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**Space Transportation System and Associated
Payloads: Glossary, Acronyms, and Abbreviations**

Compiled by Management Operations Office
and Space Shuttle Projects Office

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PREFACE

This is a collection of some of the acronyms and abbreviations now in everyday use in the shuttle world. It is a combination of lists that have been prepared at Marshall Space Flight Center and Kennedy and Johnson Space Centers, places where intensive shuttle activities are being carried out. In the nature of acronyms—which are compressed identifiers of systems or structures felt to be too long and cumbersome to be spelled out in the normal fashion—the list is neither comprehensive nor totally up to date. This guide should be used in conjunction with the *Government Printing Office Style Manual*, following the *GPO* rules of capitalization, punctuation, spelling, etc. This list is intended as a guide or reference and should not be considered to have the status and sanction of a dictionary.

The transience of technical acronyms is best demonstrated by contrasting this list with the special lingo and jargon employed during the days of Apollo. A limited number of terms are the same, but the working groups speak in a different dialect. Perhaps the best way to think of this collection is as a phrasebook to help observers make their way in comprehending parts of a brand-new world.

SECTION I

GLOSSARY

A

Accelerated Launch Date Option

Schedule option involving additional costs that permits a user who has already negotiated a launch date to specify an earlier launch.

Acceptance Tests

Tests to determine that a part, component, subsystem, or facility is capable of meeting performance requirements prescribed in purchase specifications, or other documents specifying what constitutes the adequate performance capability for the item.

Aft Flight Deck

That part of the orbiter cabin on the upper deck where payload controls can be located.

Airlock

A compartment, capable of being depressurized without depressurization of the orbiter cabin, used to transfer crewmembers and equipment. A similar compartment in the Spacelab module is used to expose experiments to space.

Announcement of Flight Opportunity

The process by which proposed investigations are solicited for a specific space flight.

Announcement of Flight Periods

The process by which proposed investigations are solicited for space flight within a designated time period, but without a specific flight number identification. The flight period may include plans for one or more flights.

Assembly

A number of parts, or subassemblies and/or any combination thereof, joined together to perform a specific function and capable of disassembly. The distinction between an assembly and a subassembly is determined by the individual application. An assembly in one instance may be a subassembly in another, where it forms a portion of an assembly.

Atlas-Centaur Class

Payloads weighing approximately 4,000 to 4,400 pounds (1,800 to 2,000 kilograms).

Attaching Part

An item used to attach subassemblies or parts to the equipment, or to each other.

Automated Payloads

Those payloads which are supported by an unmanned spacecraft capable of operating independently of the Space Transportation System (STS).

Auxiliary Stage

A small propulsion unit used with a payload, when required. One or more of these units may be used with a payload to provide the additional velocity required to place a payload in the desired orbit or trajectory. Also, a propulsion system that is used to provide midcourse trajectory corrections, braking maneuvers, and/or orbital adjustments.

Azimuth

True launch heading measured clockwise from 0° north.

B

Barbecue Mode

Orbiter in slow roll for thermal conditioning.

Beta Angle

Minimum angle between the Earth-Sun line and the plane of the orbit.

Bill of Work

A detailed work schedule which lists all operation and maintenance (O&M) tasks required to be performed at each work station for a specific vehicle turnaround. It also contains applicable information such as sequence of performance, O&M instruction number, work authorization number, time allocated, manpower, skill level, and the start and completion date.

C

Capture

The event of the remote manipulator system end effector making contact with and firmly attaching to a payload grappling fixture. A payload is captured at any time it is firmly attached to the remote manipulator system.

Cargo

The total complement of payloads (one or more) on any one flight. It includes everything contained in the orbiter cargo bay plus other equipment, hardware, and consumables located elsewhere in the orbiter that are user-unique and are not carried as part of the basic orbiter payload support.

Cargo Bay

The unpressurized mid part of the orbiter fuselage behind the cabin aft bulkhead where most payloads are carried. Its maximum usable payload envelope is 15 feet (4.6 meters) in diameter and 60-feet (18.3-meters) long. Hinged doors extend the full length of the bay.

Cargo Bay Liner

Protective soft material used to isolate sensitive payloads from the bay structure.

Cargo Integration Review

Part of Space Transportation System (STS) planning process that results in a cargo manifest, cost per flight, and billing schedule.

Cargo Integration Test Equipment

Setup that can provide testing of both payload-to-payload and cargo-to-orbiter interfaces.

Certificate of Compliance

Documentation prepared by the user confirming that a payload has successfully completed interface verification.

Certification

Formal documentation that the individual has reached the prescribed skill or knowledge level as cited in a NASA specification, contract specification, or other appropriate documents.

Commander

This crewmember has ultimate responsibility for the safety of embarked personnel and has authority throughout the flight to deviate from

the flight plan, procedures, and personnel assignments as necessary to preserve crew safety or vehicle integrity. The commander is also responsible for the overall execution of the flight plan in compliance with NASA policy, mission rules, and Mission Control Center (MCC) directives.

Commercial Part or Item

A part or item which is manufactured primarily for the commercial rather than the government market and having both commercial and government applications. Commercial parts also include parts which are manufactured in accordance with normal commercial quality controlled production runs which meet or exceed the requirements of government specifications or standards.

Common Payload Support Equipment

Spacelab-provided mission-dependent equipment that consists of a top airlock and a viewport/window assembly.

Component

An assembly or any combination of parts, sub-assemblies and assemblies, and assemblies mounted together and normally capable of independent operation in a variety of situations.

Concurrent Delivery

The delivery of support items concurrently with the end item being provisioned.

Condition Monitored

Those items that have neither limited life nor on-condition maintenance as their primary maintenance process. Condition monitoring is accomplished mainly by in-place instrumentation, sampling, and subsequent trending analysis which provides data to predict an incipient failure.

Construction Award

The effective date of direction from the NASA contracting office to the selected contractor authorizing commencement of work. Issue of the Notice of Award by the NASA procurement office completes this milestone.

Construction Complete

Appropriate facility construction is complete and the facility is available for equipment installation. Certification by the site activation office completes this milestone.

Contract Award

The effective date of direction from the NASA contracting office to the selected contractor authorizing commencement of work. Issue of Notice of Award by the NASA procurement office completes this milestone.

Contractor

The supplier of the end item and associated support items to the Government under the terms of a specific contract.

Core Segment

Section of the pressurized Spacelab module that houses subsystem equipment and experiments.

Crew Activity Planning

The analysis and development of activities to be performed in flight by the crew, resulting in a time line of these activities and reference data for each flight.

Customer (or User)

An organization or individual requiring the services of the Space Transportation System (STS).

D**Deadband**

That attitude and rate control region in which no orbiter reaction control subsystem or vernier correction forces are being generated.

Dedicated Spacelab

An extension module devoted to a single discipline which may fly more than once a year for several years, and which may be assigned to a payload development center.

Deep Space Network

Communications network managed by the Jet Propulsion Laboratory for command and control of all planetary flights.

Delta Class

Payloads weighing approximately 2,000 to 2,500 pounds (900 to 1,100 kilograms).

Deployment

The process of removing a payload from a stowed or berthed position in the cargo bay and releasing that payload to position free of the orbiter.

Design Change

A NASA approved engineering change incorporated into the end item which modifies, adds to, deletes, or supersedes parts in the end item.

Design Reviews***Critical Design Review***

A meeting chaired by the appropriate project manager, or his designated representative, to assure that the completed designs are in consonance with level II and project specifications.

Preliminary Design Review

A meeting chaired by the appropriate project manager, or his designated representative, at which preliminary designs are reviewed with prime contractors to assure compliance with system and project requirements.

30-Percent Design Review

A meeting chaired by the responsible project engineer, or his designated representative, at which preliminary designs are reviewed to assure satisfaction of system and project requirements.

90-Percent Design Review

A meeting chaired by the responsible project engineer, or his designated representative, at which final designs are reviewed to assure compliance with system and project specifications.

Downweight

Landing weight. It refers specifically to payloads and all items required by specific payloads.

Drawings

Graphic data, including drawings as defined in MIL-STD-100A and prepared in accordance with MIL-D-1000, Category D, aperture cards in accordance with MIL-D-9877; graphs, or diagrams, industry standards and industry specifications, on which details are represented with sufficient information to define completely, directly or by reference, the end result in the selection, procurement, and manufacture of the item required.

E

End Article/End Item

A physical element of the Space Transportation System (STS). It is a functional physical entity related and selected for the purpose of system development, procurement, and logistics.

End Item

A final combination of end products, components, parts, or materials which is ready for its intended use; e.g., orbiter, receiver, amplifier, recorder, ground support equipment, etc.

Estimated on Dock (Date)

The date the equipment is forecast to arrive on dock at the Center. Initially, this date should coincide with the desired contract delivery date for purchased equipment. Subsequent to the contract award, the date will reflect the vendor's estimate of his ability to deliver.

European Space Agency (ESA)

An international organization acting on behalf of its member states (Belgium, Denmark, France, Federal Republic of Germany, Italy, the Netherlands, Spain, Sweden, Switzerland, and the United Kingdom). The ESA directs a European industrial team responsible for the development and manufacture of Spacelab.

Experiment

The system of hardware, software, and procedures for performance of a scientific or applications investigation undertaken to:

1. Discover unknown phenomena
2. Establish the basis of known laws
3. Evaluate applications processes and/or equipment.

Experiment Racks

Removable and reusable assemblies in the Spacelab module that provide structural mounting and connections to supporting subsystems (power, thermal control, data management, etc.) and experiment equipment.

Experiment Segment

Section of the pressurized Spacelab module that houses experiments and sensors.

Experimenter

A user of the Space Transportation System (STS) who ordinarily will be an individual whose experiment is a small part of the total payload.

External Tank (ET)

Element of the space shuttle system that contains liquid propellant for the orbiter main engines. It is jettisoned prior to orbit insertion.

Extravehicular Activity

Activities by crewmembers conducted outside the spacecraft pressure hull or within the cargo bay when the cargo bay doors are open.

Extravehicular Mobility Unit

A self-contained (no umbilicals) life support system and anthropomorphic pressure garment for use by crewmembers during extravehicular activity. It provides thermal and micrometeoroid protection.

F

Facility Need Date

That date when the appropriate facility is required to receive program hardware (orbiter, solid rocket booster (SRB), external tank (ET)) for test and checkout. First operational use of the facility completes this milestone.

Failure Mode, Effects, and Criticality Analysis

An analysis to determine an line replaceable unit (LRU)/shop replaceable unit (SRU) method and frequency of failure and the resulting effects.

Federal Item Identification

A complete description in accordance with FED-STD-5.

Federal Supply Code for Manufacturers

Provides a nonsignificant code assigned to identify manufacturers. Normally used with the Manufacturer's Part Number (see Federal Cataloging Handbooks H4-1 and H4-2 for codes).

Fir-Tree

Blade Part.

First Manned Orbital Flight

Liftoff of the first manned space shuttle from the launch pad. Vehicle flight beyond "tower clear" completes this milestone. Subsequent flights use similar definitions.

Flight

That portion of a mission encompassing the period from launch to landing, or launch to termination, of the active life of a spacecraft. The term shuttle "flight" means a single shuttle round trip (its launch, orbital activity, and return). One flight may deliver more than one payload. More than one flight may be required to accomplish one mission.

Flight Control Team

An element of the Mission Control Center (MCC) on duty to provide real-time support for the duration of each Space Transportation System (STS) flight.

Flight Data File

The on-board complement of crew activity plans, procedures, reference material, and test data available to the crew for flight execution. There will normally be an STS flight data file for STS crew activities and also a payload flight data file for payload crew activities.

Flight-Dependent Training

Preparation of a mission or payload specialist(s) for a specific flight, depending on the mission goals. Part of the training involves integrated simulations with the rest of the flight crew and ground teams.

Flight Design

The trajectory, consumables, attitude and pointing, and navigation analysis necessary to support the planning of a flight.

Flight-Independent Training

Standard preparation of a mission or payload specialist for any flight.

Flight Kit

Optional hardware (including consumables) to provide additional, special, or extended services to payloads. Kits are packaged in such a way that they can be installed and removed easily.

Flight Manifest

The designation of a flight, assignment of the cargo to be flown, and specific implementing instructions for STS operations personnel.

Flight Operations Planning

That part of the STS flight planning required to prepare for a given flight. It includes allocation of consumables, analyses and preparation of flight rules, assembly of consoles, handbooks, etc.

Flight Phases

Prelaunch, launch, in orbit, deorbit, entry, landing, and postlanding.

Flight Readiness Firing (FRF)

The shuttle vehicle is stacked on the launch pad, and a countdown demonstration test (CDDT) performed (designed to duplicate to the fullest possible extent an actual launch countdown). Propellant loading occurs in normal launch sequence, culminating a 20-second FRF. Engine shutdown after 20 seconds of sustained firing completes this milestone.

Flight Types

Payload deployment and retrieval, on-orbit servicing of satellites, and on-orbit operations with an attached payload, as suited to the purposes of a mission. A single flight may include more than one of these purposes.

Free Flyer

Any payload that is detached from the orbiter during the operational phase of that payload and is capable of independent operation.

Free-Flying System

Any satellite or payload that is detached from the orbiter during operational phases and is capable of independent operation.

G

General-Purpose Computer

One of five computers interconnected to form the orbiter computer complex for data processing.

Greenrun

Hot-fire acceptance test of a rocket engine component (i.e., turbopump).

Ground Support Equipment (GSE)

Nonflight equipment, implements, and devices required for the handling, servicing, inspection, testing, maintenance, alignment, adjustment, checking, repairing, and overhauling of an operational end item, a subsystem, or component thereof. This may include equipment required to support another item of GSE as defined herein.

H

Hardware Development Complete

The date all hardware manufacture/procurement has been completed, and hardware is ready to be delivered under terms of the contract. Notification from the contractor to the responsible office completes this milestone.

I

Igloo

A pressurized container for Spacelab pallet subsystems when no module is used.

Inclination

The maximum angle between the plane of the orbit and the equatorial plane.

Indenture

A method of showing relationships to indicate dependence and an order of dependence. Indenturing provides a top down breakdown of an item into its assemblies, subassemblies, components, and parts.

Inertial Upper Stage (IUS)

Solid propulsive upper stage designed to place spacecraft on high Earth orbits or on escape trajectories for planetary missions.

