

Acronyms and Abbreviations

A/D	Analog to Digital
ACBM	Active Common Berthing Mechanism
ACBSP	Assembly Contingency Baseboard Signal Processor
ACLS	Advanced Cardiac Life Support
ACS	Attitude Control System
AD	Active Device
AFD	Aft Flight Deck
AGIT	Antenna Group Immediate Frequency Tube
Ah	Ampere Hour
ALSP	Advance Life Support Pack
AOH	Assembly Operations Handbook
APAS	Androgynous Peripheral Assembly System
APCU	Assembly Power Converter Unit
APDS	Androgynous Peripheral Docking System
APFR	Articulating Portable Foot Restraint
APM	Ambulatory Medical Pack
	Attached Pressurized Module
AR	Atmosphere Revitalization
ARCU	American-to-Russian Converter Unit
ASCR	Assured Safe Crew Return
ATV	Automated Transfer Vehicle
AUIAU	ASC/UHF Audio Interface Unit
BC	Bus Controller
BCDU	Battery Charge/Discharge Unit
BDT	Binary Data Transfer
BGA	Beta Gimbal Assembly
BGDTS	Beta Gimbal Deployment/Transition Set
BGHS	Beta Gimbal Housing Subassembly
BG/PVAA	Beta Gimbal/Photovoltaic Array Assembly
BIA	Bus Interface Adapter
BIT	Built-In Test
BITE	Built-In Test Equipment
BIU	Bus Interface Unit
BMR	Body-Mounted Radiator
BMRRM	Bearing, Motor, and Roll Ring Module
BOL	Beginning of Life
BRS	Blanket Restraint System
BSCCM	Battery Signal Conditioning and Control Module
BSP	Baseband Signal Processor
BTLS	Basic Trauma Life Support
C&C	Command and Control
C&DH	Command and Data Handling
C&T	Communications and Tracking

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C&W	Caution and Warning
CADU	Channel Access Data Unit
CB	Command Bus
CBCS	Centerline Berthing Camera System
CBM	Common Berthing Mechanism
CC	Central Computer
CCPK	Crew Contamination Protection Kit
CCSDS	Consultative Committee for Space Data Systems
CCTV	Closed-Circuit Television
CDR	Critical Design Review
CDRA	Carbon Dioxide Removal Assembly
CETA	Crew and Equipment Translation Aid
CHeCS	Crew Health Care System
CHIA	Cargo Handling Interface Adapter
CIL	Critical Items List
CMG	Control Moment Gyro
CMO	Crew Medical Officer
COTS	Commercial Off-the-Shelf
CPDS	Crew Passive Dosimeter
CPP	Connector Patch Panel
CRT	Cathode-Ray Tube
CSA-CP	Compound Specific Analyzer-Combustion Product
CSCI	Computer Software Configuration Item
CT 2	Communication and Tracking 2
CTP	Command and Telemetry Processor
CTV	Crew Transfer Vehicle
CWC	Contingency Waste Collection
DC	Docking Compartment
DDCU	DC to DC Converter Unit Direct Current-to-Direct Current Converter Unit
DDCUE	DC to DC Converter Unit External
DDCU-HP	DDCU with Heat Pipe Radiators
DDCUI	DC to DC Converter Unit Internal
DCSU	Direct Current Switching Unit
DIA	Diagnostic
DIO	Discrete Input/Output
DMCU	Docking Mechanism Control Unit
DMS	Data Management System
DSCU	Docking System Control Unit
DTO	Detailed Test Objective
Early Comm	Early Communications System
EATC	External Active Thermal Control
EATCS	External Active Thermal Control System
ECLSS	Environmental Control and Life Support System/Subsystem
ECOMM	Early Communications System

