



<i>Title:</i> NEON Acronym List		<i>Date:</i> 07/22/2014
<i>NEON Doc #:</i> NEON.DOC.000008	<i>Author:</i> Stephen Craft	<i>Revision:</i> H

## NEON ACRONYM LIST

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## Change Record

REVISION	DATE	ECO #	DESCRIPTION OF CHANGE
A	05/15/2009		Initial Release
A.1	10/13/2009		Addition of acronyms
B	10/15/2009	NEON.MGMT.NPR.000184.CRE	CCB approved submitted changes
C	10/13/2010	NEON.MGMT.NPR.000249.CRE	Updates. See CRE for details.
D	02/14/2011	ECO-00039	Revised to include terms used in the CM system.
E	09/26/2011	ECO-00283	Update to new document numbers and template.
F	05/24/2013	ECO-01230	Added miscellaneous acronyms and corrected minor typos.
G	10/17/2013	ECO-01453	Added miscellaneous acronyms. Switched to latest released template.
H	07/17/2014	ECO-02142	Additions from SCI, PUR, CVAL, ENG, and PSE.

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## Numeric

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- 1-D                    One-dimensional
- 2-D                    Two-dimensional
- 3-D                    Three-dimensional

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## A

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A/D	Analog to Digital Conversion
A/E	Architect and Engineer
AAM	American Association of Museums
AAT-S	Aspirated Air Temperature – Single
AAT-T	Aspirated Air Temperature – Triple
ABL	Allocated Baseline
ABL	Atmospheric Boundary Layer
AC, a.c.	Alternating Current
AC	Actual Cost
ACK	Acknowledge
ACS	American Chemical Society
ACWP	Actual Cost of Work Performed
AD	Applicable Document
AD	Architecture Document
AD	Assistant Director
ADC	Analog to Digital Converter
ADL	Applicable Documents List
ADM	Administration
AD[NN]	Applicable Document No. NN
ADP	Acceptable Data Package
ADR	Applicable Discrepancy Report(s)
ADXX	Applicable Document No. XX
AFS	AIRS Facility Subsystem
AGB	Above Ground Biomass
AGL	Above Ground Level
AGU	American Geophysical Union
AI	Action Item
AIBS	American Institute of Biological Sciences
AIL	Action Item List
AIS	Aquatic Instrumentation System
AIS	Automated Information System
AIV	Assembly, Integration and Verification
AIWG	Aquatic Instrumentation Working Group
ALC	Automatic Level Control
ALMA	Atacama Large Millimeter Array
AM	Asset Management
AMM	Asset and Maintenance Management

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ANPP	Above-Ground Net Primary Productivity
ANSI	American National Standards Institute
AOP	Airborne Observation Platform
AOS	Aquatic Observation System
API	Application Programming Interface
APR	Automatic Power Reduction
APWA	American Public Works Association
AQ/S	Aquatic/STREON
AQU	Aquatic
ARM	Atmospheric Radiation Measurement Program
ARMI	Amphibian Research and Monitoring Initiative
ARS	Agricultural Research Service
ARVI	Atmospherically Resistant Vegetation Index
ASCII	American Standard Code Information Interchange
ASIC	Application-Specific IC
ASL	Above Sea Level
ASTC	Association of Science-Technology Centers
ASTER	Advanced Spaceborne Thermal Emission and Reflection Radiometer
ASTM	American Society for Testing and Materials
ATAG	Authoring Tool Accessibility Guidelines
ATB	Aquatic Test Bed
ATBD	Algorithm Theoretical Basis Document
ATCOR	Atmospheric and Topographic Correction
ATS	Aspirated Temperature Single
ATT	Aspirated Temperature Triple
ATV	All-Terrain Vehicle
ATWG	Aquatic Technical Working Group
AUI	Associated Universities, Inc.
AV	All-Views
AVHRR	Advanced Very High Resolution Radiometer
AVIRIS	Airborne Visible/Infrared Imaging Spectrometer
AWP	Annual Work Plan

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## B

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B	Biodiversity
BAC	Budget at Completion
BASIN	Biogeosphere-Atmosphere Stable Isotope Network
BBS	Breeding Bird Survey
BCR	Budget Change Request
BCR	Build Content Review
BCWP	Budgeted Cost of Work Performed
BCWS	Budgeted Cost of Worked Scheduled
BDV	Business and Development
BFA	Business Finance and Accounting
BIO	Directorate for Biological Science (NSF)
BLAST	Basic Local Alignment Search Tool
BLM	Bureau of Land Management
BNPP	Below-Ground Net Primary Productivity
BOA	Basic Ordering Agreement
BOD	Biological Oxygen Demand
BOD	Board of Directors
BOE	Basis of Estimate
BOLD	Barcode of Life Database
BOM	Bill of Materials
BOREAS	Boreal Ecosystem-Atmosphere Study
BP	Barometric Pressure
BPCP	Business Process Contingency Plan
BPEL	Business Process Execution Language
BRDF	Bidirectional Reflectance Distribution Function
BSc	Bachelor of Science
BSCS	Biological Science Curriculum Study
BSL3	Biosafety Level 3
BSR	Baseline Schedule Review
BSRN	Baseline Surface Radiation Network
BTU	British Thermal Unit