Initial Delivery

The date of delivery for the first item of equipment to be delivered under terms of the contract. Acceptance of the equipment by the site activation office completes this milestone.

Initial Operational Capability

Point in time at which the first operational configured space shuttle vehicle is prepared for flight. Successful completion of design, development, test, and evaluation (DDT&E) and certification of flight hardware completes this milestone.

Initial Outfitting/Lay-In

The positioning of support items at user levels and at intermediate supply and maintenance levels as initial issues in anticipated support of newly deployed end items.

Installation Complete

That date when the site activation office declares the complete system has been installed at the facility. Certification by the site activation office completes this milestone.

In-Storage Maintenance

The actions performed on a stored item to retain it in a specified condition by providing systematic inspection, detection, and prevention from deterioration.

Instrument Pointing Subsystem (IPS)

Spacelab hardware and software for precision pointing and stability for experiment equipment.

Integrated Logistics

Those interrelated processes which identify and provide the service and resources (hardware and data) required to achieve an economical and timely support of operations. The principal processes are: logistics engineering analyses, maintainability, maintenance, operational maintenance documentation, supply, transportation/packaging, training, and logistics management information.

Integration

A combination of activities and processes to assemble payload and Space Transportation System (STS) components, subsystems, and system elements into a desired configuration, and to verify compatibility among them.

Integration Levels

Level I

Cargo/shuttle integration; integration into the orbiter of everything that goes on a single shuttle flight.

Level II

Elements into cargo integration; assembly of spacecraft elements and/or free flyers (with or without tug) into a cargo for a single shuttle flight.

Level III

Instrument to supporting system integration; integration of one or more instrument assemblies with Spacelab elements (extension module and/or pallet) or a free-flyer payload.

Level IV

Instrument assembly integration; assembly of individual instruments and their unique supporting subsystem into a compatible package of equipment to accomplish specific mission objectives on a given flight.

Interface

The mechanical, electrical, and operational common boundary between two elements of a system.

Interface Verification

Testing of flight hardware interfaces by an acceptable method that confirms that those interfaces are compatible with the affected elements of the Space Transportation System (STS).

Interim Release

Authorization given a contractor to release support items to production or procurement simultaneously with his production requirements for like items prior to submission of a spare parts order.

Invitation for Bids

That point in time when the complete assembly of documents related to a particular contract award will be provided to the prospective bidders by a formal advertisement for the purpose of competitive bidding. Issue of the invitation by the NASA procurement office completes this milestone.

Item

Any level of hardware assembly (system, subsystem, equipment, component, or part).

K

K-Factors

A series of terms used to derate meantime between failure (MTBF) to a meantime between demand (MTBD) on the supply system. Four examples are:

- K_1 Engineering correction based on line replaceable unit (LRU) complexity, greater than 1
- K_2 Total failure ratio to relevant failure, greater than 1
- K_3 Ratio of operating hours to flying hours
- K_4 Ratio of demands on supply systems to failures

$$MTBD = \frac{MTBF}{K_1 \times K_2 \times K_3 \times K_4}$$

L

Launch Agreement

An agreement negotiated between NASA and the user that presents in detail all the legal, financial, and NASA-Headquarters-level commitment to provide the Space Transportation System (STS) service at a determined price.

Launch Pad

The area at which the stacked space shuttle undergoes final prelaunch checkout and countdown and from which it is launched.

Launch Processing System

A high-speed digital computer-operated checkout system used to support test, checkout, launch control, and operational management of launch site ground operations.

Launch Processing System (LPS) Support Available

Point in time when LPS is ready for use by test personnel, for a given facility. Certification by the site activation office completes this milestone.

Launch-Readiness Verification

The process of ensuring the continuing operational capability of the space shuttle system, upper stages, and Spacelab.

Launch Site Support Manager

Individual at the launch site center who is the single point of contact with users in arranging payload processing at the launch site.

Launch Site Support Plan

The basic agreement negotiated between NASA and the user detailing how the user's payload will be handled at the launch site.

Level of Repair Analysis

A process for recommending repair levels of line replaceable units (LRU's), shop replaceable units (SRU's), assemblies, and sub-assemblies which will accrue minimum total support costs within operational and technical constraints over the system design life. It forms the basis for assigning repair level; repair versus discard-at-failure decision; repair parts provisioning; and source, maintenance, and recoverability (SMR) coding, maintenance planning, and documentation.

Line Replaceable Unit (LRU)

Any item whose replacement constitutes the optimum organizational maintenance repair action for a higher indentured item (i.e., any assembly which can be removed and replaced as a unit from the system at the operating location).

Load Factor

The percentage of the orbiter's total capability (for payload length or weight) required by a shared-flight user. The larger figure is used to derive the charge factor, which is used to calculate the user's cost.

Logistics Engineering Analyses

A composite of analysis techniques which are used to identify the necessary logistics resources to support operation and maintenance functions in a timely and economical manner. This includes training, level of repair, spares determination analyses, etc.

Long Duration Exposure Facility

Free-flying reusable satellite designed primarily for small passive or self-contained active experiments that require prolonged exposure to space. It is launched in the orbiter cargo bay and deployed and retrieved by the remote manipulator system.

Long Leadtime Items

Those items which because of their complexity of design, complicated manufacturing processes, or limited production, may cause production or procurement cycles which would preclude timely or adequate delivery, if not ordered in advance of normal provisioning.

M

Maintainability (M)

The design, installation, and operating characteristics of an item which enables it to be retained in or returned to a specified operational condition by expending resources at an acceptable rate using prescribed procedures.

Maintenance

The actions taken to retain an item in a specified condition by providing systematic inspection, detection, and servicing for the prevention of incipient failure, and the action taken to restore an item to a specified operational condition. This includes fault isolation, item replacement, repair, and verify serviceable.

Maintenance Concept

A description of the planned method for accomplishing maintenance. A thought process which relates the maintenance tasks to be performed to the maintenance levels to support the operation of the system/equipment in the planned operational environment.

Maintenance Engineering Analysis

An analysis of contract end item line replaceable unit (LRU)/shop replaceable unit (SRU) or equivalent items which define the repair tasks necessary to restore a system to operational condition utilizing the maintenance philosophy, maintainability characteristics, and other factors.

Maintenance Ground Equipment (MGE)

The equipment which is used to support the maintenance operations for vehicle, payload, stages, facilities, or other MGE.

Maintenance Levels

All maintenance functions performed either directly on the vehicle or in a supporting role categorized in one of the following three categories:

Organizational Level

Maintenance performed on vehicle subsystems and related support equipment in direct support of the turnaround flow. It includes scheduled and unscheduled maintenance actions required to inspect, service, calibrate, replace, repair and modify in place, and reverify (sub)systems and associated components.

Intermediate Level

Maintenance that is performed in direct support of organizational level maintenance and involves disposition, repair, service, modification, calibration, and verification of items removed during organizational maintenance.

Depot Level

Maintenance that is performed by designated maintenance sources (e.g., manufacturers, USAF Air Logistics Centers, NASA Centers, etc.). It normally consists of maintenance that requires maintenance ground equipment (MGE), facilities, or skills which are not economically available at the intermediate level (e.g., repairing, modifying, overhauling, reclaiming, or rebuilding parts, assemblies, subassemblies, components and end items, manufacturing of unavailable parts, and providing technical assistance to the organizational and intermediate levels).

Maintenance Training

Detailed work-oriented instructions on servicing, maintenance, overhaul, and repair of product end items, including support and facilities equipment.

Management Coding

The assignment of codes consisting of letters and/or numerals to support items to record management decisions, such as sources for resupply, prescribed levels of maintenance, item managers, and other management data.

Manned Maneuvering Unit

A propulsive backpack device for extravehicular activity. It uses a low-thrust, dry, cold nitrogen propellant.

Material Service Centers (MSC)

An activity established adjacent to a facility of work area concentration for the purpose of furnishing supply support and supply support services to all organizations and functional activities in the immediate area(s) which require such service. Each MSC will provide a single point of contact with the Kennedy Space Center (KSC) supply system, and will receive, stock, and issue material and supplies required by the area(s) served.

Mission

The performance of a coherent set of investigations or operations in space to achieve program goals. A single mission might require more than one flight, or more than one mission might be accomplished on a single flight.

Mission Control Center (MCC)

Central area at Johnson Space Center (JSC) for control and support of all phases of Space Transportation System (STS) flights.

Mission-Dependent Equipment

Spacelab optional equipment that can be added to a flight if needed for the mission involved.

Mission-Independent Equipment

Spacelab subsystem and support equipment that is carried on every Spacelab flight.

Mission Kit

Flight kit is the preferred term.

Mission Specialist

This crewmember is responsible for coordination of overall payload/Space Transportation System (STS) interaction and, during the payload operations phase, directs the allocation of the STS and crew resources to the accomplishment of the combined payload objectives. The mission specialist will have prime responsibility for experiments to which no payload specialist is assigned, and/or will assist the payload specialist when appropriate.

Mission Station

Location on the orbiter aft flight deck from which payload support operations are performed, usually by the mission specialist.

Mixed Payloads

Cargo containing more than one type of payload.

Mobile Launch Platform

The structure on which the elements of the space shuttle are stacked in the Vehicle Assembly Building and are moved to the launch pad.

Mobility Aid

Handrails or footrails to help crewmembers move about the spacecraft.

Modification Complete

That date when existing facilities were modified. Certification by the site activation office completes this milestone.

Module

Pressurized manned laboratory suitable for conducting science, applications, and technology activities.

Module Exchange Mechanism

Part of the multimission modular spacecraft flight support system that is used for servicing.

Multimission Modular Spacecraft

Free-flying system built in sections so that it can be adapted to many missions requiring Earth-orbiting remote-sensing spacecraft. It is launched in the orbiter cargo bay and deployed and retrieved by the remote manipulator system.

Multiple Payloads

More than one separate payload carried in the cargo bay.

Multipurpose Spacelab

An extension module involving a variety of disciplines usually for specific flights, and which may require the services of a payload integrator or agent.

Multipurpose Support Group

Element of the Mission Control Center (MCC) responsible for preflight planning, procedures development, systems expertise, and manpower. During a flight, this group reports systems and trajectory status to the flight control room.

Multiuse Mission Support Equipment

Hardware available at the launch site for handling payloads, or common flight hardware used by various payload disciplines.

N**Nadir**

That point on the celestial sphere vertically below the observer, or 180° from the zenith.

National Stock Number

A discrete identifying number assigned to each item of supply within the Federal Catalog System. A data chain consisting of the four-digit Federal Supply Classification, a two-digit Country Code and a seven-digit Federal Item Identification Number, in that order. May also have a two-character Dual Cognizance Code, a one-character Material Control Code prefix, and a two-character Special Material Identification Code suffix.

O**Off-Line**

An activity conducted by a payload owner independent of any Space Transportation System (STS) element (e.g., tug, Spacelab, or shuttle). Normally, the activity is conducted in a separate facility.

Off-Line Integration

Assembly of payload elements or multiple payloads that does not involve any STS element.

Off-Line Maintenance

That maintenance function performed at the intermediate and depot maintenance levels.

On-Condition Maintenance

Those items which will remain in place until an assessment of the item's condition indicates that removal is required. The assessments are made at intervals determined by the item's failure characteristics and may consist of inspections, measurements, tests, or any other means not requiring disassembly or removal of the item.

On-Line Integration

Mating of payloads with the orbiter, Spacelab, or upper stage. Level I is with the orbiter. Level II is with the Spacelab, upper stage, etc.

On-Line Maintenance

The maintenance function performed at the organizational level.

On-Line Space Transportation System

An activity conducted with a payload and one or more Space Transportation System (STS) elements. This is broken down as follows:

On-Line Shuttle

An activity encompassing a payload, its carrier, and the shuttle vehicle.

On-Line Spacelab

An activity encompassing a payload and its Spacelab.

On-Line Tug/IUS

An activity involving a payload and the tug/inertial upper stage (IUS).

On-The-Job Training

A planned program which augments classroom training through self-study and supervised instruction to provide expanded knowledge and job proficiency while the trainee is actually working in a duty assignment.

Operational Checkout

That period of time when the operation and maintenance (O&M) organization performs crew training, simulations, and procedural familiarization prior to first use on flight hardware. Certification of ground test and checkout, and crew readiness to support the assigned mission prior to receipt of flight hardware completes this period.

Operational Readiness Date

That date when a facility, including all systems and equipment, is operationally ready and is turned over to the user/operator for operational training and systems familiarization prior to first use in support of flight hardware checkout. Certification by the site activation office completes this milestone.

Operations and Maintenance Documentation (OMD)

OMD includes: engineering drawings and lists, Organizational Operations and Maintenance (OOM) Manuals including Operations and Maintenance Instructions (OMI's), Standard Repair Manuals, Illustrated Parts Breakdown (IPB's), Intermediate Maintenance Manuals, Nondestructive Inspection (NDI) Manuals, Work Unit Code (WUC) Manuals, and Time Compliance Technical Instructions (TCTI's).

Operations and Maintenance (O&M) Manuals

O&M manuals are organized procedural information specifying methods of operating and maintaining flight hardware and support equipment. O&M manuals will be used in the performance of day-to-day operations and maintenance tasks.

Operations Planning

Performing those tasks that must be done to ensure that vehicle systems and ground-based flight control operations support flight objectives.

Operator Need Date

The date the operator (O&M organization) requires the equipment/ground support equipment (GSE) to be made available to them, to accomplish any remaining work required prior to first use.

Opportunity Mission

A payload revisit option for retrieval or servicing done at NASA's convenience when an orbiter is near the orbiting payload requiring revisit.

Optimum Repair Level

The maintenance level selected to perform specific tasks and functions for a given equipment item. The decision to repair equipment at the indicated maintenance level requires that all authorized maintenance capability (remove, replace, assembly, or test) be provided to that level. This does not prevent some repairs from being accomplished at a different level of maintenance for a different task.

Optional Flight Systems

Hardware end items that can be integrated into the orbiter at additional cost to the user, to launch payloads to geosynchronous transfer orbits (upper stages), to extend basic orbiter capabilities (flight kits), or to provide a general purpose laboratory in near-Earth orbit (Spacelab).

