Unmanned Air Vehicle
UC	User Community(ies)
UDP	User Datagram Protocol
UDRE	User Differential Range Error
UE	User Equipment
UEE	User Equipment Error
UERE	User Equivalent Range Error
UHF	Ultra High Frequency
UI	User Interface
UIVD	User Ionospheric Vertical Delay
UIVE	User Ionospheric Vertical Error
ULS	Up-Link Station
UMTS	Universal Mobile Telecommunication System
UNE	User Navigation Error
UN-ICG	UN International Committee on GNSS
UOr	User Organization
UPS	Uninterruptible Power Supply
UR	User Requirements
UR/R	User Requirements Review
URA	User Range Accuracy
URD	User Requirements Document
URE	User Range Error
US	United States or User Segment
USAT	Ultra-Small Aperture Terminal (satellites terminal)
USRD	User Segment Requirements Document
UTC	Universal Time Coordinated/Co-ordinate

V

V	Vertical
VAL	Vertical Alarm Limit
VCB	Verification Control Board

VDOP	Vertical Dilution Of Precision
VHF	Very High Frequency
VNSE	Vertical Navigation System Error
VoIP	Voice over IP
VOR	VHF Omnidirectional Ranging
VPE	Vertical Position Level
VPL	Vertical Protection Level
VPN	Virtual Private Network
VRD	Verification Requirements Document
VSAT	Very Small Aperture Terminal
VSM	Viable System Model
VTE	Vertical Tropospheric compensation Error
VTs	Vessel Traffic Surveillance
VUNE	Vertical User Navigation Error

[W](#)

WAAS	Wide Area Augmentation System
WAC	Wide Area Correction
WAD	Wide Area Differential
WADC	Wide Area Differential Correction
WADGPS	Wide Area Differential GPS
WAGE	Wide Area GPS Enhancement
WAN	Wide Area Network
WBS	Work Breakdown Structure
WD	Wind Direction
WG	Working Group
WGS	World Geodesic System
WGS-84	World Geodetic System
WIMP	Windows Icons Mouse Pointer
WN	Week Number
WP	WorkPackage
WPD	WorkPackage Description
WRC	World Radio Conference
WS	Wind Speed

[X](#)

XAL	Standing for HAL or VAL
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[Y](#)

[Z](#)