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## C

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C&DS	Control and Data System
C+C, C&C	Command and Control
CCC, C^3, C <sup>3</sup>	Command, Control, and Configuration
CA	Composition Analyzers
CA	Cooperative Agreement
CAD	Computer Aided Design
Cal/Val	Calibration/Validation
CAN	Serial bus by National Instruments
CAO	Carnegie Airborne Observatory
CAP	Capital Acquisition Plan
CAP	Central Arizona Phoenix
CAS	Common Application Service
CAS	Cost Accounting Standard
CASE	Computer Aided Software Engineering
CASTNET	Clean Air Status and Trends Network
CBC	Christmas Bird Count
CBI	Conservation Biology Institute
CBS	Current Best Standard
CC	Continuous Cropping
CCB	Change Control Board
CCB	Configuration Control Board
CCGG	Carbon Cycle Greenhouse Gases (NOAA Global Monitoring Division)
CDC	Centers for Disease Control
CDL	Commercial Driver's License
CDL	Configuration Document List
cDOM	Colored (or Chromophoric) Dissolved Organic Matter
CDR	Critical Design Review
CDS	Common Data Service
CE	European Conformance
CEA	Chief of External Affairs
CENS	Center for Embedded Networked Sensing
CEO	Chief Executive Officer
CEOAF	Cyberinfrastructure for Environmental Observation, Analysis and Forecasting
CEOS	Committee on Earth Observation Satellites
CEP	Cost Estimating Plan
CEPE	Chief of Education and Public Engagement
CEQ	Council on Environmental Quality



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CER	Cost Estimating Relationship
CESQG	Conditionally Exempt Small Quantity Generator
CFO	Chief Financial Officer
CFR	Code of Federal Regulations
CfT	Call for Tenders
CI	Configured Item
CI	Cyberinfrastructure
CIAAW	Commission on Isotopic Abundances and Atomic Weights
CIDL	Configuration Item Data List
CIDL	Configured Items Data List
CIDU	Conference on Intelligent Data Understanding (NASA)
CIL	Configuration Item Labeling
CIN	Configuration Item Number
CIP	Construction in Process
CLA	Collections & Lab Analysis
CLEANER	Collaborative Large-Scale Engineering Analysis Network for Environmental Research
CLM	Community Land Model
CLOB	Character Large Object
CM	Configuration Management
CM	Corrective Maintenance
CMES	Common Message and Event System
CMM	Capability Maturity Model
CMMS	Computer Maintenance Management System
CMP	Configuration Management Plan
CMS	Configuration Management System
CO	Certificate of Occupancy
COB	Close of Business
COD	Chemical Oxygen Demand
CODMAC	Committee on Data Management, Archiving, and Computing
COG	Clusters of Orthologous Groups
COGS	Cost of Good Sold
COM	Communication and Web
CONOPS	Concepts of Operations
CONST	Construction
CONUS	Continental United States
COO	Chief Operating Officer
CORBA	Common Object Request Broker Architecture
CoS	Chief of Science
CoS	Class of Service

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COTS	Commercial Off-the-Shelf
CPER	Central Plains Experimental Range
CPI	Cost Performance Index
CPLD	Complex Programmable Logic Device
CPR	Cardio Pulmonary Resuscitation
CPR	Cost Performance Report
CPU	Central Processing Unit
CRE	Change Request
CRISM	Compact Reconnaissance Imaging Spectrometer for Mars
CRS	Coordinate Reference System
CRT	Cathode Ray Tube
CRT	Certificate
CS	Citizen Science
CSCI	Computer Software Configuration Items
CSI	Cyber and software infrastructure
CSR	Change Status Report
CSS	Cascading Style Sheet
CSU	Channel Service Unit
CSV	Commissioning and Science Verification
CTFS	Center for Tropical Forest Science
CTI	Compound Topographic Index
CUAHSI	Consortium of Universities for the Advancement of Hydrologic Science Inc.
CV	Coefficient of Variation
CV	Cost Variance
CVALLA	Calibration, Validation, and Audit Lab at the Longmont Airport
CVAL	Calibration and Validation Laboratory
CWD	Coarse Woody Debris
CYxx	Calendar Year xx
CYI	Cyberinfrastructure

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## D

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D&D	Design and Development
DAA	Department Administrative Assistants
DAAC	Distributed Active Archive Center
DAC	Digital to Analog Converter
DAP	Dryland Agroecosystems Project
DAQ	Data Acquisition
DAR	Document Approval Request
DAS	Data Acquisition Systems
DB	Database
dBA	Decibel, A Scale
DBH	Diameter at Breast Height
DC	Dielectric Constant
DC	Direct Current
DCE	Deputy Chief of Education
DCM	Development Coordination Meeting
DCS	Document Control Specialist
DCS	Domain Chief Scientist
DD	Design Document
DDP	Detailed Design Phase
DDP	Design Document Package
DEM	Digital Elevation Map/Model
DEMARC	Demarcation Point
DFIR	Double Fence Intercomparison Reference
DFMEA	Design Failure Mode Effects Analysis
DHHS	Department of Health and Human Services
DHP	Digital Hemispherical Photography
DI	Distilled Water
DIC	Dissolved Inorganic Carbon
DIN	Dissolved Inorganic Nitrogen
DLNR	Department of Land & Natural Resource
DMM	Digital Multi-Meter
DMZ	Demilitarized Zone
DNR	Division of Natural Resources
DO	Dissolved Oxygen
DoC	Director of Computing
DOC	Dissolved Organic Carbon
DOC	Department of Commerce