Orbital Flight Test

One of the first six scheduled developmental space flights of the space shuttle system.

Orbital Maneuvering Subsystem

Orbiter engines that provide the thrust to perform orbit insertion, circularization, or transfer; rendezvous; and deorbit.

Orbiter

Manned orbital flight vehicle of the space shuttle system.

Orbiter Processing Facility

Building near the Vehicle Assembly Building at Kennedy Space Center (KSC) with two bays in which the orbiter undergoes postflight inspection, maintenance, and premate checkout prior to payload installation. Payloads are also installed horizontally into the orbiter in this building.

Outfitting Award

The effective date of direction from NASA contracting officer to the selected contractor authorizing commencement of work. Issue of notice of the award by the procurement office completes this milestone.

Outfitting Complete

That date when all systems/equipment has been emplaced. Certification by site activation office completes this milestone.

One piece, or two or more pieces, joined together which are not normally subject to disassembly without destruction or impairment of its designed use.

P**Pallet**

An unpressurized platform, designed for installation in the orbiter cargo bay, for mounting instruments and equipment requiring direct space exposure.

Pallet Train

More than one pallet rigidly connected to form a single unit.

Payload

The total complement of specific instruments, space equipment, support hardware, and consumables carried in the orbiter (but not included as part of the basic orbiter payload support) to accomplish a discrete activity in space.

Payload Canister

Environmentally controlled transporter for use at the launch site. It is the same size and configuration as the orbiter cargo bay.

Payload Carrier

One of major classes of standard payload carriers certified for use with the space shuttle to obtain low-cost payload operations. The payload carriers are identified as habitable modules (Spacelab) and attached but uninhabitable modules (pallets, free-flying systems, satellites, and upper stages).

Payload Changeout Room

An environmentally controlled room at the launch pad for inserting payloads vertically into the orbiter cargo bay.

Payload Discipline Training

Preparation of a mission or payload specialist for handling a specific experiment. This training is usually the responsibility of the user.

Payload Operations Control Center

Central area, located at any of three NASA centers, from which payload operations are monitored and controlled. The user, in many instances, will have direct command of a payload from this control center.

Payload Preparation Room

Facility at the Vandenberg Air Force Base launch pad for processing and checking payloads.

Payload Specialist

This crewmember, who may or may not be a career astronaut, is responsible for the operation and management of the experiments or other payload elements that are assigned to him or her, and for the achievement of their objectives. The payload specialist will be an expert in experiment design and operation.

Payload Station

Location on the orbiter aft flight deck from which payload-specific operations are performed, usually by the payload or mission specialist.

Payload Supplier

Owner/operator of any space shuttle payload.

Peculiar Part

Any part which must be produced to order in accordance with a particular drawing and/or specification. Any part requiring flight certification shall be classified peculiar. Also, normally standard parts that must be selectively accepted (to criteria different from the usual standard part requirements) shall be considered peculiar.

Phased Provisioning

A refinement to the provisioning process whereby procurement of selected items is phased by time interval into the later stages of production, thereby enhancing the ability of the provisioning activity to select the most favorable mixture of requirements.

Pilot

This crewmember is second in command of the flight and assists the commander as required in the conduct of all phases of orbiter flight.

Planning Operations Management Team

Elements of the Mission Control Center (MCC) that perform preflight functions and assist the user in requesting facilities, software, command, telemetry, and flight requirements and Payload Operations Control Center (POCC) interfaces.

POGO

A situation of coupled oscillations between a vehicle propellant feedsysteM and the propulsion system.

Preliminary Engineering Report—Final Release

That date when preliminary engineering is complete and the final documentation has been released. Distribution of the final documentation completes this milestone.

Priced Spare Parts List

A priced list of items and quantities of spare parts selected for procurement under the contract.

Principal Investigator

Research scientist who is in charge of the conduct of an experiment carried by any Space Transportation System (STS) element.

Procurement/Fabrication Complete

That date when all procurement and fabrication for a particular facility has been finished. Certified acceptance by the site activation office completes this milestone.

Procurement Method Code

The contractor will use alpha-suffix codes (6, 7, or 8) contained in MIL-STD-789B to communicate his reason for the assignment of a Contractor Recommended Code (CRC). Procurement Method Codes (1 through 5) will always be assigned by government representatives from the CRC codes furnished by the contractor.

Program

An activity involving manpower, material, funding, and scheduling which is necessary to achieve desired goals (e.g., Shuttle Program, Solar Astronomy Program, etc.).

Program Check List

This list is used to provide data governing initial provisioning for end items of shuttle hardware and related support equipment.

Provisioning Activity

The provisioning team of the Space Transportation System (STS) Projects Office is responsible for the selection and the determination of requirements for the provisioned items.

Provisioning Performance Schedule

A checklist of entries including schedules in the provisioning process that is used to monitor such events.

Provisioning Screening

Provisioning Screening, when required by the Provisioning Requirements Statement, will be accomplished in accordance with DOD 4100.38M (Provisioning and other Preprocurement Screening Manual).

Provisioning Specification

The contractual instrument to provide clear and concise instructions which will achieve the objective of providing adequate, timely, and economical support by need dates for systems and end items entering the inventory. It provides NASA with the flexibility in selecting minimum essential data for each specific procurement, and provides the contractor with the detailed guidance to fulfill provisioning requirements. The finalized Provisioning Requirements Statement and the Provisioning Specification shall be appended to the end item contract.

Provisioning Technical Documentation (PTD)

The generic term used to reference the various types of provisioning lists, decks of punch cards mechanized, or automatic data processing tapes. PTD shall be furnished by contractors to Kennedy Space Center (KSC) provisioning activities for the identification, selection, determination of initial requirements, and cataloging of support items to be procured through the provisioning process. Supplementary provisioning technical documentation is also considered to be a part of the PTD.

Q

Qualitative Requirements

Qualitative requirements further amplify the maintenance concept to the designer, by converging special features which the operator/user wants designed into the hardware. Specialized qualitative requirements to be considered for specification insertion are:

1. Failure Detection
2. Performance Degradation Detection
3. Built-In Test Equipment
4. Adjustments
5. Ground Support Equipment (GSE)-Integrated/Automated/Manual
6. Self-Test
7. Skill Levels
8. Special Tools
9. Accessibility
10. Interchangeability

Quantitative Requirements

Quantitative requirements provide a firm goal (appointment of time available for maintenance) for the designer to meet his design, and also provide a requirement whose goal can later be demonstrated during the verification period.

This type of quantitative requirement, specified in a maintainability activity, must be responsive to the operational use of the equipment. Times may be specified in man-hours, clock-hours, or both. Maintenance times may also be broken out and levied for the various elements that comprise the total repair functions such as fault isolate, remove/replace, or checkout. The requirement will also be specified for all applicable levels of maintenance: organizational, intermediate, and depot. A listing of the common types of requirements to be considered are:

1. Maintenance Hours/Launch
2. Maintenance Hours/Operating Hour
3. Mean Time To Repair
4. Maximum Repair Time
5. Scheduled Replacement Intervals
6. Inspection Frequency and Maintenance Hours
7. Servicing Frequency and Maintenance Hours

R

Racks

Same as experiment racks.

Reaction Control Subsystem

Thrusters on the orbiter that provide attitude control and three-axis translation during orbit insertion, on-orbit, and reentry phases of flight.

Ready To Support

That date when equipment/facilities are required to support a project/facility milestone. First operational use of the equipment/facilities completes the milestone.

Remote Manipulator System

Mechanical arm on the cargo bay longeron. It is controlled from the orbiter aft flight deck to deploy, retrieve, or move payloads.

Reorder Point

The inventory level, representing procurement lead time and safety level quantitative requirements (on-hand and on-order balances), at which spare item replenishment is to be initiated.

Repair Parts

Those support items that are coded as "not repairable" (i.e., consumable items).

Repairable Item

An item in unserviceable condition that can be economically repaired and returned to a serviceable condition.

Note: Repairable status is determined after failure occurs.

Reparable Item

An item, which because of economic and design characteristics, is determined to be subject to repair when it becomes unserviceable, and then returned for use.

Note: This term reflects the logistics status rather than the physical status of the item. Repairable categorization is made before failure occurs.

Request For Proposal (RFP)

That point in time when the necessary documentation is issued to request proposals from prospective bidders prior to negotiation of a contract. Issue of the RFP by procurement office completes this milestone.

Retrieval

The process of utilizing the remote manipulator system and/or other handling aids to return a captured payload to a stowed or berthed position. No payload is considered retrieved until it is fully stowed for safe return or berthed for repair and maintenance tasks.

Rotating Service Structure

An environmentally controlled facility at the launch pad used for inserting payloads vertically into the orbiter cargo bay.

S

Safety Training

Instructions which alert a trainee to those conditions or operations which could be substantially dangerous to the operator, or other hazard that would damage equipment or property.

Scheduled Delivery

When NASA provides a required delivery schedule with each spare parts order, the contractor shall accept the order and within 30 days notify NASA of his acceptance of the schedule for negotiation. The approved schedule will be incorporated into the contract by supplemental agreement.

Scheduled Maintenance

Any repetitive maintenance action deemed necessary to ensure the functional success of equipment including periodic servicing and replacement of time/cycle components.

Shared Equipment Need Date (SEND)

The date equipment/ground support equipment (GSE) to be used at more than one location is required to support site activation activities at the secondary location(s). The need date at the first-use location will be the site activation need date for that location.

Shared Flight

A flight that carries the payloads of more than one user. Reimbursement in this price category is based on the percentage of the orbiter cargo capacity required plus options (or a pro rata share of those options used).

Shop Replaceable Unit (SRU)

Any item whose replacement constitutes the optimum, intermediate, or depot level of repair action, i.e., a module for a line replaceable unit (LRU) which can be removed at an intermediate or depot repair facility.

Simulator

A heavily computer-dependent training facility that imitates flight hardware responses.

Site Activation Need Date (SAND)

The date equipment/ground support equipment (GSE) is required on-dock to support installation and validation. Uncrating, inspection, and handling time must be allowed in establishing the SAND.

Solid Rocket Boosters (SRB)

An element of the space shuttle that consists of two solid rocket motors to augment ascent thrust at launch. They are separated from the orbiter soon after lift-off and recovered for reuse.

Source, Maintenance, and Recoverability (SMR) Code

An SMR code shall be recommended by the end item contractor or design agency for each component part. The code will be used to communicate maintenance and supply instructions to the various support/maintenance activities.

Spacelab

A general-purpose orbiting laboratory for manned and automated activities in near-Earth orbit. It includes both module and pallet sections, which can be used separately or in several combinations.

Space Shuttle

Orbiter, external tank, and solid rocket boosters.

Space Tracking and Data Network

A number of ground-based stations having direct communications with NASA flight vehicles.

Space Transportation System (STS)

An integrated system consisting of the space shuttle (orbiter, external tank, solid rocket booster, and flight kits), upper stages, Spacelab, and any associated flight hardware and software.

Space Transportation System Associated Payload

A specific complement of instruments, space equipment, and support hardware carried into space to accomplish a mission (or discrete activity).

Space Tug

An upper stage installed in the cargo bay of the orbiter for the payload launch, or recovery and landing. Developed specifically with the capability for delivery, retrieval, and servicing of payloads in orbits and trajectories beyond the capability of the shuttle alone. It is intended to be retrievable for refurbishing and multiple reuse.

Spare Parts Order

A spare parts provisioning list which has been approved by the NASA Contracting Office, and released to the contractor for fabrication or procurement.

Spares

Those support items that are coded to be repairable (i.e., repairable items).

Special Tools, Test Equipment, and Support Equipment

Those support items that have single/peculiar application to a specific end item.

Spinning Solid Upper Stage

Propulsive upper stage designed to deliver spacecraft of the Delta and Atlas-Centaur classes to Earth orbits beyond the capabilities of the space shuttle.

Stability Rate

The maximum angular rate error during steady state limit cycle operation.

Standard Part

Any part or item which is adequately defined by a recognized government-wide or industry-associated standard drawing and/or specification, and is normally available from commercial, Defense Supply Agency (DSA), and/or General Services Administration (GSA) sources (e.g., nuts, bolts, washers, screws, pins, keys, grommets, rivets, o-rings, clips, fasteners, clamps, fittings, standard electrical and electronic components, etc.).

Statement of Prior Submission

A certification by an offerer/contractor that provisional technical documentation (PTD) previously furnished to the government may satisfy the immediate PTD requirements, with or without changes, to update the PTD to the end item configuration to be procured.

Stowing

The process of placing a payload in a retained position in the cargo bay for ascent or return from orbit.

Subassembly

Two or more parts which form a portion of an assembly or a component replaceable as a whole, but having a part or parts which are individually replaceable (e.g., telephone dial, mounting board with mounted parts, etc.).

Supplementary Provisioning Technical Documentation (SPTD)

Supplemental Provisioning Technical Documentation is technical data used to describe parts/equipment and consists of data such as specifications, standards, drawings, photograph, sketches and descriptions, and the necessary assembly and general arrangement of drawings, schematic drawings, schematic diagrams, wiring and cable diagrams, etc., needed to indicate the location and function of the item. As a minimum, SPTD must be capable of providing for:

1. Technical identification of items for maintenance support considerations.
2. Preparation of item identification for the purpose of assigning National Stock Numbers.
3. Review for item entry control.
4. Standardization.
5. Review for potential interchangeability and substitutability.

6. Item management coding.
7. Preparation of stock/issue lists.
8. Initial procurement from the contractor or original manufacturer.

Support Equipment

Those support items that are not an integral part of an end item but are required in the operation of the end item.

Support Equipment Installation and Checkout Complete

That date when individual support equipment items have been completely installed and validated at the facility. Certification by the site activation office completes this milestone.

Support Items

Items subordinate to, or associated with, an end item (e.g., spares, repair parts, tools, test equipment, support equipment, and sundry materials) and required to operate, service, repair, or overhaul an end item.

Support Requirements Analysis

An analysis accomplished during the system design to establish logistics support requirements. The analysis is a step-by-step process of predicting operational and maintenance activities, and defining and documenting the required resources.

T

Tags

Characteristic operating performance values for a specific serialized rocket engine or motor (i.e., thrust, mixture ratio, etc.).

Tilt/Spin Table

Two-satellite communication systems providing principal coverage from geosynchronous orbit for all Space Transportation System (STS) flights.

