

Abbreviations and Acronyms

ACRIM	Active Cavity Radiometer Irradiance Monitor
ADC	Affiliated Data Center
ADS	Archive Data Set
ADEOS	Advanced Earth Observing Satellite (Japan)
AI&T	Algorithm Integration and Test
AITT	Algorithm Integration and Test Team
ALT	Altimeter
AM-1	EOS AM Project (morning spacecraft series)
AMSR	Advanced Microwave Scanning Radiometer
AMSU	Advanced Microwave Sounding Unit
API	application programming interface
ARP	address resolution protocols
ASF	Alaska SAR Facility (DAAC)
AST	ASTER Science Team
ASTER	Advanced Spaceborne Thermal Emission and Reflection Radiometer (formerly ITIR)
AT	Acceptance Test
ATC	Absolute Time Command
ATP	Acceptance Test Plan
ATPR	Acceptance Test Procedures
ATT	Acceptance Test Team
AVHRR	Advanced Very High Resolution Radiometer
BAP	Baseline Activity Profile
BBS	Bulletin Board System
BGP	boundary gateway protocol
CASE	Computer Aided Software Engineering
CAST	Computer Aided Software Test

CCR	Configuration Change Request
CCSDS	Consultative Committee for Space Data Systems
CD-ROM	Compact Disk -- Read Only Memory
CDRL	Contract Data Requirements List
CERES	Clouds and Earth's Radiant Energy System
CIESIN	Consortium for International Earth Science Information Network
CLTU	Command Link Transmission Unit
CLCW	Command Link Control Word
CM	Configuration Management
cmi	continuous measurable improvement
CMO	Configuration Management Office
CMS	Command Management System
Co-I	Co Investigator
COLOR	Ocean Color - see EOS-COLOR
COTR	Contracting Officer's Technical Representative
COTS	Commercial Off-The-Shelf (hardware or software)
CPU	Central Processing Unit
CSA	Canadian Space Agency
CSMS	Communications and System Management Segment
CSR	Consent to Ship Review
CZCS	Coastal Zone Color Scanner
DAA	Data Availability Acknowledgment
DAAC	Distributed Active Archive Center
DADS	Data Archive and Distribution System
DAN	Data Availability Notice
DAO	Data Assimilation Office
DAR	Data Acquisition Request
DAS	Data Assimilation System
DAS	Detailed Activity Schedule
DAT	Digital Audio Tape
DBMS	Database Management System

DCN	Document Change Notice
DDA	Data Delivery Acknowledgment
DDN	Data Delivery Notice
DFA	Dual Frequency Altimeter
DHF	Data Handling Facility
DID	Data Item Description
DID	data ingest/distribution
DIM	Distributed Information Manager
DIS	Data Information System
DIS	Data Interface System
DIT	Data Ingest Technician
DIF	Data Interface Facility (EDOS)
DMSP	Defense Meteorological Satellite Program
DPF	Data Production Facility (EDOS)
DPR	Data Processing Request
DSA	directory service agent
DSN	Deep Space Network
e-mail	electronic mail
EAP	EDOS Activity Plan
EAS	ECS Advertising Service
EBnet	EOSDIS Backbone Network
ECL	ECS Command Language
Ecom	EOS Communications
ECS	EOSDIS Core System
EDC	EROS Data Center (DAAC)
EDF	ECS Development Facility
EDHS	ECS Data Handling System
EDOS	EOS Data and Operations System
EDU	EDOS Data Unit
EGS	EOS Ground System
EMC	Enterprise Monitoring and Coordination