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DOD	Department of Defense
DoDAF	Department of Defense Architecture Framework
DOE	Department of Energy
DOM	Dissolved Organic Matter
DOORS	Dynamic Object-Oriented Requirements System
DOT	Department of Transportation
DP, DPS	Data Products
DPC	Data Processing Cluster
DPC	Director, Procurement & Contracts
DPM	Data Processing and Manufacturing
DPM	Deputy Project Manager
DPMS	Data Processing Management System
DPT	Data Product Team
DQM	Data Quality Management
DRD	Document Requirement Description
DRD-XX	Document Requirement Definition of Document XX
DRL	Document Requirement(s) List
DRM	Distributed Resource Manager
DRP	Disaster Recovery Plan
DRR	Data Receiving and Routing
DS	Domain Scientists
DSDV	Design and Development
DSECC	Domain Science and Education Coordination Committee
DSF	Domain Support Facility
DSL	Digital Subscriber Line
DSN	Design Document
DSS	Data Storage System
DSU	Data Service Units
DTS	Distributed Temperature Sensing
DVU	Design Verification Unit
DWGXX	Applicable Drawing No. XX
DWP	Disney Wilderness Preserve

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## E

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EA	Environmental Assessment
EA/CatEx	Environmental Assessment Categorical Exclusion
EAC	Estimate at Completion
EAM	Enterprise Asset Management
EC	Eddy-Covariance
ECO	Enterprise Change Order
ECR	Enterprise Change Request
ECS	Experiment Chief Scientist
EC-SE	Eddy Covariance Storage Exchange
EC-TE	Eddy-Covariance Turbulent Exchange
EDM	Electronic Documentation Management
EDMS	Electronic Document Management System
EDNA	USGS Elevation Derivatives for National Applications
EDU	Education and Outreach
EE	Ecosystem Exchange Package
EFD, EFDR	Engineering Final Design Review
EH&S, EHS	Environmental, Health & Safety
EI	Education and Interface
EIS	Environmental Impact Study
ELISA	Enzyme-Linked Immunosorbent Assay
ELSF	Effective Line Spread Function
EMAP	Environmental Monitoring & Assessment Program
EMC	Electromagnetic Capability
EMD	Empirical Mode Decomposition
EMI	Electromagnetic Interference
EML	Ecological Metadata Language or Ecological Markup Language
EMS	Environmental Monitoring System
ENB	Engineering Notebook
ENG	Engineering
ENMS	Enterprise Network Management System
ENSO	El Niño Southern Oscillation
EO, E&O	Education and Outreach
EOI	Ecosystem and Organism Integration Package
EOL	Earth Observing Laboratory (NCAR)
EOS	Earth Observing System
EOTRR	NEON Education and Outreach Tiger Team Report
EP	Ecological Plots

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EP	Ecosystem Productivity
E-MAP	Environmental Monitoring and Assessment Program (EPA)
EPA	Environmental Protection Agency
EPSC	European Petroleum Survey Group
ER	Ecosystem Respiration
ERF	Environmental Response Function
ERP	Enterprise Resource Planning
ESA	Ecological Society of America
ESD	Electric Static Discharge
ESRL	Earth System Research Laboratory (NOAA)
ET	Evapotranspiration
ETC	Estimate to Complete
EV	Earned Value
EVI	Enhanced Vegetation Index
EVMS	Earned Value Management System
EWT	Equivalent Water Thickness

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## F

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F	Forested Sites
F&A	Finance & Accounting
FA	Final/Factory Acceptance
FAT	First Article Test
FAA	Federal Aviation Administration
FAO	Food and Agriculture Organization
FAQ	Frequently Asked Question
FARn	Factory Acceptance Review n
FBL	Functional Baseline
FBO	Field Based Operator
FCA	Functional Configuration Audit
FCC	Federal Communications Commission
FCC, F&CC	Facilities and Civil Construction
FD	Field Design
FDER	Final Design Evaluation Review
FDOCR	Final Domain Operation Capability Review
fDOM	Florescent Dissolved Organic Matter
FDR	Final Design Review
FDR	Frequency Domain Reflectometry
FDT	Field Deployment Team
FEA	Finite Element Analysis
FEM	Finite Element Model
FEMA	Federal Emergency Management Agency
FFT	Fast Fourier Transform
FGDC	Federal Geographic Data Committee
FI	Field Instrumentation
FIA	Forest Inventory and Analysis
FIFE	First ISLSCP Field Experiment
FIPS	Federal Information Processing Standard
FIR	Far Infra-Red
FIU	Fundamental Instrument Unit
FM	Factory Manual
FMEA	Failure Mode Effects Analyses
FO	Fiber Optic
FOCR	Final Operational Capability Review
FOOCR	Final Observatory Operational Capability Review
FOPS	Field Operations