Tracking and Data Relay Satellite System

Two-satellite communication systems providing principal coverage from geosynchronous orbit for all Space Transportation System (STS) flights.

Trainer

A training device or facility that provides primarily a physical representation of flight hardware. It may have limited computer capabilities.

Training Requirements Analysis

An analysis accomplished to determine the skill levels, type, and quantities necessary to support a maintenance philosophy, through maintenance engineering analysis or support requirements analysis.

U**Unscheduled Maintenance**

Any maintenance activity required as a result of the random failures of equipment. It includes the restoration to a serviceable condition of a failed subsystem, end item, replacement package or unit, component, or part.

Upper Stage

Spinning solid upper stage or inertial upper stage. Both are designed for launch in the orbiter cargo bay and have propulsive elements to deliver payloads into orbits and trajectories beyond the capabilities of the shuttle.

Upweight

Launch weight. It refers specifically to payloads and all items required by specific payloads.

User

An organization or individual requiring the services of the Space Transportation System.

Utilizing Planning

The analysis of approved (funded or committed) payloads with operational resources, leading to a set of firm flight schedules with cargo manifests.

V**Validation**

Verification that the equipment/system meets the operational needs of the operations and maintenance (O&M) user, and is part of the

turnover process from the design agency to the O&M agency.

Vehicle Assembly Building

High-bay building near Kennedy Space Center (KSC) launch pad in which the shuttle elements are stacked onto the mobile launch platform. It is also used for vertical storage of the external tanks.

Vendor Item

An item which is used in or attached to the end item produced by the contractor under his contract; and which is procured by the contractor on the open market or from established sources, and for which the contractor is not part of the design activity.

W**Western Launch Operations Division**

NASA operation at Vandenberg Air Force Base.

Work Station

A facility or functional area where organizational level operations and maintenance tasks are performed in direct support of a turnaround cycle, or where intermediate and depot level maintenance tasks on shuttle components (or related ground support equipment (GSE)) are performed.

Work Unit Code

A six alphanumeric character indented equipment identification code which uniquely identifies the entire system from top down to line replaceable unit (LRU) component use level. It functionally identifies the system, subsystem, assembly component, and significant repairable part on which maintenance is to be performed.

Z**Zenith**

That point of the celestial sphere vertically overhead. The point 180° from the zenith is called the nadir.

SECTION II

ACRONYMS AND ABBREVIATIONS

A		A/L	Approach/Landing
			Approach and Landing/Autoland
3AAL	Three Axis Acoustic Levitator		Airlock
A	Angstrom		Autoland
A	Acceleration	A/M	Auto/Manual
	Aft	A/m	Ampere per Meter
	Alpha	A/N	Alphanumeric
	Ampere	A/O	Analog/Output
	Analog Signal	A/P	Airport
A&A	Advertise and Award	A/R	As Required
A&E	Architects and Engineering		Autoland Rollout
	Architectural and Engineering	A/S	Airspeed
A&I	Assembly and Installation		Ascent Stage
A&L	Approach and Landing		Auxiliary Stage
A&P	Attitude and Pointing	AA	Accelerated Assemblies
A&R	Automation and Robotics		Accelerometer Assemblies
A&PS	Administration and Program Support (MSFC Directorate)		Accelerometer Assembly
A&RC	Application and Resource Control		Airplane Avionics
A&TA	Assembly and Test Area		American Airlines
A&V	Assembly and Verification		Associate Administrator
A/A	Air to Air	AA/AL	Airplane Avionics/Autoland
A/C	Air Conditioning		Automatic Approach/Autoland
	Aircraft	AA/SF	Associate Administrator for Space Flight
	Associate Contractor	AA/TDA	AA for Tracking and Data Acquisition
A/D	Analog to Digital	AAA	Astronaut-Actuated Abort
A/E	Activity Elements	AAAS	American Association for the Advancement of Science
	Architectural and Engineering	AACS	Attitude and Antenna Control System
A/F	Air-to-Fuel Ratio	AADS	Ascent Air Data System
A/FM	Air/Firing Mechanism	AADSF	Advanced Automated Directional Solidification Furnace
A/G	Air to Ground		

AAE	Abort Advisory Equipment Aerospace Ancillary Equipment Aerospace Auxiliary Equipment	ABS	Absolute Absorber
AAEA	Automated Analytical Electrophoresis Apparatus	ABS CLG	Absolute Ceiling
AAFE	Advanced Applications Flight Equipment Aeroassist Flight Experiment	ABT	Abort
AAH	Automated Attitude Hold (for MMU)	AC	Aerodynamic Center Applications Controller Comptroller (KSC Directorate) Assembly Complete Aspect Camera
AAIR	Advanced Atmospheric Sounder and Imaging Radiometer	ac	Alternating Current
AAN	Agency Action Notice	ACA	Altitude Controller Assembly Annunciator Control Assembly Attitude Controller Assembly
AAP	Airlock Adapter Plate Analog Autopilot Apollo Application Program	ACB	Air Cushion Barge
AAS	Abort Advisory System American Astronomical Society	ACC	Accumulate Automatic Control Console Auxiliary Crew Compartment
AAT	Activation Acceptance Team	ACCEL	Acceleration Accelerometer
AB	Airborne Auto-Beacon Avionics Bay	ACCESS	Accessory Assembly Concept for Construction of Erectable Space Structure
ABA	dc Amplifier, Buffer, Attenuator	ACCN	Audit Central Control Network
ABACS	Automated Booster Assembly Checkout System	ACCU	Award Central Control Unit Audio Central Control Unit Audio Center Control Unit
ABC	Automatic Brightness Control	ACCUM	Accumulator
ABCF	As-Built Configuration File	ACD	Access Control Document Accuracy Control Document Apogee Kick Motor Capture Device Architectural Control Document
ABCL	As-Built Configuration List	ACE	Acceptance Checkout Equipment Automatic Checkout Equipment
ABCR	As-Built Configuration Record		
ABE	Air-Based Electronics		
ABERT	Auto Bit Error Rate Test		
ABM	Acquisition Bus Monitor Advanced Bill of Materials Apogee Boost Motor		
ABMA	Army Ballistic Missile Agency		
ABRT	Abort (preferred over ABT)		
ABRTREQ	Abort Request		

ACES	Acceptance Checkout and Evaluation System Acceptance Control Equipment Section Acceptance Control Equipment System Acoustic Containerless Experiment System Active Control Evaluation for Spacecraft Automatic Checkout Equipment Sequencer	ACO	Abort-Once-Around Cutoff Acceptance Checkout Administrative Contracting Officer
ACEU	Aerocontrol Electronics Unit	ACP	Astronaut Control Panel Audio Control Panel
ACI	Age Controlled Item	ACPL	Atmospheric Cloud Physics Laboratory
ACIL	Automatic Controlled Instrument Landing	ACPM	Associate Contractor Program Manager Attitude Control Propulsion Motor
ACIP	Aerodynamic Coefficient Instrumentation Package Aerodynamic Coefficient(s) Identification Package	ACPO	Associate Contractor Project Office
ACIS	Advanced CCD Imaging Spectrometer	ACPS	Attitude Control Propulsion System (Subsystem)
ACK	Acknowledge	ACPT	Accept
ACL	Allowable Container Load Ascent Closed Loop	ACQ	Acquire Acquisition
ACLC	Adaptive Communication Live Controller	ACR	Active Cavity Radiometer Solar Irradiance Monitor Experiment Actual Cost Report
ACLS	Automated Control and Landing System	ACRS	Advisory Committee on Reactor Safeguards
ACM	Acquisition Control Module Activity Classification Number Allocated Configuration Management Auxiliary Core Memory	ACS	Aft Crew Station Alternating Current Synchronous American Chemical Society Atmosphere Control System Attitude Control System (IPS preferred) Automated Control System
ACMB	Applications Configuration Management Board	ACT	Acquisition, Control of Test (Units) Activate, Activation Actuate, Actuator Actual
ACMS	Automated Configuration Management System	ACTA	Active Test Article
ACN	Ascension Island (STDN)	ACTCS	Active Thermal Control System
		ACTIV	Activation
		ACTR	Actuator

ACTS	Advanced Communication Technology Satellite	ADP	Acceptance Data Package Advanced Development Program Air Data Probe Automatic Data Processing Avionics Development Facility
ACTV	Active		
ACU	Annunciator Control Unit Avionics Cooling Unit		
ACUO	Avionics Cooling Unit Operator	ADPA	Air Data Probe Assemblies
ACV	Air Cushion Vehicle	ADPE	Automatic Data Processing Equipment
ACWP	Actual Cost for Work Performed	ADR	Address Adiabatic Demagnetization Refrigeration
AD	Administrative Operations and Support Service (KSC Dir.) Air Data Air Density Aperture Door	ADS	Air Data Sensor Air Data System Aspect Determination System Aspect Determination Subsystem Attitude Display System Audio Distribution System
ADA	Air Data Assembly Azimuth Drive Assembly		
ADAP	Adaptive Intercommunication Requirement	ADSF	Automatic Directional Solidification Furnace
ADB	Aerodynamic Data Book	ADT	Air Data Transducer
ADC	Air Data Computer Analog-to-Digital Computer Analytic Drag Control	ADTA	Air Data Transducer Assembly
Adc	Amperes Direct Current	ADU	Annunciator Display Unit
ADCLS	Automated Data Collection/Location System	AE	Atmosphere Explorer
ADCR	Applicable Document Contractual Record	AEB	Aft Equipment Bay
ADD	Address	AEC	Aft End Cone Aft Events Controller Atomic Energy Commission
ADDR	Address	AED	Analog Event Distributor
ADEOS	Advanced Earth Observation Satellite	AEDC	Arnold Engineering Development Center
ADF	Automatic Direction Finder Automatic Display Finder	AEDS	Analog Event Distribution System
ADH	Advanced Development Hardware	AEM	Acoustical Emission Monitoring Animal Enclosure Module
ADI	Attitude Directional Indicator Attitude Display Indicator	AEMB	Alabama Energy Management Board
ADJ	Adjust	AEPI	Atmospheric Emission Photometric Imaging
ADL	Avionics Development Laboratory (RI-SD)		Atmospheric Imaging Instrument

AERO	Aerodynamic Aerosurfaces Atmospheric Flt Supt	AFF	Acceptance and Ferry Flight
AES	Analog Event System Atmosphere Exchange System Auger Electron Spectroscopy	AFFTC	Air Force Flight Test Center (Edwards AFB)
AESC	Aerojet Electrosystems Company	AFGE	Association of Federal Government Employees
AET	Aerosurface End-to-End Test	AFGL	Air Force Geophysics Laboratory
AETL	Approved Engineering Test Laboratory	AFGWC	Air Force Global Weather Center
AEWG	Active Experiment Working Group	AFI	Automatic Fault Isolation
AF	Aft Fuselage Airframe Air Force Audio Frequency	AFL	Autoland Flight Tests
AFA	Airframe Assembly	AFLC	Air Force Logistics Command
AFAD	Armed Forces Acquisition Document	AFM	Air Force Manual
AFALD	Air Force Acquisition Logistics Division (WPAFB)	AFO	Announced Flight Opportunity Announcement of Flight Opportunities
AFB	Air Force Base	AFPD	Authorization for Program Development
AFC	Aerodynamic Flight Control Automatic Flight Control Automatic Frequency Control	AFPRO	Air Force Plant Representatives Office
AFCE	Automatic Flight Control Equipment	AFR	Air Force Regulation
AFCS	Automatic Flight Control System	AFRPL	Air Force Rocket Propulsion Laboratory (EAFB)
AFD	Aft Flight Deck Assistant Flight Director	AFRSI	Advanced Flexible Reusable Surface Insulation
AFDCP	Aft Flight Deck Control Panel	AFS	Air Force Standard
AFDO	Aft Flight Deck Operator	AFSC	Air Force Systems Command
AFDPDB	Aft Flight Deck Power Distribution Box	AFSCF	Air Force Satellite Control Facility Air Force Satellite/Spacecraft Control Facility
AFE	Aeroassist Flight Experiment American Flight Electrocardiograph	AFSCN	Air Force Satellite Control Network
AFEB	Award Fee Evaluation Board	AFSIG	Ascent Flight Systems Integration Group
AFEC	Award Fee Evaluation Committee	AFSSD	Air Force Space Systems Division
AFETR	Air Force Eastern Test Range (ESMC preferred)	AFSWC	Air Force Special Weapons Center (Holloman AFB)
AFETRM	Air Force Eastern Test Range Manual	AFT	Aerodynamic Flight Test Atmospheric Flight Test Autogenic Feedback Training
		AFTA	Acoustic Fatigue Test Article Aft Frame Tilt Actuator

AFTEC	Air Force Test and Evaluation Center	AH	Attitude Hold
AFV	Antiflood Valve	Ah	Ampere Hour
AFZES	Analytical Float Zone Experiment System	AHI	Artificial Horizon Indicator
AG	Artificial Gravity Attitude Gyro	AHP	Attitude Hold (Pitch Axis)
AGAA	Attitude Gyro Accelerometer Assembly	AHR	Ablative Heat Rate Attitude Hold (Roll Axis)
AGAP	Attitude Gyro and Accelerometer Package	AHRS	Attitude Heading Reference System
AGC	Aerojet-General Corporation Automatic Gain Control	AI&R	Artificial Intelligence and Robotics
AGCA	Automatic Ground Controlled Approach	AI&T	Assembly, Integration, and Test
AGCE	Atmospheric General Circulation Experiment	AI	Action Item Airspeed Indicator Altimeter Indicator Altitude Indicator Artificial Intelligence Attitude Indicator
AGCL	Automatic Ground Controlled Landing	AIA	Aerospace Industries Association
AGCU	Air Ground Cooling Unit Attitude Gyro Coupling Unit	AIAA	American Institute of Aeronautics and Astronautics
AGE	Aerospace Ground Equipment Air/Ground Equipment Automatic Ground Equipment	AICC	Action Item Control Card
AGI	Agreement Item	AICS	Action Item Closeout Sheet
AGL	Above Ground Level Absolute Ground Level	AID	Abbreviated Item Description Analog Input Differential Audit Item Disposition
AGMC	Aerospace Guidance and Metrology Center	AIDS	Airborne Integration Data System
AGO	Santiago, Chile (Standardization)	AIL	Aileron Avionics Integration Laboratories
AGOES	Advance Geosynchronous Observation Environment Satellite	AILAS	Automatic Instrument Landing Approach System
AGOSS	Automated Ground Operations Sched- uling System (also AUTO-GOSS)	AILS	Automatic Instrument Landing System
AGS	Abort Guidance System Advanced Gimbal System Antigravity Suit	AIM	Automated Information Management
AGU	American Geophysical Union	AIP	American Institute of Physics Avionics Integration Plan
AGVS	Air/Ground Voice System	AIPR	Automated Information Processing Resources
		AIR	Action Item Report Adaptive Intercommunication Require- ment