EOC	EOS Operations Center
EOS	Earth Observing Facility
EOT	EDOS Operations Timeline
EOSDIS	Earth Observing System Data and Information System
EPDS	Earth Probe Data System
ERBE	Earth Radiation Budget Experiment
EROS	Earth Resources Observation System
ERS	European Remote-Sensing Satellite
ESDIS	Earth Science Data and Information System
ESN	ECS Science Network
ETM	Enhanced Thematic Mapper (Landsat-7)
ETM+	Enhanced Thematic Mapper Plus (Landsat-7)
ETS	EOSDIS Test System
EU	Engineering Unit
F&PRS	Functional and Performance Requirement Specification
FDF	Flight Dynamics Facility
FNOC	Fleet Numerical Oceanographic Center (Navy)
FOS	Flight Operations Segment
FOT	Flight Operations Team
FTP	File Transfer Protocol
FUI	FOS User Interface
GATT	Government Acceptance Test Team
GCDIS	Global Change Data and Information System
GDS	Ground Data System
GFE	Government Furnished Equipment
GN	Ground Network
GOSIP	Government OSI Protocol
GPCC	Global Precipitation Climatology Center
GPCP	Global Precipitation Climatology Project
GPI	GOES Precipitation Index
GSFC	Goddard Space Flight Center

GUI	Graphic User Interface
GV	Ground Validation (TRMM)
HDF	hierarchical data format
HGA	High Gain Antenna
HTML	Hypet-Text Markup Language
I/O	Input/Output
I&T	Integration and Test
IAL	Instrument Activity List
IAS	Image Assessment System (Landsat-7)
IATO	Independent Acceptance Test Organization
ICC	Instrument Control Center
ICD	Interface Control Document
ICMP	Internet Control Message Protocol
IDR	Incremental Design Review
IGS	International Ground Station (Landsat-7)
IMS	Information Management System (obsolete ECS element name)
IMS	Information Management Service
IOT	Instrument Operations Team
IP	International Partner
IP	Internet Protocol
IR	Interim Release
IRD	Interface Requirements Document
IRDL	Instrument Resource Deviation List
IRP	Instrument Resource Profile
ISCCP	International Satellite Cloud Climatology Project
ISO	International Standards Organization
ISS	Information Subsystem
IST	Instrument Support Terminal
IV&V	Independent Verification and Validation
JERS-1	Japan's Earth Remote Sensing Satellite 1
JPL	Jet Propulsion Laboratory

kbps	Kilobits per second
kftp	Kerberos File Transfer Protocol
L0–L4	Level 0 through Level 4 data
L0R	Level 0 Reformatted
LAN	Local Area Network
LaRC	Langley Research Center
LIM	Local Information Manager
LIS	Lighting Imaging Sensor
LPS	Landsat Processing System
LS-7	Landsat 7
LSM	Local System Management
LTIP	Long Term Instrument Plan
LTSP	Long Term Spacecraft Plan
M&O	Maintenance and Operations
mbps	megabits per second
MDT	mean down time
METEOR	Meteorology (Russian Space Agency)
MIB	Management Information Base
MIME	Multi-purpose Internet Mail Extension
MISR	Multi-Angle Imaging Spectroradiometer
MITI	Ministry of International Trade and Industry (Japan)
MMO	Mission Management Office
MOC	Mission Operations Center (Landsat-7)
MODIS	Moderate-Resolution Imaging Spectroradiometer
MOPITT	Measurements of Pollution in the Troposphere
MOU	Memorandum of Understanding
MR	Microwave Radiometer
MSFC	Marshall Space Flight Center
MSS	Management Subsystem
NASA	National Aeronautics and Space Administration
NASCOM	NASA Communications

NCC	Network Control Center
NCDC	National Climatic Data Center
NCR	Non Conformance Report
NESDIS	National Environmental Satellite, Data, and Information Service (NOAA)
NGDC	National Geophysical Data Center
NLDN	National Lightning Detection Network
NMC	National Meteorological Center (NOAA)
NOAA	National Oceanic and Atmospheric Administration
NODC	National Oceanic Data Center
NOLAN	Nascom Operational Local Area Network
NRCA	Nonconformance Reporting and Corrective Action
NSCAT	NASA Scatterometer
NSI	NASA Science Internet
NSIDC	National Snow and Ice Data Center
OA	Office Automation
ODB	Operational Database
ODC	Other Data Center
OJT	On-the-Job Training
ORNL	Oak Ridge National Laboratory
OSI	Open Systems Interconnection
OSPF	Open Shortest Path First (routing protocol)
OTD	Optical Transient Detector
PA	Product Assurance
PDB	Project Database
PDPS	Planning and Data Processing System
PDR	Preliminary Design Review
PDS	Production Data Set
PGS	Product Generation System (ECS) (ASTER)
PI	Principal Investigator
PR	Precipitation Radar
PSCN	Program Support Communications Network