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FOSS	Full Option Science System
FOVx	Along-Track Field of View
FOVy	Cross-Track Field of View
FPA	Focal Plane Array
FPDER	Final Production Design Evaluation Review
fPAR	Fraction of Photosynthetically Active Radiation
FRU	Field Replaceable Unit
FSO	Flight Safety Officer
FSU	Fundamental Sentinel Unit
FTB	Field Test Bed
FTC	Field Team Component
FTE	Full Time Equivalent
FWHM	Full Width at Half Maximum
FWS	Fish and Wildlife Service
FYxx	Fiscal Year xx



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G

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G	Grating Response
G	Perennial Grass
GAAP	Generally Accepted Accounting Principals
GAP	Gap Analysis Program
GARP	Global Association of Risk Professionals
GBIF	Global Biodiversity Information Facility
Gbps	Gigabits per Second
GC	ISEP Grand Challenge Questions
GCE	Global Change Experiment
GCOS	Global Climate Observing System
GDAL	Geospatial Data Abstraction Library
GEE	Gross Ecosystem Exchange
GEOBON	Geo Biodiversity Observation Network
GEOSS	Global Earth Observing System of Systems
GEP	Gross Ecosystem Productivity
GEWEX	Global Energy and Water Cycle Experiment
GFCI	Ground Fault Circuit Interrupter
GFI	Ground Fault Interrupter
GHCN	Global Historical Climatology Network
GIS	Geographic Information Systems
GMD	Global Monitoring Division (NOAA/ESRL)
GODM	Global Organism Detection System
GOS	Geospatial One-Stop
GPP	Gross Primary Productivity
GPS	Global Positioning Satellite or System
GSD	Ground Sampling Distance
GSMNP	Great Smoky Mountain National Park, Twin Creeks
GSN	GCOS Surface Network
Gsps	Giga Samples per Second
GTS	Global Telecommunications System
GUI	Graphical User Interface
GV	Green Vegetation
GWP	Gas/Water Partitioner

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## H

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HBCU	Historically Black Colleges and Universities
HBV	Hepatitis B Vaccination
HDF	Hierarchical Data Format
HEPA	High Efficiency Particulate Air
HIV	Human Immunodeficiency Virus
HLDP	High-Level Data Products
HLDPG	High-Level Data Products Group
HLDFMC	High-Level Data Products Management Committee
HM	Hazardous Materials
HMIG	Hazardous Materials Identification Guide
HPC	High Performance Computing
HPS	Hantavirus Pulmonary Syndrome
HQ	Headquarters
HR	Human Resources
HSI	Hispanic Serving Institutions
HTML	Hyper Text Markup Language
HU	Hydrologic Units
HVAC	Heating, Ventilation, and Air Conditioning
HW	Hardware
HYDICE	Hyperspectral Digital Imagery Collection Experiment
HypIRI	Hyperspectral Infrared Imager

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I

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I&I	Instrumentation & Integration
I&T	Integration and Test
I/O, IO	Input/output
IACUC	Institutional Animal Care and Use Committee
IAEA	International Atomic Energy Agency
IANA	Internet Assigned Numbers Authority
IBRCS	Infrastructure for Biology at Regional to Continental Scales
IC	Integrated (electronic) Circuit
ICD	Interface Control Document
IDL	Interactive Data Language
IDLH	Immediately Dangerous to Life and Health
IDP	Integrated Data Processing
IDQ	Indefinite Quantity
IEC	International Electrotechnical Commission
IEOS	Integrated Earth Observing Systems
IFB	Invitation for Bid
IFOV	Instantaneous Field of View
IH	Instrument Hut
IMP	Integrated Master Plan
IMS	Integrated Master Schedule
IMU	Inertial Measurement Unit
INSTAAR	Institute of Arctic and Alpine Research (University of Colorado)
INT	Integration
INU	Inertial Navigation Unit
IOCR	Initial Operational Capability Review
IOSS	Integrated Ocean Observing System
IP	Internet Protocol
iPAR	Intercepted Photosynthetically Active Radiation
IPCC	Intergovernmental Panel on Climate Change
IPR	In-Process Review
IPS	Integrated Project Schedule
IPT	Integrated Project Teams
IR	Infrared
IRD	Interface Requirements Document
IRGA	Infrared Gas Analyzer
IRMS	Isotope Ratio Mass Spectrometry
ISEP	Integrated Science and Education Plan

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ISLSCP	International Satellite Land Surface Climatology Project
ISO	International Standards Organization
ISSO	Information Systems Security Officer
IT	Information Technology
ITC	Integral Turbulence Characteristics
ITU	International Telecommunications Union
IUCN	International Union for the Conservation of Nature
IUPAC	International Union of Pure and Applied Chemistry
IV&V	Integration, Verification, and Validation