AIS	Action Item Sheet Airlock Illumination Subassembly Analog-In Single-Ended	ALPHA	Angle of Attack (Pitch) Right Ascension
AISC	American Institute of Steel Construction	ALPS	Approach and Landing Procedures Simulator
AIST	Agency of Industrial Science and Technology	ALRC	Aerojet Liquid Rocket Corporation
AIU	Abort Interface Unit Avionics Interface Unit	ALS	Advance Logistics System Advanced Launch System Airlock System (ECLS) Alternate Landing Site Alternate Launch Site Approach Landing System Automatic Landing System
AJ	Assembly Jig	ALSA	Astronaut Life Support Assembly
AKM	Apogee Kick Motor	ALSE	Astronaut Life Support Equipment
AL	Acoustic Levitator Airlock	ALSS	Airlock Support System (Subsystem)
AL/EMU	Airlock/Extravehicular Mobility Unit	ALT	Alternate Altitude Approach and Landing Tests
ALAE	Atmospheric Lyman Alpha Emission	ALTM	Altimeter
ALAS	Approach Landing Autopilot System (Subsystem) Automatic Landing Autopilot Subsystem	ALTR	Approach and Landing Test Requirement
ALC	Aft Load Controller Air Logistics Center Audio Load Compensator Automatic Level Control (Camera) Automatic Light Control	ALU	Advanced Levitation Unit Arithmetic Unit
ALCA	Aft Load Control Assembly Automatic Level Control Assembly	AM	Actuator Mechanism Administration and Management Operations (KSC Dir.) Alpha Meter Ammeter Amplitude Modulation Antenna Management
ALDO	Activity Level Dependent Operations	AMA	Air Material Area (now Air Logistics Centers)
ALE	Airport Landing Equipment Airport Lighting Equipment	AMB	Ambient
ALERT	Acute Launch Emergency Reliability Tip	AMC	Automatic Mixture Control
ALF	Acoustic Levitation Furnace	AMCA	Aft Motor Control Assembly
ALFE	Advanced Liquid Feed Experiment	AMCP	ADL Master Control Program
ALGOL	Algorithmic Language	AMDB	Automated Maintenance Data Base
ALIO	Activity Level Independent Operations		
ALM	Alarm		
ALN	Alignment		

AMDM	Acoustic Midflight Deck Module	AMST	Advanced Medium STOL Transport
AMDS	Advanced Missions Docking Sub- system	AMSU	Advanced Microwave Sounding Unit
AMEC	Aft Master Events Controller	AMTAS	Automatic Modal Tuning and Analysis System
AMF	Abort Motor Facility Apogee Motor Firing	AMTD	Automatic Magnetic Tape Dissemina- tion
AMG	Activation Management Group	AMTF	Acoustic Model Test Facility
AMI	Absolute Memory Image Airspeed Mach Indicator Alpha/Mach Indicator	AMU	Astronaut Maneuvering Unit Attitude Matchup Update
AML	Approved Materials List	AN	Applications Notice Army/Navy
AMLC	Asynchronous Multiline Controller	ANA	Air Force-Navy Aeronautical Bulletin
AMMS	Automatic Maintenance Management System	ANAL	Analysis
AMOOS	Advanced Maneuvering Orbit-to-Orbit Shuttle	ANC	Active Nutation Control
AMOS	Air Force Maui Optical Site	ANCE	Attitude Nutation Control Electronics
AMP	Ampere	AND	Air Force-Navy Aeronautical Design Standard
AMPR	Aeronautical Manufacturers Planning Report Aeronautical Manufacturers Progress Report	ANG	Angle
AMPS	Atmosphere, Magnetosphere, and Plasmas in Space Atmospheric Magnetospheric Plasma System	ANIK	Canadian Communications Satellite
AMPTE	Active Magnetospheric Particle Tracer Explorers	ANL	Analog Automatic Noise Limiter
AMR	Advanced Microwave Radiometer Atlantic Missile Range	ANLG	Analog
AMRV	Astronaut Maneuvering Vehicle	ANNUN	Annunciator
AMS	Acoustic Measurement System Actuation Mechanism Subsystem American Meteorological Society Amplifier Amplifier Subsystem	ANRA	Air Navigation Radio Aids
AMSAT	Radio Amateur Satellite Corp.	ANSI	American National Standards Institute
		ANT	Antenna Antigua (ETR)
		AO	Analog Output Announcement of Opportunity
		AOA	Abort-Once-Around Angle of Attack
		AOCE	Attitude and Orbit Control Electronics
		AOCRD	Acceptance and Operational Checkout Requirements Document
		AOCS	Attitude and Orbit Control Subsystem

AOD	Aircraft Operations Division (JSC) Analog Output Differential Assistant Operations Director	APCI	Air Products and Chemicals, Inc.
AOO	Administrative Operations Office	APCS	Autonomous Payload Control System
AOPM	Airline Operations Planning Model	APD	Area Passive Dosimeter
AORM	Atomic Oxygen Resistance Monitor	APE	Auroral Photography Experiment
AOS	Acquisition of Signal	APERT	Aperture
AOSO	Advanced Orbiting Solar Observatory	API	Air Position Indicator
AOT	Actual Operating Time Alignment Optical Telescope Avionics Operating Time Avionics Overall Test	APIF	Automated Process Information File
AOTV	Aeroassisted Orbital Transfer Vehicle	APIRD	Authorized Procurement Information Requirements Description
AP	Access Panel Air Pressure Ammonium Perchlorate Application Processor Atmospheric and Space Physics Attitude Processor Procurement, Support and Transportation (KSC Dir.)	APIRL	Authorized Procurement Information Requirements List
APA	Abort Programmer Assembly Allowance for Program Adjustment	APLAC	Analysis Program Linear Active Circuits
APA(E)	Attached Payload Accommodations (Element)	APM	Ascent Particle Monitor Assistant Project Manger Astronaut Positioning Mechanism
APC	Adapted Payload Carrier Advanced Propulsion Comparison Study Aft Power Controller Allocated Prime Costs Armored Personnel Carrier Automatic Phase Control Autonomous Payload Controller	APP	Advanced Procurement Package Approach Approach Astrophysics Payload Approved Astrophysics Payload
APCA	Aft Power Controller Assembly	APPF	Automated Payload Processing Facility
APCC	Atmospheric Pressure and Composition Control	APPLE	Advanced Propulsion Payload Effects
APCG	Advanced Protein Crystal Growth	APPS	Auxiliary Payload Power System
		APPX	Appendix
		APR	Advanced Parts Release
		APRS	Automated Procurement Request System
		APS	Aft Propulsion System (Subsystem) Alternate Payload Specialist American Physical Society Astronaut Positioning System Attitude Propulsion Subsystem Automatic Processing System Auxiliary Power Subsystem Auxiliary Propulsion System

APSA	Asymmetric and Planar Structural Analysis	ARI	Airconditioning and Refrigeration Institute
APSAP	Auxiliary Propulsion System Aft Prod	ARIES	Astronomical Radio Interferometric Earth Surveying
APSS	Atmospheric Pressure Supply Subsystem	ARINC	Aircraft Radio, Incorporated
APT	Advanced Propulsion Test Astronaut Preference Test Automatic Picture Transmission Automatic Programmed Tool	ARMS	Automated Requirements Management System Automated Resources Management System
APTI	Automatic Programmed Test Input	ARN	Additional Reference Number
APU	Auxiliary Power Unit Auxiliary Propulsion Unit	ARP	As-Run Procedure
APUS	Auxiliary Power Unit Subsystem	ARPCS	Atmospheric Revitalization Pressure Control System
APUT	Auxiliary Power Unit Test	ARPESH	Accurate and Reliable Prototype Earth Sensor Head
AQL	Acceptance Quality Level	ARPF	Army Pulse Radiation Facility
AR/IRR	Acceptance Review/Integration Readiness Review	ARR	Array
AR	Acceptance Readiness Acceptance Review Atmospheric Revitalization	ARRL	American Radio Relay League
AR&DA	Advanced Research and Development Activity	ARRS	Air Recovery and Rescue Service
ARA	Attitude Reference Assembly AVVI Radar Altitude	ARS	Advanced Recovery System Air Rescue Science Air Rescue Service Air Revitalization System Atmospheric Revitalization System Attitude Reference System
ARABSAT	Saudi Arabian Comm. Satellite	ARTCC	Air Route Traffic Control Center
ARAP	Astronaut Rescue Air Pack	AS	Aft Shroud Ascent Attitude Set
ARC	Aggregation of Red Blood Cells Ames Research Center (Moffett Field, CA)	AS&E	American Science and Engineering
ARCOMSAT	Arab League Communications Satellite	ASA	Abort Sensor Assembly Adapter Service Area Aerosurface Amplifier Aerosurface Servo Amplifier Altitude Switch Assembly American Standards Association Assured Shuttle Availability
ARCS	Aft Reaction Control System (Subsystem)		
ARF	Assembly and Refurbishment Facility		
ARFDS	Automatic Reentry Flight Dynamics Simulator		

ASAC	Aerodynamic Surface Assembly and Checkout	ASED	Avionics Systems Engineering Division (JSC)
ASAP	Aerospace Safety Advisory Panel As Soon as Possible	ASF	Atmospheric Science Facility
ASAS	Aerodynamic Stability Augmentation Subsystem	ASG	Avionics Subsystem Group
ASB	Airlock Stowage Bag	ASHRAE	American Society of Heating, Refrigeration, and Airconditioning Engineers
ASC	Aerodynamics Surface Control Aerosurface Control American Satellite Company Ascent Automatic Sensitivity Control	ASI	Airspeed Indicator Amended Shipping Instructions Augmented Spark Igniters Augmented System Ignition
ASC/AB T	Ascent/Abort	ASK	Amplitude Shift Keying
ASCADS	Aft Station Command and Data Systems	ASKA	Automatic Systems for Kinematic Analysis
ASCE	Airlock Signal Conditioning Electronics	ASL	Above Sea Level
ASCG	Automatic Solution Crystal Growth	ASLU	Antenna Select Logic Unit
ASCII	American Standard Code for Information Interchange	ASM	Assembler Language
ASCP	Attitude Set Control Panel	ASME	American Society of Mechanical Engineers
ASCS	Atmospheric Storage and Control Section Atmosphere Storage and Control Subsystem (System) Attitude Stabilization and Control System	ASO	Advanced Solar Observatory Ammonia System Operations Aviation Safety Office
ASDE	Aerosurface Driver Electronics	ASP	Activity Scheduling Program Aerosurface Position Airborne Science Program Aspirator
ASDM	Aerosurface Driver/Monitor	ASPI	Aerosurface Position Indicator
ASDTIC	Analog Signal to Discrete Time Interval Converter	ASPP	Atmospheric and Space Plasma Physics
ASE	Advanced Space Engine Airborne Support Equipment Automatic Support Equipment	ASPS	Annular Suspension Pointing System
ASEA	Advanced Solidification Experiment Activity	ASPSL	ASPP Sortie Laboratory
ASEB	Aeronautics and Space Engineering Board	ASQC	American Society for Quality Control
		ASR	Air/Sea Rescue Automatic Speech Recognition Avionics System Review
		ASRC	Alabama Space and Rocket Center
		ASRM	Abort Solid Rocket Motor Advanced Solid Rocket Motor

ASRS	Automated Software Reporting System	ATCOS	Atmospheric Composition Satellite
ASS	Airlock Support Subsystem	ATCS	Active Thermal Control Subsystem (System)
ASSESS	Airborne Science Shuttle Experiments System Simulation Airborne Science/Spacelab Experiment System	ATD	Advanced Technology Development Alternate Turbopump Development
ASSY	Assembly	ATDB	Aerothermodynamic Data Book
AST	Aerospace Technologist Astronomy	ATE	Airborne Test Equipment Automatic Test Equipment
ASTD	Advanced Space Technology Division	ATIS	Automatic Terminal Information System
ASTF	Aeropropulsion System Test Facility	ATL	Advanced Technology Laboratory
ASTG	Aerospace Test Group	ATLAS	Abbreviated Test Language for Avionics Systems Atmospheric Laboratory for Applica- tions and Science
ASTIA	Armed Services Technical Information Agency (now DDC)	ATLASS	Advanced Technology for Large Area Space Structures
ASTM	American Society for Testing Materials	ATM	Apollo Telescope Mount Auxiliary Tape Memory
ASTP	Apollo Soyuz Test Project	atm	Atmosphere
ASTR	Astronomy	ATMOS	Atmospheric Trace Molecules Observed by Spectroscopy Atmospheric Trace Molecule Spec- troscopy
Astro	Astronomy Payload		
Astro-1	Astronomy Payload-1		
ASTS	Avionics System Test Specification		
ASVT	Applications System Verification and Transfer		
ASYM	Asymmetry		
AT	Action Time Astrometric Telescope Automatic TAEM	ATO	Abort-to-Orbit
AT&T	American Telephone & Telegraph	ATOLL	Acceptance Test of Launch Language
ATA	Abort Timing Assembly Air Transport Association Avionics Test Article	ATP	Acceptance Test Procedure Activation Test Program Authority to Proceed
ATAC	Advanced Technology Advisory Com- mittee	ATPA	Alpha Temperature Probe Assembly
ATC	Ablative Thrust Control Air Traffic Control Air Training Command ATE Computer	ATR	Air Transport Radio Air Transport Rating Air Transportation Rack
ATCA	Attitude Translation Control Assembly		