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ECU	Electronic Control/Coupling Unit Electronic Control Unit
EDAC	Error Detection and Correction
EDP	Electronic Document Project
EE	End Effector
EEATCS	Early External Active Thermal Control System/Subsystem
EEPROM	Electrically Erasable Programmable Read-Only Memory
EETCS	Early External Thermal Control System
EMI	Electromagnetic Interference
EMI/EMC	Electromagnetic Interference/Electromagnetic Compatibility
EMU	Extravehicular Mobility Unit
EOL	End of Life
EPCS	Early Portable Computer System
EPS	Electrical Power System/Subsystem
ERSU	External RSU
ESA	European Space Agency
ESSMDM	Enhanced Space Station MDM
ESSU	Energy Storage Subsystem Upgrade
ETCS	External Thermal Control System
ETE	End-to-End
ETI	Elapsed Time Indicator
ETSD	External Tool Stowage Device
EV	Extravehicular
EVA	Extravehicular Activity
EVAS	EVA System
FAST	Folding Articulated Square Truss
FCC	Flat Collector Circuit
FCV	Flow Control Valve
FD	Flight Day
FDF	Flight Data File
FDIR	Fault Detection, Isolation, and Recovery
FDS	Fire Detection and Suppression
FGB	Functional Cargo Block
FQDC	Fluid Quick Disconnect Coupling
FRGF	Flight Releasable Grapple Fixture
FRR	Flight Readiness Review
FS	File Server
FSE	Flight Support Equipment
GFE	Government-Furnished Equipment
GLONASS	Global Navigational Satellite System
GNC	Guidance, Navigation, and Control
GPC	General Purpose Computer
GSE	Ground Support Equipment
GSFC	Goddard Space Flight Center

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H&S	Health and Safety
H/W	Hardware
HCA	Hollow Cathode Assembly
HDL	High-Rate Data Link
HEDS	Human Exploration and Development of Space
HEI	Hernandez Engineering, Inc.
HGA	High Gain Antenna
HP	Heat Pipe
HPR	Heat Pipe Radiator
HRD	High Rate Data High Rate Dosimeter
HRM	Heart Rate Monitor High-Rate Mode
HRW	Heart Rate Watch
HTD	Human Exploration and Development of Space Technology Demonstration
I/F	Interface Intermediate Frequency
I/O	Input/Output
IACO	Installation, Assembly, and Checkout
IAPFR	
IATC	Internal Active Thermal Control
ICC	Instrumentation Cargo Compartment
ICD	Interface Control Document
ID	Inside Diameter
IDA	Initialization Diode Assembly
IEA	Integrated Electronics Assembly
IEE	Integrated Equipment Assembly
IF	Interface
IMS	Inventory Management System
IMV	Intermodule Ventilation
IOCC	Input/Output Card Controller
IP	International Partner
IRD	Interface Requirement Document
IRED	Interim Resistive Exercise Device
ISS	International Space Station
ISSP	International Space Station Program
ITS	Integrated Truss Segment
IV	Intravehicular
IVA	Intravehicular Activity
IWIS	Internal WIS
JOP	Joint Operating Panel
JSC	Johnson Space Center

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kbps	kilobits per second
kg	kilogram
km	kilometer
KSC	Kennedy Space Center
LAN	Local Area Network
LCU	LED Control Unit
LDI	Local Data Interface
LDRI	Laser Dynamic Range Imager
LED	Light Emitting Diode
LFDP	Load Fault Detect/Protect
LGA	Low Gain Antenna
LSAR	Logistics Support Analysis Report
LSE	Launch Support Equipment
LSM	Life Support Module
LSS	Life Support System
LTA	Launch to Activation
LV/LH	Local Vertical/Local Horizontal
MBM	Manual Berthing Mechanism
mbps	megabytes per second
MBSU	Main Bus Switching Unit
MCC	Mission Control Center
MCC-H	Mission Control Center-Houston
MCC-M	Mission Control Center-Moscow
MCDS	Management Communication and Data System
	Multipurpose Crew Display System
MCS	Motion Control System
MDA	Motor Drive Assembly
MDM	Multiplexer/Demultiplexer
MIL-STD	Military Standard
MIP	Mission Integration Plan
MLI	Multilayer Insulation
mm	millimeter
MM/OD	Micrometeoroid/Orbital Debris
MOD	Mission Operations Directorate
MPEV	Manual Pressure Equalization Valve
MPLM	Mini-Pressurized Logistics Module
	Multipurpose Logistics Module
MPM	Manipulator Positioning Mechanism
MRL	Manipulator Retention Latch
ms	milliseconds
MSC	Mobile Servicing Center
MSID	Measurement Stimulus Identification
MSS	Mobile Servicing System
MT	Mobile Transporter
MU	Match Unit