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J

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- JHA Job Hazard Analysis
- JIT Just In Time
- JPL Jet Propulsion Laboratory
- JSA Job Safety Analysis
- JVM Java Virtual Machine

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**K**

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KEON	Korea Ecological Observatory Network
KPA	Key Process Areas
KPP	Key Performance Parameter

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## L

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L1	Level 1
L2	Level 2
L3	Level 3
L4	Level 4
LAD	Leo A. Daly
LAI	Leaf Area Index
LAN	Local Area Network
LBA	Large-Scale Biosphere-Atmosphere Experiment in Amazonia
LC	Local Controller
LC	Location Controllers
LDC	Long Distance Carrier
LEC	Local Exchange Carrier
LED	Light-Emitting Diode
LES	Large Eddy Simulation
LHDD	Location Hierarchy Definition Document
LHS	Lawrence Hall of Science
LIDAR	Light Detection and Ranging
LIMS	Laboratory Information Management Systems
LO/TO	Lockout/Tagout
LOE	Level of Effort
LP	Land Processes
LQG	Large Quantity Generator
LRU	Line-Replaceable Unit
LSF	Line Spread Function
LSO	Laser Safety Officer
LTER	Long-Term Ecological Research Network
LUA	Land Use Agreement
LUAP, LUP	Land Use Analysis Package
LUE	Light Use Efficiency

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## M

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M&C	Monitor and Control
M&O	Maintenance and Operations
mAGL	Meters Above Ground Level
MaNIS	Mammal Networked Information System
MASL	Meters Above Sea Level
MCARI	Modified Chlorophyll Absorption Ratio Index
MCOTS	Modified Commercial Off the Shelf
MDP	Mobile Deployment Platform
MDSL	Microsoft Dynamics SL
ME	Monitoring Executive
MES	Manufacturing Execution System
MGC	Multivariate Geographic Clustering
MIL-SPEC	US Military Specification
MIS	Management Information System
MLBS	Mountain Lake Biological Station (SW Virginia)
MOA	Memorandum of Agreement
MODIS	Moderate Resolution Imaging Spectroradiometer
MOM	Minutes of Meeting(s)
MOU	Memorandum of Understanding
MP	Metrics Plan
MPE	Maximum Permissible Exposure
MPLS	Multiprotocol Label Switching
MRDG	Mountain Requirements Design Guidelines
MREFC	Major Research Equipment and Facilities Construction
MRLC	Multi-Resolution Land Characteristics Consortium
MRO	Medical Review Officer
MRP	Manufacturing Resource Planning
MRP	Mobile Relocatable Platform
MRR	Manufacturing Readiness Review
MRS	Mobile Relocatable System
MSc	Master of Science
MSDS	Materials Safety Data Sheet
MSI	Minority Serving Institution
MSL	Mean Sea Level
MTBF	Mean Time Between Failures
MTTF	Mean Time To Failure
MTTR	Mean Time To Repair



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MTTRS            Mean Time To Return to Service  
MUIR            Map Unit Interpretations Record Database  
MVC             Model, View, and Controller Architecture

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## N

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N/A, NA	Not Applicable
NABS	North American Benthological Society
NABT	National Association of Biology Teachers
NACP	North American Carbon Program
NADP	National Atmospheric Deposition Program
NAO	North Atlantic Oscillation
NAQWA	National Water Quality Assessment Program
NASA EOS	National Aeronautics and Space Administration Earth Observing System
NASA	National Aeronautics and Space Administration
NASS	National Agricultural Statistics Service
NAT	Network Address Translation or Translator
NBAR	Nadir BRDF Adjusted Reflectance
NBII	Biological Information Infrastructure
NCALM	National Center for Airborne Laser Mapping
NCAR	National Center for Atmospheric Research
NCEAS	National Center for Ecological Analysis and Synthesis
NCEP-NARR	National Center for Environmental Prediction North American Regional Reanalysis
NGPRL	Northern Great Plains Research Laboratory
NCI	Non-Configured Item
NCR	Non-Conformance Report
NCSS	National Cooperative Soil Survey
NCVL	NEON Calibration and Validation Laboratory
NDC	NEON Design Consortium
NDLI	Normalized Difference Lignin Index
NDVI	Normalized Difference Vegetation Index
NEC	National Electric Code
NED	USGS National Elevation Dataset
NEDL	Noise Equivalent Delta Radiance
NEE	Net Ecosystem Exchange
NEMA	National Electrical Manufacturers Association
NEON	National Ecological Observatory Network
NEP	Net Ecosystem Production
NEPA	National Environmental Policy Act
NESCent	National Evolutionary Synthesis Center
NetCDF	Network Common Data Form
NF	Non-Forested Sites
NFHL	National Flood Hazard Layer