ATS	Acceptance Test Specification Administrative Terminal System Advanced Technology Spacecraft Analog Tone Signal Applications Technology Satellite	AV	Average Value Avionics
ATS	Asynchronous Task Storage Automatic Terminal System	AV BAY	Avionics Bay
ATT	Acceptance Thermal Test (Testing) Attitude	AVC	Automatic Volume Control
ATTEN	Attenuation	AVCG	Automatic Vapor Crystal Growth
ATTS	Automatic Telemetry Tracking System	AVE	Atmospheric Variability Experiment Avenal (TACAN Station)
ATU	Airlock Audio Terminal Audio Terminal Unit Audio Thermal Unit	AVG	Average
ATVC	Ascent Thrust Vector Control Ascent Thrust Vector Controller Automatic Thrust Vector Control	AVL	Address Validity Avionics Verification Laboratory
ATVCD	Ascent Thrust Vector Control Driver	AVO	Avoid Verbal Orders
AU	Accounting Unit Addressable Unit Astronomical Unit	AVSM	Auxiliary Video Switch Matrix
AUB	Aft Utility Bridge	AVSR	Avionics Verification Status Room
AUD	Audio	AVT	Acceptance Vibration Testing
AUG	Augment	AVVI	Altimeter Vertical Velocity Indicator Altitude/Vertical Velocity Indicator
AURA	Association of Universities for Research in Astronomy	AW	Airlock Wall Assembly Workstand
AUST DOMSAT	Australian Communication Satellite	AWCS	Agency-Wide Coding Structure Automatic Work Control System
AUT	Automatic	AWG	Activation Working Group American Wire Gage
AUTO	Automatic	AWL	Automated Wire List
AUTO-GOSS	Automated Ground Operations Scheduling System (also AGOSS)	AWS	Air Weather Service American Welding Society Automated Wiring System
AUTODIN	Automatic Digital Network	AXAF	Advanced X-Ray Astrophysics Facility
AUTOLAND	Automatic Landing	AXIOM	AXAF Imaging Optical/UV Monitor
AUX	Auxiliary	AZ	Azimuth
		AZS	Automatic Zero Set

B		BAN	Budget Allocation Notice
B	Bit	BAPTA	Bearing and Power Transfer Assembly
B&G	Bridges and Gateways	BARB	Ballast Aerating Retrieval Boom
B&P	Bid and Proposal	BARO	Barometer
	Budgetary and Planning	BARS	Baseline Accounting and Reporting System
B&W	Black and White	BASD	Ball Aerospace Systems Division
B-1 DIV	B-1 Division (Rockwell)	BASS	Backup Avionics System Software
B/A	Bank Angle	BATSE	Burst and Transient Source Experiment
	Barometric Altimeter	BATT	Battery
	Buffer Amplifier	BB	Breadboard
B/C	Bench Check	BBC	Before Business Clearance
B/L	Baseline	BBXRT	Broad Band X-Ray Telescope
B/O	Booster Orbiter	BC	Battery Charger
	Breakout		Binary Counter
	Burnout		Bus Coupler
B/SC	Brake Skid Control	BCCT	Break Control Command Transducers
B/s	Bits Per Second	BCD	Baseline Configuration Document
B/SMPL	Bits Per Sample		Binary Coded Decimal
B/U	Backup		Budget Change Document
B/V	Bleed Valve	BCE	Backup Control Electronics
B/W	Black and White		Beamsplitter Control Electronics
BA	Bank Angle		Bus Control Element
	Breathing Air	BCFS	Backup Flight Control System
BAC	Boeing Aircraft Company	BCH	Binary Coded Hexadecimal
	Booster Assembly Contractor		Bose-Chaudhuri-Hocquenghen (Computer Code)
	Budget at Complete	BCN	Beacon
	Buffer Access Card	BCP	Base Condemnation Percent
BACS	Body Axis Coordinate System		Benchmark Control Point
BADG	British Aerospace Dynamics Group	BCR	Bar Chart Report
BAE	British Aerospace	BCRD	Basic Consolidated Requirements Document
BAI	Barometric Altitude Indicator	BCRT	Binary Code Range Time
BAIR	Breathing Air	BCS	Bragg Crystal Spectrometer
BAL	Balance		
BAMSI	Brown Association Management Services, Inc.		

BCSS/HETGS

	Bragg Crystal Spectrometer/High Energy Transmission Grating Spectrometer
BCT	Bus Configuration Table
BCU	Bus Control Unit
BCWP	Budget Costs for Work Performed
BCWS	Budget Costs for Work Scheduled
BD	Band Binary Decoder Binary Digit Binary Discrete Board
BDA	Backup Drive Amplifier Beacon Drive Assemblies Bermuda Island Bermuda (STDN) Blast Danger Area
BDC	Bidirectional Converter Bit Error Rate
BDCF	Baseline Data Collection Facility
BDCR	Baseline Document Change Request
BDD	Baseline Definition Document
BDT	Block Data Transfer
BDY	Body
BDYFLP	Body Flap
BECO	Booster Engine Cutoff
BER	Bit Error Rate
BESS	Biological Experiment Scientific Satellite Biomedical Experiment Scientific Satellite Biomedical Experiment Support Satellite
BEST	Booster Exhaust Study Test
BET	Best Estimate of Trajectory

BETA ANGLE

	Sideslip Angle
BEWS	Blast Environment Wave Simulator
BF	Beat Frequency Body Flap
BFC	Backup Flight Control Backup Flight Controller Body Flap Control
BFCS	Backup Flight Control System
BFL	Back Focal Length Bakersfield (TACAN Station)
BFO	Beat Frequency Oscillator
BFRP	Boron Fiber Reinforced Plastics
BFS	Backup Flight System
BFZES	Breadboard Float Zone Experiment System
BH/MP	Breather Hose/Mouthpiece
BHD	Bulkhead
BHN	Brinell Hardness Number
BHP	Brake Horsepower
BHS	Base Heat Shield
BIA	Bus Interface Adaptor
BIPROP	Bipropellant
BIO	Bio Research Module Biological Bioseparation
BIOMED	Biological Medicine (Medical)
BIOS	Biological Satellite
BIS	Biocide Injection System
BIT	Binary Digit Built-in Test
BITE	Built-in Test Equipment
BIU	Buffer Interface Unit Bus Interface Unit
BK	Back Brake
BKHD	Bulkhead

BKNO₃	Boron Potassium Nitrate	BOE	Basis of Estimate
BLC	Boundary Layer Coolant		Break of Entry
BLDG	Building	BOF	Beginnning of File
BLDN	Blowdown	BOI	Break of Integrity
BLIMP	Boundary Layer Integral Matrix Procedure	BOL	Beginning of Life
BLK	Block	BOM	Beginning of Month Bill of Materials
BLOW	Booster-Lift-Off Weight	BOP	Baseline Operations Plan
BLR	Boiler	BOPACE	Boeing Plastic Analysis Capability for Engines
BLS	Bottom Left Side	BOS	Backup Operating System Bright Object Sensor
BLV	Bleed Valve	BOT	Beginning of Tape BOTSWANA (STDN)
BLWR	Blower	BOW	Bill of Work
BM	Basal Metabolism Body Mounted Business (Branch) Manager	BP	Back Pressure Bandpass Barber Pole Blood Pressure Boilerplate
BMA	Body-Mounted Accelerometer	BPD	Baseline Program Documentation
BMAG	Body-Mounted Attitude Gyro	BPI	Bits Per Inch
BMAP	Buffer Map	BPM	BATSE Power Module Beats Per Minute
BMB	Base Maintenance Building	BPMS	Blood Pressure Measuring System
BME	Bench Maintenance Equipment	BPR	Bypass Ratio
BMFT	German D-1 Spacelab Payload West German Federal Ministry of Research and Technology	BPRC	Battery Protection and Reconditioning Circuit
BMMD	Body Mass Measuring Device	BPS	Bits Per Second
BMR	Body Mounted Radiator	BPT	Body Point
BMS	Background Measurement Satellite	BPV	Biopropellant Valve
BMT	Bearing Materials Tester	BR	Biorack (Spacelab D-1 Experiment) Bit Rate
BMU	Bus Monitor Unit	BRAVO	Business Risk and Value of Operation in Space
BN	Ballistic Number	BRCS	Basic Reference Coordinate System
BO	Bakeout Breakout Box	BRE	Blood Rheology Experiment
BOA	Basic Ordering Agreement Basic Operating Agreement		
BOB	Best on Best		
BOC	Base Operations Contract		
BOD	Beneficial Occupancy Date Bright Object Detector		

BRES	Blood Rheology Experiment Study	Btu	British Thermal Unit
BRG	Bearing	BU	Backup
BRK	Brake	BUC	Backup Computer Buckhorn, CA (GSTDN)
BRKT	Bracket	BUFF	Buffer
BRM	Biological Research Module	BUOU	Backup Optical Unit
BRPM	Breath Rate Per Minute	BUR	Backup Rate
BRRS	Banana River Repeater Station	BW	Bandwidth Biowissenschaften (Spacelab D-1 Experiment)
BRS	Bottom Right Side		Bridgewire
BRT	Bright	BX	Box
BS	Block Specification	BY	Budget Year
BSC	Brake Skid Controller	BYP	Bypass
BSDP	Booster Stage Discharge Pressure	BZT	Benzotriazole
BSE	Booster Systems Engineer		
BSFR	Back Surface Field Reflector		
BSI	Basic Shipping Instructions Boeing Services International Inc.		
BSK	Biostack		
BSM	Booster Separation Motors		
BSMT	Bearing Seals and Materials Tester		
BSR	Basic System Release Bite Status Register		
BSRM	Booster Solid Rocket Motor		
BSS	Backup System Services		
BSSD	Ball Space Systems Division		
BSTR	Booster		
BSTRA	Ball-Strut-Tie-Rod Assembly		
BT	Burn Time (Engine)		
BTA	Booster Trowelable Ablator		
BTC	Binary Time Code Bus Tie Contractor		
BTMS	Body Temperature Measuring System		
BTR	Boom Time Remaining Burn Time Remaining Bus Transfer		
BTS	Biotelemetry System Booster Technology Simulator		
BTU	Bus Terminal Unit		

C

C	Candle	C/S	Counts Per Second
	Capacitance		Cycles Per Second
	Celsius	C/SCSC	Cost/Schedule Control Systems Criteria
	Centigrade	C/W	Carrier Wave
	Coefficient		Caution and Warning
	Complete	CA	California
	Constant		Carrier Aircraft
	One Hundred		Cone Angle
c	cycle		Contingency Abort
C&D	Control and Display		Contract Award
C&DH	Command and Data Handling		Corrective Action
C&DS	Command and Data Simulator		Cost Account
C&M	Control and Monitoring	CAB	Cabin
C&T	Communication and Tracking		Cabinet
C&TSS	Communication and Tracking Subsystem		Civil Aeronautics Board
C&W	Caution and Warning		Cost Audit Board
C-BD	C-Band	CACB	Center Aisle Connector Bracket
C-Band	3,900 to 6,200 MHz	CACC	Communications and Configuration Console
C-C	Carbon-Carbon	CACON	Cargo Container
C-to-C	Computer-to-Computer	CAD	Computer Aided Design
C/C	Combustion Chamber	CADE	Controller/Attitude-Direct Electronics
C/D	Countdown	CADP	Critical Assignment Development Program
C/F	Center Frequency	CADS	Command and Data Simulator
C/L	Checklist	CADSI	Communications and Data Systems Integration
	Closed Loop		
C/min	Cycles Per Minute	CADU	Control and Display Unit
C/O	Changeout	CAE	Computer Aided Engineering
	Checkout	CAG	Commercial Advocacy Group
	Contamination/Overpressure	CAI	Computer Aided Instruction
	Cutoff	CAIT	Computer Aided Instructional Training
C/P	Cold Plate	CAL	Calibrate, Calibration
C/R	Commutation Rate		Cornell Aeronautical Laboratory
		cal	Calories
		CALC	Calculate

CALS	Computer Aided Acquisition and Logistics System		Cost Accounting Standard
CAM	Carrier Aircraft Modification Collision Avoidance Maneuver Computer Aided Manufacturing Computer Annunciation Matrix Content Addressable Memory	CASA	Computer Aided Systems Analysis
CAMR	Camera	CASB	Cost Accounting Standards Board
CAN	Certification Analysis Network	CASES	Checkout Atmospheric Science Experiment Set
CANEX	Canadian Experiments		Controls Astrophysics Structures Experiment in Space
CAP	Capacitor, Capacity CCMS Application Programs Computer Aided Productivity Computer Application Program Contractor Acquired Property Cost Account Package Crew Activity Plan	CASO	Cancellation Addendum Sales Order
CAPCOM	Capsule Communicator	CASP	CDS Application Support Programs
CAPRI	Captive Rest Ignitor	CASS	CITE Augmentation Support System
CAPS	Common Attitude Pointing System Corrective Action Problem System Crew Activity Planning System Crew Altitude Protection Suit	CAST	Casting and Solidification Technology
CAPSIM	Captive Simulation	CAT	Computer Aided Test
CAR	Certification Approval Request Configuration and Acceptance Review Corrective Action Request	CATS	Component Acceptance Test System
CARD	Constraints and Restrictions Document	CATEG	Category
CARID	Customer Acceptance Review Item Disposition	CAU	Command Acquisition Unit Command Activation Unit Customer Acquisition Unit
CARR	Customer Acceptance Readiness Review	CAUSE	Computer Aided User Oriented System Evaluation
CART	Complete and Ready for Test	CAUT	Caution
CAS	Calibrated Airspeed Command Augmentation System Control Augmentation System	CB	Center of Buoyancy Circuit Breaker Constant Bandwidth
		CB/ac	Circuit Breaker (ac only)
		CB/dc	Circuit Breaker (dc only)
		CBA	C-Band Transponder Antenna
		CBC	Closed Brayton Cycle Complete Blood Count
		CBD	Commerce Business Daily
		CBE	Connector Bracker, Experiment
		CBIL	Common and Bulk Items List
		CBP	Connector Bracket Power
		CBrF₃	Bromotrifluoromethane (Fire-Extinguishing Material)
		CBR	Configuration Budget Review
		CBS	Connector Bracket Signal Cost Breakdown Structure