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μs	microseconds
N/A	Not Applicable
n. mi.	nautical mile
NASA	National Aeronautics and Space Administration
NCS	Node Control Software
NCU	Network Control Unit
NIU	Network Interface Unit
NPRV	Negative Pressure Relief Valve
NRZ-M	Non-Return-to-Zero Mark
OCA	Orbiter Communications Adapter
OCC	Onboard Complex Control
OCCS	Onboard Complex Control System
OCS	Onboard Computer System
OD	Outside Diameter
ODF	Operations Data File
ODS	Orbiter Docking System
OIU	Orbiter Interface Unit
OMS	Onboard Measuring Subsystem
OPP	OSVS Patch Panel
ORU	Orbital Replacement Unit
OS	On-Orbit Segment
OSD	Operations Support Department
OSE	Orbital Support Equipment
OSHF	Onboard S-Band High Frequency
OSVS	Orbiter Space Vision System
OSVU	Orbiter Space Vision Unit
OTD	ORU Transfer Device
P6	Port 6
PA	Pressurized Adapter
PBA	Portable Breathing Apparatus
PCBA	Portable Clinical Blood Analyzer
PCBM	Passive Common Berthing Mechanism
PCIA	Portable Computer Interface Adapter
PCMCIA	Portable Computer Memory Card International Adapter
PCMMU	Pulse Code Modulation Master Unit
PCR	Portable Computer Receptacle
PCS	Portable Computer System
PCU	Plasma Contactor Unit
PD	Physical Device
PDI	Payload Data Interface
PDIP	Payload Data Interface Panel
PDRS	Payload Deployment and Retrieval System
PDS	Passive Dosimetry System
PEV	Pressure Equalization Valve

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PFCS	Pump and Flow Control Subassembly
PFE	Periodic Fitness Evaluation
	Portable Fire Extinguisher
PFR	Portable Foot Restraint
PG	Product Group
PGSC	Payload General Support Computer
PGT	Pistol Grip Tool
PIT	Preintegrated Truss
PLB	Payload Bay
PM	Pressurized Module
PMA	Pressurized Mating Adapter
PMAD	Power Management and Distribution
PMCA	Power Management Controller Application
PMCU	Power Management Controller Unit
PN	Pseudorandom Noise
POR	Point of Resolution
POST	Power-On Self-Test
PPCO ₂	Partial Pressure of Carbon Dioxide
PPRV	Positive Pressure Relief Valve
PRCS	Primary Reaction Control System
PRI	Primary
PRLA	Payload Retention Latch Assembly
PSI	Parameter Status Indication
psid	pounds per square inch differential
psig	pounds per square inch gauge
PSP	Payload Signal Processor
PSS	Power Supply System
PTB	Payload Timing Buffer
PTCS	Passive Thermal Control Subsystem
PUI	Program-Unique Identifier
PV	Photovoltaic
PVAA	Photovoltaic Array Assembly
PVCA	Photovoltaic Controller Application
PVCU	Photovoltaic Control Unit
PVM	Photovoltaic Module
PVR	PV Radiator
QD	Quick Disconnect
RACU	Russian-to-American Converter Unit
RAMS	Radiation Area Monitoring System
RBI	Remote Bus Isolator
RCS	Reaction Control System
RF	Radio Frequency
RFG	Radio Frequency Group
RFHX	Radiant Fin Heat Exchanger
RFPDB	RF/Power Distribution Box

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RFX	Radiant Fin Heat Exchanger
RHC	Rotational Hand Controller
RIRS	Reflector Interface Ring Structure
RMS	Remote Manipulator System
ROEU	Remotely Operated Electrical Umbilical
ROS	Russian On-Orbit Segment
RPC	Remote Power Controller
RPCM	Remote Power Controller Mode
RPDA	Remote Power Distribution Assembly
RS	Russian Segment
RSA	Russian Space Agency
RSU	Remote Sensing Unit
RT	Remote Terminal
RTAS	Rocketdyne Truss Attachment System
RTD	Resistive Temperature Device
	Resistive Thermal Device
RTE	Run Time Environment
RTL	Ready to Latch
RTS	Radio Telemetry System
S/W	Software
S0	Starboard-zero
S1	Starboard-one
SABB	Solar Array Blanket Box
SAFER	Simplified Aid for EVA Rescue
SARJ	Solar Array Rotary Joint
SASA	S-Band Antenna Subassembly
	S-Band Antenna Support Assembly
SAW	Solar Array Wing
SBS	Series Bungee System
SCA	Switchgear Controller Assembly
SDO	Solenoid Driver Output
SDP	Standard Data Processor
SGANT	Space-to-Ground Antenna
SGTRC	Space-to-Ground Transmit/Receive Controller
SHF	S-Band High Frequency
SLD	Subject Load Device
SM	Service Module
SMCC	Service Module Central Computer
SO	Standard Out
SODF	Station Operations Data File
SPD	Serial Parallel Digital
	Subject Positioning Device
SPDA	Secondary Power Distribution Assembly
SPM	Solar Power Module
SRMS	Shuttle Remote Manipulator System
SSA	S-Band Single Access