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NFPA	National Fire Protection Association
NFTF	Near Field Test Facility
NGO	Non-Governmental Organizations
NGS	National Geodetic Survey
NHD	National Hydrography Dataset
NI	Networks and Infrastructure
NIBD	Networking and Informatics Baseline Design
NID	National Inventory of Dams
NIDA	National Institute on Drug Abuse
NIMBios	National Institute for Mathematical and Biological Synthesis
NIR	Near Infrared
NIRS	Near-Infrared Reflectance Spectrometry
NIS	NEON Imaging Spectrometer
NISDVU	NEON Imaging Spectrometer Design Verification Unit
NISS	National Institute of Invasive Species Science
NIST	National Institute of Standards
NIU	Network Interface Unit
NLCD	National Land Cover Dataset
NLT	No Later Than
NMAS	National Map Accuracy Standards
NMC	NEON Management Center
NOAA	National Oceanic and Atmospheric Administration
NOCD	NEON Operations Concept Document
NOD	NEON Observatory Design
NOHD	Nominal Ocular Hazard Distance
NOy	Relative Gaseous Nitrogen Compound
NP	National Park
NPAC	NEON Project Advisory Committee
NPE	Non-Propagating Eddies
NPL	National Physical Laboratory
NPN	National Phenological Network
NPOESS	National Polar-orbiting Operational Environmental Satellite System
NPP	Net Primary Productivity or Production
NPP	NPOESS Preparatory Project
NPR	NEON Project Management
NPS	National Park Service
NPV	Non-Photosynthetic Vegetation
NR	Net Radiation
NRC	National Research Council

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NRCS	National Resources Conservation Service
NREL	National Renewable Energy Laboratory
NREL	Natural Resource Ecology Laboratory
NSF	National Science Foundation
NSF-ABI	National Science Foundation—Advances in Biological Informatics
NSS	NEON Satellite Site
NTAD	Transportation Atlas Database
NTN	National Trends Network
NTSB	National Transportation Safety Board

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O

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O&M	Operations and Maintenance
O&S	Operations and Sustainment
OAI-PMH	Open Archives Initiative Protocol for Metadata Harvesting
OB	Optical Bench
OBC	On-Board Calibrator
OBIS	Ocean Biogeographic Information
OBIS	Outdoor Biology Instructional Strategies
OBS	Organizational Breakdown Structure
OCC	Operations Civil Construction Group
ODC	Other Direct Cost
OFS	Optical Fiber Communication System
OH	Overhead
OID	Operational Instruction Document
OLS	Operations, Logistics, and Supportability
OMB	Office of Management and Budget
OOB	Out of the Box
OPIM	Other Potentially Infectious Material
OPS	Operations
ORD	Observatory Requirements Document
ORG	Organization
ORR	Operations Readiness Review
ORION	Ocean Research Interactive Observatory Networks
ORP	Oxidation Reduction Potential
OSBS	Ordway Swisher Biological Station
OSHA	Occupational Safety and Health Administration
OSM	Observation and Sample Management
OSS	Operational (Operation) Support System
OTS	Off the Shelf
OTU	Operational Taxonomic Unit
OV	Operational View

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P

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P&C	Procurement and Contracts
PA, P/A	Product Assurance
PA	Posterior Anterior
PAC	Program Advisory Committee
PAD	Protected Areas Database
PAI	Permit Authorizing Individual
PAM	Pulse Amplitude Modulated
PAR	Photosynthetically Active Radiation
PAR	Preliminary Acceptance Review
PBB	Project BudBurst
PC	Personal Computer
PCA	Physical Configuration Audit
PCDA	Portal CDS Data Access
PCR	PMCS Change Request
PCR	Polymerase Chain Reaction
PCS	Portal Container Sets
PD	Professional Development
PDA	Personal Digital Assistant
PDO	Pacific Decadal Oscillation
PDP	Preliminary Design Phase
PDR	Portal Data Replication
PDR	Preliminary Design Review
PDR	Primary Data Repository
PDR	Processed Data Repository
PDS	Power Distribution System
PEL	Permissible Exposure Level
PEP	Project Execution Plan
PET	Potential Evapotranspiration
PF	Planar Fit
PFA	PLANTS Floristic Area
PFT	Plant Functional Types
PHA	Preliminary Hazard Analysis
PI	Principal Investigator
PIC	Pilot in Command
PIDR	Production Intent Design Review
PIM	Payload Integration Mount
PIM	Platform Integration Mount

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PISCO	Partnership for Interdisciplinary Studies of Coastal Oceans
PM	Preventive Maintenance
PM	Project Manager
PMB	Performance Measurement Baseline
PMCS	Project Management Control System
PMO	Project Management Office
PMR	Problem Management Record
PNVG	Potential Natural Vegetation Group
PO	Project Office
PO	Purchase Order
POC	Point of Contact
PoE	Power over Ethernet
POM	Particulate Organic Matter
POP	Point of Presence
POTS	Plain Old Telephone Service
PP	Planning Package
PPC	Public Program Coordinator
PPE	Personal Protective Equipment
PPFD	Photosynthetic Photon Flux Density
PPM	Policy and Procedure Manual
PR	Purchase Requisition
PRCS	Permit Required Confined Space
PRF	Pixel Response Function
PRI	Photochemical Reflectance Index
PRO, PROD	Production
PRR	Pre-Production Readiness Review
PRT	Platinum Resistance Temperature or Thermometer
PSA	Particle Size Analyzer
PSD	Physical Sciences Division
PSE	Project Systems Engineering
PST	Product Support Teams
PSTN	Public Switched Telephone Network
PT	Product Team
PTL	Product Team Lead
PTR	Post Test Review
PTR	Problem Tracking and Reporting or Problem Ticket Reporting
PV	Planned Value
PVC	Polyvinyl Chloride
PVC	Product Version Control