CBSA	Cargo Bay Stowage Assembly	CCDS	Center for Commercial Development of Space
CBSC	Chinese Broadcasting Satellite Corporation	CCE	Charge Composition Explorer Computer Command Engineer
CBT	Computer Based Training	CCF	Converter Compressor Facility
CBV	Cabin Bleed Valve	CCFF	Cape Canaveral Forecast Facility
CBW	Constant Bandwidth	CCIM	Command Computer Input Multiplexer
CBX	C-Band Transponder	CCIR	International Radio Consultative Committee
CC	Carbon-Carbon Channel Controller Chief Counsel (KSC Directorate) Communications Control Cost Center Crew Compartment Crew(s) Certified	CCITT	Consultive Committee for International Telephone and Telegraph
CCA	Communications Carrier Assembly Contract Change Authorization Coolant Control Assembly Contract Change Authorization	CCL	Closed Circuit Loop Commonality Candidate List Configuration Control Logic
CCAFS	Cape Canaveral Air Force Station	CCM	Center Council Meeting Controlled Carrier Modulation Crew/Cargo Module
CCATS	Command, Communication, and Telemetry System (Subsystem)	CCME	Contract Change Mass Estimate
CCB	Change Control Board Configuration Change Board Configuration Control Board	CCMS	Checkout, Control, and Monitor Subsystem (LPS) Command Control and Monitor System
CCBD	Configuration Change Board Directive Configuration Control Board Directive	CCN	Contract Change Negotiation Contract Change Notice
CCBSG	Change Control Board Screening Group	CCOH	Corrosive Contaminants, Oxygen, and Humidity
CCC	Central Computer Complex Communication(s) Control Console Complex Control Center Contaminant Control Cartridge Controller Checkout Console	CCOPE	Cooperative Convective Precipitation Experiment
CCD	Charged Coupled Devices Checkout Command Decoder Configuration Control Document Constants Change Display	CCP	Center Console Panel Charge Capacitance Probe Commercial Change Proposal Computer Control Panel Configuration Change Point Configuration Control Panel Configuration Control Phase Contract Change Proposal Cost Control Program
CCDR	Contractor Critical Design Review		

CCR	Configuration Change Request Contractor Change Request Control Center Rack Corner Cube Retroreflectors	CDB	Central Data Buffer Command Data Base
CCRA	Cape Canaveral Reference Atmosphere	CDBFR	Common Data Buffer
CCRF	Consolidated Communication Recording Facility	CDC	Confined Detonating Cord Control Data Corporation Countdown Clock
CCS	Central Control Section Central Control Station Command and Communication System Command and Control Subsystem Complex Control Set Computer Core Segment Console Communication System Contamination Control System	CDCE	Cosmic Dust Collection Experiment
CCSDS	Consultive Committee for Space Data Systems	CDCR	Contractor Drawing Change Request
CCSSO	Council of Chief State School Officers	CDDF	Center Director's Discretionary Fund
CCT	Computer Compatible Tape Cost Commitment Team	CDDS	Command and Data System
CCTV	Closed Circuit Television	CDDT	Countdown Demonstration Test
CCU	Camera Control Unit Central Control Unit Communications Carrier Unit Crewman Communications Umbilical	CDF&TDS	Circuit Design, Fabrication, and Test Data Systems
CCV	Chamber Coolant Valve	CDF	Cable Distribution Frame Central Data Facility Circuit Design Fabrication Confined Detonating Fuse Cool-Down Facility
CCVA	Chamber Coolant Valve Actuator	CDH	Constant Delta Height
CCW	Counterclockwise	CDI	Course Deviation Indicator
CD	Center Director (KSC Directorate) Change Directive Coefficient of Drag Command Decoder MDM	CDM	Communications/Data Manager
cd	Candella (Luminous Intensity)	CDMS	Command and Data Management Subsystem
CDA	Command and Data Acquisition Critical Design Audit	CDN	CDR Discrepancy Notice
		CDNR	CDR Discrepancy Notice Board
		CDOS	Customer Data and Operations System
		CDP	Command Data Processor
		CDPIS	Command Data Processing and Instrumentation System
		CDQR	Critical Design and Qualification Review
		CDR	Cleaning, Decontamination Request Commander Critical Design Review
		CDRL	Contract Data Requirements List

CDRR	Component Design Requirements Review	CEDC	Cycling Error Detection Code
	Contract Documentation Requirements Records	CEI	Configuration End Item
CDS	Central Data Subsystems (LPS)		Contract End Item
	Central Data System	CEIAC	Coastal Engineering Information Analysis Center
	Closeout Door System	CEIT	Crew Equipment Integration Test
	Collision Detector System		Crew Equipment Interface Test
	Control Data Corporation	CELSS	Controlled Environment and Life Support System
	Control Data System	CELV	Complementary Expendable Launch Vehicle
CDSC	Communications Distribution and Switching Center	CEP	Circular Error Probable
CDT	Central Daylight Time	CEQ	Council on Environmental Quality
	Command Descriptor Table	CER	Cost Estimating Relationship
	Compressed Data Tape	CERT	Certification
	Configuration Data Table	CERV	Crew Emergency Return Vehicle
	Countdown Time	CES	Control Electronics System
CDU	Computer Display Unit		Crew Escape System
	Control and Display Unit	CESC	Canadian Space Agency Engineering Support Center
	Coupling Data Unit	CETA	Crew and Equipment Translation Aid
	Coupling Display Unit	CETF	Critical Evaluation Task Force
	CRT Display Unit	CEU	Control Electronics Unit
CDW	Command Data Word	CF	Carrier Frequency
	Computer Data Word		Center Forward
CE	Change Evaluation		Centrifugal Force
	Civil Engineering	CFD	Computational Fluid Dynamics
	Control Element		Continuous Flow Diffusion
	Cost Element		Converter, Frequency to dc Voltage
	Current Expendable	CFE	Contractor Furnished Equipment
CE&IS	Combined Elements and Integration Systems	CFES	Continuous Flow Electrophoresis System
CEA	Control Electronics Assembly (for MMU)	CFI	Card Format Identifier
CEC	Control Electronics Container	CFLSE	Critical Fluid Light Scattering Experiment
	Control Encoder Coupler	CFM	Customer Furnished Material
CECP	Compatibility Engineering Change Proposal	CFMF	Crip Flow Management Facility

CFP	Conceptual Flight Profile	CHUTE	Parachute
CFR	Code Federal Regulation	CHX	Cabin Heat Exchanger
CFRP	Carbon Fiber Reinforced Plastics	CI	Certification Inspection
CFSTI	Clearinghouse for Scientific and Technical Information (now NTIS)		Color Interior Film
CFT	Common Facilities Test		Configuration Inspection
CFU	Colony Forming Unit		Configuration Item
CFY	Company Fiscal Year		Continuous Interlock
CG	Center of Gravity	CIA	Crew Interface
CGAU	Cabin Gas Analysis Unit		Control Interface Assembly
CGC	Command Guidance Computer	CIAP	Climatic Impact Assessment Program
CGCD	Crossed Grid Charge Detector	CIB	Change Impact Board
CGF	Crystal Growth Furnace		Change Implementation Board
CGG	Contingency Gravity Gradient	CIC	Command Interface Control
CGP	Central Grounding Point		Continuing Improvement Council
CGSS	Cryogenic Gas Storage Subsystem		Control and Information Center
CH	Channel		Crew Interface Coordinator
CH₄	Methane	CICA	Competition in Contracting Act
CHAMP	Comet Halley Active Monitoring Program	CIC C	Cargo Integration Control Center
CHAN	Channel	CIC U	Computer Interface Conditioning Unit
CHAR	Character		Computer Interface Control Unit
CHASE	Coronal Helium Abundance Spacelab Experiment	CID	Charge Injection Device
CHCS	Cabin Humidity Control Subsystem		Computer Interface Device
CHeCS	Crew Health Care System	CIDL	Configuration Item Data List
CHG	Change	CIDR	Critical Intermediate Design Review
	Charge	CIE	Communications Interface Equipment
CHGR	Charger		Communications Interface Coordinator
CHL	Certified Hardware List	CIF	Computer Interface Electronics
	Channel	CIFS	Central Instrumentation Facility
CHMBR	Chamber	CIG	Critical Initial Flaw Size
CHR	Cooper-Harper Rating		Cable Integrity Group
CHROMEX	Chromosome and Plant Cell Division in Space	CIL	Communications and Interface Group
CHS	Collimated Hole Structure	CIM	Critical Items List
		CIN	Computer Input Multiplexer
			Center Information Network
			Change Identification Number
		CINDAS	Center for Information and Numerical Data Analysis and Synthesis

CIP	Coordinated Instrument Package Customer Integration Panel	CL	Centerline Close (Closed)
CIR	Cargo Integration Review Change Incorporation Record Circle Circulate Configuration Inspection Report		Closed Loop Closed Loop Control Logic Cluster Coefficient of Lift Commonality List
CIRC	Circularization Burn, OMS2	Class	Classification
CIRCUM	Circumference	CLC	Change Letter Control
CIRHS	Critical Items and Residual Hazards List		Critical Load Cycle
CIRRIS	Cryogenic Infrared Radiance Instrument for Shuttle	CLDST	Closed Loop Dynamic Stability Test
CIS	Central Integration Site Change Impact Summary Communication Interface System Component Identification Sheet Contractor's Information Submittal Customer Information System	CLG	Ceiling
CISS	Centaur Integrated Support Structure	CLIP	Combined Laser Instrumentation Package
CIT	Critical Item Tag	CLM	Care Logic Module
CITE	Cargo Integration Test Equipment	CLMC	Central Logistics Management Center
CIU	Computer Interface Unit Communications Interface Unit Controller Interface Unit	CLNR	Cleaner
CIV	Critical Ionization Velocity	CLOC	Canadian Logistics Operation Center
CIVT	Cargo Interface Verification Test	CLR	Clear
CJC	Cold Junction Compensator	CLRB	Cost Limit Review Board
CK	Check	CLS	Contingency Landing Site(s)
CKAFS	Cape Kennedy Air Force Station (Changed to CCAFS)	CLSO	Contingency Landing Support Officer
CKPT	Checkpoint	CLT	Closed Loop Test
CKRA	Cape Kennedy Reference Atmosphere (Changed to CCRA)	CLUSTER	International Solar Terrestrial Physics Program
CKS	Checks	CM	Cargo Management Center of Mass Common Module Configuration Management Consumables Management Control Monitor Crew Module
CKT	Circuit	cm	Centimeter
		CM&S	Communications Maintenance and Storage
		CMA	Configuration Management Accounting Cylindrical Mirror Assembly

CMACS	Central Monitor and Control System	CMTF	Canadian Mockup and Training Facility
CMAO	Contract Management Assistance Officer	CMTS	Computerized Maintenance Test System
CMAT	Compatible Materials (List)	CMV	Common Mode Voltage
CMC	Crew Module Computer Command Module Computer	CN	Change Notice
CMD	Command Contamination Monitor Package	CNCR	Characterization of Neurospora Circadian Rhythms
CMD DCDR	Command Decoder	CNDS	Condensate
CME	Cryogen Management Electronics	CNP	Canoga Park
CMF	Command Management Facility	CNRL	Communications and Navigation Research Laboratory
CMG	Control Moment Gyro Control Momentum Gyroscope	CNS	Computer Network System
CMIF	Core Module Integration Facility	CNSL	Console
CMIS	Core Module Integration Simulator	CNTL	Control
CMM	Condition Monitored Maintenance	CNTLR	Controller
CMN	Crewman	CNTR	Counter
CMO	Configuration Management Office	CNTRL	Control Controller
CMOS	Complementary Metal Oxide Silicon	CNWDI	Critical Nuclear Weapons Design Information
CMP	Configuration Management Panel Configuration Management Plan	CO	Cargo Operations (KSC Directorate) Change Order Checkout Contracting Officer Cutoff
CMPR	Compare	CO₂	Carbon Dioxide
CMPRT	Compartment	COA	Center Operations Area
CMPTD	Computed	COAS	Course Optical Alignment Sight Crew(man) Optical Alignment Sight
CMPTR	Computer	COAX	Coaxial, Coaxial Cable
CMPTR ACTY	Computer Activity	COB	Close of Business Communications Office Building
CMR	Center Materials Representative	COBE	Cosmic Background Explorer
CMRB	Contractor Material Review Board	COBOL	Common Business Oriented Language
CMRR	Common Mode Rejection Ratio	COC	Certification of Compliance Close-Open-Close
CMS-2	Cambridge Monitoring System (IBM Computer Program)	COD	Center Operations Directorate (JSC)
CMS	Command Management System		
CMSI	Checkout/Control and Monitor Subsystem Interface		
CMT	Crew Maintenance Time		

COE	Corps of Engineers	COMPT	Compartment
C of F	Construction of Facilities	COMR&DSAT	Communication Research and Development Satellite
	Cost of Facilities	COMSAT	Communications Satellite
COFI	Checkout and Fault Isolation (on Board)	COMSEC	Communications Security
COFR	Certificate of Flight Readiness	COMTEL	Compton Telescope
COFW	Certificate of Flight Worthiness	CON	Contact
COI	Coast Orbital Insertion	CONCN	Concentration
	Composite Optics, Inc.	COND	Condenser Condition, Conditioner
COIM	Checkout Interpreter (Software) Module	CONDR	Conditioner
COL	Checkout Language	CONF	Conference
COLD-SAT	Cryogenic on Orbit Liquid Depot- Storage, Acquisition, Transfer	CONFIG	Configuration
COLM	Column	CONN	Connect, Connector
COM	Common, Commonality Computer Output Microfiche	CONS	Console
COM-M	Common Mode	CONSTR	Construct, Construction
COMAS	Combined Orbital Maneuvering and Abort System	CONT	Container Contingency Continue, Continued, Continuous
COMAT	Compatibility of Materials	CONTAM	Contaminate
COMB	Combustion	CONTIG	Contiguous
COMEC	Communications Security	CONTR	Control, Controller
COMEDS	Continental U.S. Meteorological Data System	CONUS	Continental United States
COMM	Communications	CONV	Converter
COMMAND	Computer Command Engineer	COOP	Cooperative
COMP	Compass Compensate Component Computation of Rendezvous Targeting Computer	COORD	Coordinate
COMPEN	Compensator	COP	Contingency Operations Plan Co-orbiting Platform
COMPL	Completed	COQ	Certificate of Qualification
COMPOOL	Common Data Pool	COR	Contracting Officer Representative
COMPR	Compress, Compressor	CORE	Common Operational Research Equipment
		COS	Carry-on Oxygen System Console Operating System Co-orbiting Satellite Cosine