QA	Quality Assurance
QO	Quality Office
Radarsat	Radar Satellite (Canada)
RIP	Routing Information Protocol (207)
RIR	Release Initiation Review
RM	Resource Manager
RMA	Reliability, Maintainability, Availability
RRR	Release Readiness Review
RTM	Requirements & Traceability Management
S/C	spacecraft
SA	System Administrator
SAA	Satellite Active Archive
SAGE	Stratospheric Aerosol and Gas Experiment
SAR	Synthetic Aperture Radar
SARCOM	SAR Communications System
SAS	Service Accounting Segment (NCC)
SCC	Spacecraft Control Computer
SCF	Science Computing Facility
SDPF	Sensor Data Processing Facility
SDPS	Science Data Processing Segment
SDR	System Design Review
SDVF	Software Development and Validation Facility
SE	System Engineering
SEDAC	Socio-Economic Data and Applications Center
SI&T	System Integration and Test Organization
SM	System Manager
SMA	S-board multiple access
SMC	System Monitoring Coordination Center
SME	Subject Matter Expert
SMMR	Scanning Multichannel Microwave Radiometer
SMO	System Management Office

SN	Space Network
SNMP	Simple Network Management Protocol
SORR	Segment Operational Readiness Review
SSALT	Solid State altimeter (Changing to Dual Frequency Altimeter)
SSIM	Spacecraft Simulator
SSI&M	Science Software Installation and Maintenance
SSITT	Science Software Integraton and Test Team
SSM/I	Special Sensor Microwave/Imager
SSR	Solid State Recorder
SWE	Snow Water Equivalent
TB	tera-byte
TBD	To be determined
TCP/IP	Transmission Control Protocol/Internet Protocol
TDRSS	Tracking and Data Relay Satellite System
TL	Team Leader
TM	Team Member
TMI	TRMM Microwave Imager
TOMS	Total Ozone Mapping Spectrometer
TONS	TDRSS On-board Navigational System
TOO	Target Of Opportunity
TOVS	Television Infrared Observing Satellite (TIOS) Operational Vertical Sounder
TRMM	Tropical Rainfall Measurement Mission
TRR	Test Readiness Review
TSDIS	TRMM Science Data and Information Systems
TSS	TDRSS Service Session
TSU	TRMM Science User
TT	Trouble Ticket
USGS	U.S. Geological Survey
V0	Version 0
VIRS	Visible Infrared Scanner
WAN	Wide Area Network

WFF	Wallops Flight Facility
WOTS	Wallops Orbital Tracking Station
WRS	Worldwide Reference System

Glossary

Analysis	Technical or mathematical evaluation based on calculation, interpolation, or other analytical methods. Analysis involves the processing of accumulated data obtained from other verification methods.
Consent to Ship Review (CSR)	Review to determine the readiness of a release for transition to sites for integration testing.
Critical Design Review (CDR)	A detailed review of the element/segment-level design, including such details as Program Design Language (PDL) for key software modules, and element interfaces associated with a release.
Demonstration	Observation of the functional operation of the verification item in a controlled environment to yield qualitative results without the use of elaborate instrumentation or special test equipment.
Incremental Design Review (IDR)	Review conducted to evaluate segment designs associated with a release.
Inspection	The visual, manual examination of the verification item and comparison to the applicable requirement or other compliance documentation, such as engineering drawings.
Scenario Group	A collection of scenarios that form one of the broadest functional subdivisions of the system.
Scenario	A functional subdivision of a Scenario Group which is designed and executed independently.
Sequence	A subdivision of a scenario which is designed to verify a number of functionally related requirements
Release Readiness Review (RRR)	Conducted at the ECS system level for a GSFC Project Review Team upon completion of release acceptance testing. The IATO leads the RRR to determine, with the GATT and the COTR, if the release is ready to be delivered, installed, and incorporated into the operational system.
Test	A procedure or action taken to determine under real or simulated conditions the capabilities, limitations, characteristics, effectiveness, reliability, or suitability of a material device, system, or method.
Test Case	A relatively small grouping of requirements that form the building blocks of a sequence.

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