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## Q

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Q1	Quarter 1
Q2	Quarter 2
Q3	Quarter 3
Q4	Quarter 4
Q/A, QA	Quality Assurance
Q/C, QC	Quality Control
QFD	Quality Function Deployment
QLFT	Qualitative Fit Test
QMH	Qualitative Multi-Habitat
QMP	Quality Management Plan
QNFT	Quantitative Fit Test
Qpcr	Quantitative Polymerase Chain Reaction
QTP/P	Qualification Test Plan/Procedures
QTR	Qualification Test Report



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## R

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R1	Release 1
R2	Release 2
R3	Release 3
R4	Release 4
RAC	Real Application Cluster
RAID	Redundant Arrays of Inexpensive Disks
RAM	Random Access Memory
RAMS	Reliability, Availability, Maintainability, and Safety
RBS	Resource Breakdown Structure
RCRA	Resource Conservation Recovery Act
RD	Reference Document
RDAS	Regional Data Assimilation System
RDP	Review Document Parcel
RDR	Raw Data Repository
RDS	Rapid Deployment Systems
RDTR	Requirements Decomposition and Traceability Review
RFI	Radio Frequency Interference
RFI	Request for Information
RFID	Radio Frequency Identification
RFP	Request for Proposal
RFQ	Request for Quote
RFW	Request for Waiver
RID	Review Item Discrepancy
RMNP	Rocky Mountain National Park
RMP	Risk Management Plan
RMS, r.m.s.	Root Mean Square
RMT	Risk Management Team
ROM	Rough Order of Magnitude
ROPS	Roll Over Protection
ROW	Right of Way
RPM	Revolutions per Minute
RRQRR	Reversed Random Quadrat-Recursive Raster
RSP	Remote Sensing Payload
RTC	Rational Team Concert
RTD	Resistance Temperature Detector
RTM	Requirements Traceability Matrix
RTS	Relocatable Tower System

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- RTU            Remote Terminal Units
- RTW            Return to Work
- RVM            Requirements Verification Matrix
- RVSI            Red Edge Vegetation Stress Index

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## S

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SAR	System Architecture Requirement
SAT	System Acceptance Test
SBE	Social, Behavioral & Economic Sciences
SC	Site Characterization
SCB	Society for Conservation Biology
SCBI	Smithsonian Conservation Biological Institute
SCI	Science
SCIP	Simultaneously Collimated Injection Platform
SCM	Software Configuration Management
SCMP	Software Configuration Management Plan
SCSI	Small Computer System Interface
SD	Standard Deviation
SDD	Site Depiction Document
SDD	Software Design Description
SDF	Software Development Files
SDFIR	Small Double Fence Intercomparison Reference
SDL	Software Development Library
SDLC	Systems Development Life Cycle
SDP	Software Development Plan
SDPM	Science and Data Products Management
SDR	Secondary Data Repository
SDR	Systems Design Review
SE	Standard Error
SE	Systems Engineering
SEA	Science and Engineering Alliance
SEAPON	Science and Engineering Phosphorous Observatory Network
SEEDS	Strategies for Ecology Education, Development and Sustainability
SEI	Software Engineering Institute
SEIV	Systems Engineering Integration & Verification
SEL	Software Engineering Lab
SEMP	Systems Engineering Management Plan
SERC	Smithsonian Environmental Research Center
SF	Support Facility(ies)
SHPO	State Historic Preservation Office
SI	Smithsonian Institution
SIDD	Software Interface Design Description
SIF	Submersible In-situ Fluorometers

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SIGEO	Smithsonian Institution Global Earth Observatories
SIL	Stable Isotope Laboratory
SIR	Soil Interpretations Record
SIS	Spectral Imaging Sphere
SLA	Service Level Agreement
SLOC	Source Lines of Code
SMART	Specific, Measurable, Achievable, Relevant, and Time-bound
SNARL	Sierra Nevada Research Lab
SNMP	Simple Network Management Protocol
SNR	Signal to Noise Ratio
SNV	Sin Nombre Virus
SOH	State of Health
SOM	Science Operations Management (or Manager)
SOO	Statement of Objective
SOP	Standard Operating Procedure
SOW	Statement of Work
SPC	Science Program Coordinator
SPI	Schedule Performance Index
SQA	Software Quality Assurance
SQG	Small Quantity Generator
SRD	Science Requirement Document
SRF	Spectral Response Function
SRM	Standard Reference Materials (NIST)
SRP	Software Reuse Plan
SRP	Soluble Reactive Phosphorous
SRR	System Requirements Review
SRTM	Shuttle Radar Topography Mission
SSDD	System/Subsystem Design Description
SSH	Secure Shell
SSRC3	SE and Science Requirements and Command, Control, and Configuration
SSURGO	Soil Survey Geographic Database
STATSGO	State Soil Geographic Database
STC	Supplementary Type Certificate
STCDD	Sensor Type Configuration Definition (or Data) Document
STEAC, STAC	Science, Technology, and Education Advisory Committee
STEM	Science, Technology, Engineering, and Mathematics
STF	Sensor Technical Facility
STPP	Soil Temperature Profile Probe
STR	Science Technical Requirement