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SSAF	S-Band Single Access Forward
SSAS	Segment-to-Segment Attachment System
SSC	Station Support Computer System Support Computer
SSE	Space Station Eyewash
SSEC	Secondary
SSMDM	Space Station Multiplexer/Demultiplexer
SSOR	Space-to-Space Orbiter Radio
SSP	Standard Switch Panel Space Station Program
SSRMS	Space Station Remote Manipulator System
SSSH	Space Shuttle Systems Handbook
SSU	Sequential Shunt Unit
STS	Space Transportation System
SVS	Space Vision System
SWIS	Shuttle-Based WIS
tb	talkback
TBD	To be Determined
TC	Terminal Computer
TCS	Thermal Control System
TDRS	Tracking and Data Relay Satellite
TDRSS	Tracking and Data Relay Satellite System
TEA	Torque Equilibrium Attitude
TEPC	Tissue Equivalent Proportional Counter
THC	Temperature and Humidity Control Translational Hand Controller
TORU	Teleoperator Control System
TRA	Transmit/Receive Amplifier
TRC	Transmit/Receive/Controller
TTCS	Telephone-Telegraph Communication Subsystem
TTL	Transfer Tracking Log
TUS	Trailing Umbilical System
TVIS	Treadmill Vibration and Isolation System
UAS	User Application Software
U.S.	United States
UDM	Universal Docking Module
UHF	Ultrahigh Frequency
USA	United Space Alliance
USOS	United States On-Orbit Segment
VBSP	Video Baseband Signal Processor
VIU	Video Interface Unit
VPU	Video Processing Unit
VSU	Video Switching Unit
VTR	Video Tape Recorder

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VTS	Video Teleconferencing System
WIF	Worksite Interface
WIS	Wireless Instrumentation System
WM	Waste Management
WRM	Water Recovery and Management
XPDR	Transponder
ZSR	Zero-g Stowage Rack

Russian Acronyms

АД	Blood Pressure
АЧН	Navigation Satellite Instrumentation
АСС	Message Acquisition System
АСУ	Toilet
АФУ	Antenna Feeder Unit
БА СОА	Vozdukh Automatic Control Unit
БВС	Onboard Computer System
БД	Secondary Purification Unit
БЖ	Liquid Unit
БИТС2-12	Onboard Measurement Telemetry Subsystem
БКГА	Gas Analysis Calibration Assembly
	Gas Analyzer Monitoring Unit
БОА	Vozdukh Valve Panel
БП	Pump Unit
БПА	Nitrogen Purge Assembly
БПО	Preliminary Drying Unit
БПС	Signal Conversion Unit
БТА	Heat Exchanger Unit
ВН	Vacuum Pump
ГЖТА	Gas-Liquid Heat Exchanger Assembly
ДД	Pressure Sensors
ДТ	Temperature Sensors
ЕДВ-СВ	Flush Water Container
ЖЖТ	Liquid-Liquid Heat Exchanger

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ИЗОГ	Calf Measurement Device
ИКР	Rodnik Status Panel
ИМ	Mass Measurement Device
ИнПУ	Integrated Control Panel
ИПЖ	Liquid Carryover Indicator
КЛГ	Local Group Commutator
КТВ	Non-Potable Container
КУ	Compressor
КЦП	Central Post Computer
ЛКА	Local Analog Commutator
МНР-НС	Air-Water Separator
ПУРВ-К2М	Condensate Water Processor Control Panel
ПхО	Transfer Compartment
РПГ	Rheoplethysmography
РПД	Pressure Differential Regulator
СБИ	Onboard Measurement System
СИМВОЛ-Ц	Simvol-Ts
СКВ	Air Conditioning System
СКО	Oxygen Generation Hardware
СОТР	Thermal Control System
СПК-У	Urine Collection Assembly
СРВ-К2М	Condensate Water Processor
СТ-64	Current Regulator
СТТС	SM Audio subsystem
СУВА	Onboard Equipment Control System
СУДН	Motion Control and Navigation System
ТВС	Television Subsystem
ТОРУ	Teleoperator Control System