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STREON	Stream Experimental Observatory Network
STR	STREON
SURFRAD	Surface Radiation Network
SV	Schedule Variance
SV	Systems and Services View
SVD	Software Version Description
SW	Shortwave Radiation
SW	Software
SWC	Soil Water Content
SWD	Switch Duty Rated
SWG	Sensor Working Group
SWIR	Shortwave Infrared
SWP	Soil Water Potential
SYS	Systems Engineering

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## T

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T&A	Transition and Acquisition
TARDIS	Testing Analog Resistance Digital Integrated Sensors
TBCB	Test Bed Control Board
TBD	To Be Determined
TBR	To Be Reviewed
TCU	Tribal Colleges and Universities
TDP	Total Dissolved Phosphorous
TDR	Time Domain Reflectometry
TDS	Total Dissolved Solids
TDWG	Taxonomic Databases Working Group
TEC	Technical Evaluation Committee
TEM	Technical Exchange Meeting
TEP	Test and Evaluation Plan
TERN	Terrestrial Ecosystem Research Network
TF	Technical Facilities
TGCE	Terrestrial Global Change Experiment
TGUC	Trace Gas Unit Conversion
TIC	Total Inorganic Carbon
TIFF	Tag(ged) Image File Format
TIS	Terrestrial Instrumentation System
TM	Thematic Mapper
TMTB	Table Mountain Test Bed
TOC	Total Organic Carbon
TOIL	Twin Otter International Ltd.
TOO	Target of Opportunity
TOR	Technical and Operational Requirement
TOS	Terrestrial Observation System
TP	Total Phosphorous
TPC	Transaction Processing Council
TQM	Total Quality Management
TRP	Temperature Reference Probe
TRR	Test Readiness Review
TSS	Total Suspended Solids
TV	Technical Standards View
TWA	Time-Weighted Average
TWGRN	Terrestrial Wetland Global Change Research Network
TWG	Technical Working Group

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## U

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UAAG	User Agent Accessibility Guidelines
UAF	University of Alaska Fairbanks
UAM	University of Alaska Museum
UCSB	University of California Santa Barbara
UDD	User Documentation Description
UI	User Interface
UIN	Unique Identification Number
UL	Underwriters Laboratory
ULPA	Ultra Low Penetration Particulate Air
UNAVCO	University NAVSTAR Consortium
UNDERC	University of Notre Dame Environmental Research Center
UN-WMO	United Nations World Meteorological Organization
UPS	Uninterruptible Power Supply
USACE	United States Army Corp of Engineers
USAID	United States Agency for International Development
USA-NPN	United States National Phenology Network
USBLM	United States Bureau of Land Management
USBTS	United States Bureau of Transportation Statistics
USCRN	United States Climate Reference Network
USDA	United States Department of Agriculture
USDOT	United States Department of Transportation
USEPA	United States Environmental Protection Agency
USFS	United States Forest Service
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
USHCN	United States Historical Climatology Network
USPS	United States Postal Service
UV	Ultraviolet
UVA	University of Virginia

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V

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V&V	Verified and Validated
V/V	Validation and Verification
VAC	Volts Alternating Current
VEMAP	Vegetation/Ecosystem Modeling and Analysis Project
VLA	Very Large Array
VM	Virtual Machine
VMI	Vendor-Managed Inventory
VOC	Volatile Organic Compounds
VoIP	Voice Over Internet Protocol
VPD	Vapor Pressure Deficit
VPN	Virtual Private Network



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## W

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W3C	World Wide Web Consortium
WAI	Web Accessibility Initiative
WALI	Waveform Altimeter LiDAR
WAN	Wide Area Network
WAP	Wireless Access Point
WBD	Watershed Boundaries Dataset
WBS	Work Breakdown Structure
WCAG	Web Content Accessibility Guidelines
WEPAN	Women in Engineering ProActive Network
WF	Winter Wheat Fallow
WGS84	World Geodetic System 84
WHO	World Health Organization
WI	Work Items
WID	Workflow Interface Document
WKT	Well-Known Text
wLiDAR	Waveform- Light Detection and Ranging
WMF	Winter Wheat-Maize Fallow
WMO	World Meteorological Organization
WMPF	Winter Wheat-Maize-Proso Millet Fallow
WO	Work Order
WP	Web Portal
WP	Work Packages
WRMC	World Radiation Monitoring Center
WRR	World Radiometric Reference
WUE	Water Use Efficiency

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X

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XSD                    XML Schema Definition  
XSEDE                Extreme Science and Engineering Discovery Environment

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Y

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YNP

Yellowstone National Park