COSATI	Committee on Scientific and Technical Information	CPCI	Computer Program Change Instruction Computer Program Configuration Item
COSI	Closeout System Installation	CPCL	Computer Program Change Library Computer Program Control Library
COSMIC	Coherent Optical System of Modular Imaging Collectors	CPCR	Computer Program Change Request Crew Procedures Change Request (Form 482)
COSPAR	Committee on Space Research	CPD	Converter, Pulse to dc Voltage Crew Passive Dosimeter Crew Procedures Division
COSS	Centaur Operations at the Space Station	CPDDS	Computer Program Detail Design Specification
COSTA	Cost Accounting (Code)	CPDR	Contractor's Preliminary Design Review
COTR	Contracting Officer's Technical Representative	CPDS	Computer Program Design (or Development) Specification Crew Procedures Documentation System
COTS	Commercial Off the Shelf	CPE	Change Package Engineer Chief Program Engineer Continuous Particle Electrophoresis
COV	Cutoff Valve	CPEI	Computer Program End Item
CP	Candle Power Cargo Program Office (KSC) Cargo Projects Office (KSC) Center of Pressure Chemically Pure Circular Pitch Cold Plate Console Processor Control Panel Control Point	CPES	Crew Procedures Evaluation (Evaluator) Simulator
CP-DPO	Deployable Payloads Projects Office (KSC)	CPF	Cargo Processing Facility Central Processing Facility Cost Per Flight
CP-FEO	Cargo Facilities and GSE Projects Office (KSC)	CPFF	Cost Plus Fixed Fee
CP-PCO	Cargo Projects-Program Control Office	CPG	Change Planning Group
CP-SPO	Spacelab Projects Office (KSC)	CPI	Cost Performance Index Cross Pointer Indicator
CPA	Contingency Planning Aid Critical Path Analysis	CPIF	Cost Plus Incentive Fee
CPAF	Cost Plus Award Fee	CPL	Capillary Pump Loop Couple
CPC	Central Planning Center Characteristics Properties Code Computer Program Component	CPLT	Complete
CPCB	Crew Procedures Control Board		
CPCEI	Computer Program Contract End Item		

CPM	Computer Program Module	CRES	Corrosion Resistant Steel
	Critical Path Method	CRG	Change Review Group
	Cycles Per Minute (c/min preferred)		Correspondence Review Group
CPMP	Crew Procedures Management Plan	CRIS	Calibration Recall and Information System
CPP	Competitive Placement Plan	CRISP	Computer Resources Integrated Support Plan
CPR	Critical Problem Report	CRISTA	Cryogenic Infrared Spectrometers and Telescopes for Atmosphere
CPS	Canadian Payload Specialist		
	Cycles Per Second (c/s preferred)	CRIT	Critical
CPSE	Common Payload Support Equipment	CRM	Chemical Release Module
CPSS	Cold Plate Support Structure	CRMD	Computer Resources Management Data
	Critical Phase System Software	CRN	Cable Routing Rotation
CPT	Cargo Processing Technician		Contract Revision Number
	Computer Program Tapes		Cosmic Ray Nuclei Experiment
CPU	Central Processing Unit	CRNE	Cosmic Ray Nuclei Experiment
	Computer Printer Unit	CRO	Cathode Ray Oscillograph(s) or Oscilloscopes
CQCM	Cryogenic Quartz Crystal Microbalance	CRP	Configuration Requirements Processing
CQDR	Critical Qualification Design Review	CRPL	Cosmic Ray Physics Laboratory
CR	Card Reader	CRR	Computer Run Report
	Certification Requirement		Critical Requirements Review
	Change Request	CRRES	Combined Release and Radiation Effects Satellite
	Configuration Review	CRRF	Cosmic Ray Radiation Facility
	Control Room	CRS	CO ₂ Reduction Subsystem
	Crew		Course
CR&T	Command, Ranging, and Telemetry		Cross
CR/DIR	Change Request Directive	CRSFD	Crossfeed
CRAF	Comet Rendezvous Asteroid Flyby	CRSI	Ceramic Reusable Surface Insulation
CRAS	Cost Reduction Alternative Study	CRSS	Critical Resolved Shear Stress
CRB	Change Review Board	CRSVR	Crossover
CRBD	Change Review Board Directive	CRT	Cathode-Ray Tube
CRC	Contractor Recommended Code	CRTG	Cartridge
	Cost Reduction Curve	CRU	Catalytic Research Unit
CRD	Change Request Disposition		
CRDG	Contamination Requirements Definition Group		
CRDP	Computer Resources Development Plan		

CRW	Control Read/Write	CSDL	Charles Stark Draper Laboratory (MIT)
CRYO	Cryogenic	CSDT	Computer Software Data Tapes
CRYT	Cryogen Tank	CSE	Catalytic Surface Effects Experiment Common Support Equipment Communications Systems Engineer Computer Support Equipment Configuration Switching Equipment
CS	Change Status Checkout Station Common Set Communications System Consumables Status Control Segment Core Segment Crew Station STS Cargo Operations (KSC Directorate) Spacelab Operations Directorate	CSF	Central Supply Facility Cost Sensitivity Factor
CSA	Canadian Space Agency Cyclic Strain Attenuator	CSI	Coelliptic Sequence Initiation Controls-Structures Interactions Control Servo Input Crew Software Interface
CSAA	Committee on Space Astronomy and Astrophysics	CSIR	Computer Systems (Hardware/Soft- ware) Integration Review
CSAM	Crinkled Single Aluminized Mylar	CSIU	Core Segment Interface Unit
CSAS	Computerized Status Accounting System	CSL	Command Signal Limiter Computer Status Lights Crew Systems Laboratory
CSAT	Combined Systems Acceptance Test	CSM	Command Service Module Common Support Module Computer Status Matrix
CSC	Computer Sciences Corporation Conical Shaped Charge Contingency Support Center (CCAFS) Cosecant Computing Amplifier	CSOC	Consolidated Space Operations Center
CSCB	Contractor's Summary Cost Breakdown	CSOP	Crew Systems Operating Procedures
CSCSAT	Commercial Synchronous Communica- tion Satellite	CSP	Computer Support Program
CSD	Chemical Systems Division Control System Development Crew Systems Division	CSPU	Core Segment Processing Unit
CSDD	Control Systems Development Division (JSC)	CSR	Certification Status Report Check Signal Return Crew Station Review
CSDF	Central Source Data File	CSRP	Computers and Software Review Panel
		CSR	Crew Station Review
		CSS	Computer Subsystem Control Stick Steering Core Segment Simulator
		CSSA	Coarse Sun Sensor Assembly
		CSSE	Control System Simulation Equipment

CST	Central Standard Time (c.s.t. preferred) Combined Systems Test Contract Supplemental Tooling Crew Station Trainer Crew Systems Trainer (One-G Trainer)	CTS	Call to Stations Canadian Technology Satellite Communications and Tracking System Computer Test Set Computerized Training System Coordinate Transformation System
CSTA	Crew Software Training Aid	CTSD	Computer Test Sequences Document
CSTC	Consolidated Space Test Center	CTTB	Checkout Techniques Test-Bed
CSTR	Canister	CTU	Central Timing Unit
CSTS	Cryogenic Storage and Transfer System	CTWT	Counterweight
CT	Crawler Transporter Cupola Trainer Current Transformer	CU	Control Unit
CTA	Computer Technology Associates (GSFC) Controlled Thrust Assembly	cu	Cubic
CTC	Camera, Timing, and Control Chief Test Conductor	CUB	Commonality Usage Board
CTE	Central Timing Equipment	CUC	Computer Usage Control
CTI	Critical Transportation Item	CUDS	Cumulative Data Statistics
CTIS	Crawler Transporter Intercom System	CUE	Common Usage Equipment
CTL	Canoga Test Laboratory Central or Control	CUF	Cross Utilization File
CTM	Contract Technical Manager Crystalline Transitional Material	CUIL	Common Usage Item List
CTN	Certification Test Network	CUM	Cumulative
CTP	Communications Timing Procedure Cyclic Time Processor	CUP	Commonality Usage Proposal
CTPD	Crew Training and Procedures Division (JSC)	CV	Check Valve Coefficient of Variation Deployable Payloads Operation (KSC CO Dir.) Expendable Vehicles Operations (KSC Directorate)
CTR	Contract Technical Representative	CVAD	Converter, Voltage, ac to dc
CTRS	Component Test Requirements Specifications	CVAS	Configuration Verification Accounting System
		CVDA	Converter, Voltage Discrete, ac
		CVE	Computer Vehicle Erector
		CVM	Control Valve Module
		CVR	Change Verification Record Configuration Verification Review
		CVRD	Converter, Variable Resistance, to dc Voltage

CVT Chemical Vapor Transport
 Communications Vector Table
 Concept Verification Testing

CVTE Chemical Vapor Transport Equipment

CW Clockwise
 Command Word
 Continuous Wave

CWA Caution and Warning Annunciator
 Clean Work Area
 Conference Work Area
 Controlled Work Area

CWE Caution and Warning Electronics

CWEA Caution and Warning Electronic
 Assembly

CWEU Caution and Warning Electronics Unit

CWFSP Caution and Warning/Fire Suppression
 Panel

CWG Constant Wear Garment

CWLM Caution and Warning Limit Module

CWS Caution and Warning Status
 Caution and Warning System

CWSU Caution and Warning Status Unit
 Condensate Water Servicing Unit

CX Color Exterior Film

CY Calendar Year
 Cycle

CYL Cylinder

D		DACS	Data Acquisition and Control System
D	Deck		Digital Acquisition and Control System
	Deliver (Delivery)	DACT	Disposable Absorption Collection Trunk
	Delta		
	Down	DADE	Data Acquisition and Decommutation Equipment
	Drag		
D&C	Display and Control (C&D preferred)	DADS	Data Archive and Distribution System
D&CS	Display and Controls Subsystem		Dual Air Density Satellite
D&O	Description and Operations	DAE	Dual Acquisition Equipment
D&P	Drain and Purge		Dynamic Augmentation Experiment
D&PD	Definition and Preliminary Design	DAF	Data Acquisition Facility
D&PS	Design and Performance Specification		Data Analysis Facility
D&R	Definition and Requirement	DAFT	Data Acquisition Frequency Table
D/A	Digital to Analog	DAIS	Data Avionics Information System
D/C	Displays/Controls	DAL	Data Accession List
D/L	Data Link		Data Acquisition List
	Deorbit/Landing		Data Aided Loop
	Downlink	DAM	Double Aluminized Mylar
	Downlist		Driver Amplifier Module
D/S	Downstream	DAP	Data Acquisition Plan
D/VD	Data/Voice Data		Digital Autopilot
DA	Data Acquisition	DAR	Data Aided Review
	Deployment Assembly		Deviation Approval Request
	Distribution Assembly		Digital Autopilot Requirements
	Double Amplitude		Drawing Analysis Record
DA&D	Data Acquisition and Distribution	DARPA	Defense Advanced Research Projects Agency
DAB	Data Acquisition Bus		
DABS	Discrete Address Beacon System	DARS	Data Acquisition and Reduction System
DAC	Data Acquisition and Control	DARTS	Digital Automated Radar Tracking System
	Data Acquisition Camera		
	Digital to Analog Converter	DAS	Data Acquisition System
	Digital to Analytical Conversion		Data Analysis Station
DACB	Data Acquisition and Control Buffer		Digital Address System
DACBU	Data Acquisition and Control Buffer Unit		Digital Avionics System
			Documentation Accountability Sheet
		DASA	Dual Aerosurface Servo Amplifier

DATE	Dynamics, Acoustics, and Thermal Environment Experiment	dBW	Decibels Referred to 1 Watt
DAU	Data Acquisition Unit Digital Adapter Unit	DC	Data Coordinator Development-Center Display Coupler
DAV	Data Available	dc	Direct Current
DAVL	Data Available-Low	DCA	Defense Communication Agency Design Change Authorization Digital Command Assembly Distribution Control Agency
DB	Data Base Data Bus Deadband Design Baseline Distribution Box Dry Bulb	DCAA	Defense Contract Audit Agency
dB	Decibel	DCAR	Design Corrective Action Report
DBC	Data Bus Control Data Bus Coupler	DCAS	Data Collection and Analysis System Defense Contract Administration Services
DBCI	DB With Respect to a Circular Polarized Antenna	DCC	Data Computation Complex Document Control Center
DBE	Data Bus Element Droplet Burning Experiment	DCCU	Digital Command and Control Unit Digital Communications and Control Unit Display Computer Control Unit
DBFN	Data Base File Number Data Bus File Number	DCE	Drop Combustion Experiment
DBG	Data Bus Group	DCIB	Data Communication Input Buffer
DBGMP	Data Bus Generation and Maintenance Package	DCIM/DSCIM	Display System Computer Input Multiplexer
DBI	Data Bus Interface Unit-Launch	DCIU	Digital Control and Interface Unit
DBIA	Data Bus Interface Adapter Data Bus Isolation Amplifier	DCKNG	Docking
DBIU	Data Bus Interface Unit	DCL	Document Change List
DBL	Double	DCM	DECOM Control Memory Direction Cosine Matrix Display and Control Module
DBM	Data Base Management	DCMB	Development Configuration Management Board
dBm	Decibels Referred to 1 Milliwatt	DCN	Design Change Notice Document Change Notice Drawing Change Notice
DBN	Data Bus Network	DCNP	Document Change Notice Proposal
DBP	Design Baseline Program		
DBRN	Data Bank Release Notice		
DBS	Data Base System		
DBUR	Data Bank Update Request		
DBW	Data Bus Wire		

DCO	Detailed Checkout	DD&CS	Dedicated Display and Control Subsystem
DCOP	Detailed Checkout Procedures Displays, Controls, and Operations Procedures	DD/HH:MM:SS	Day/Hour:Minute:Second
DCP	Data Collection Platform Depot Condemnation Percent DEU Control Program Development Cost Plan	DDA	Digital Differential Analyzer ICD Departure Authorization
DCPEI	DEU Control Program End Item	DDAS	Digital Data Acquisition System
DCR	Design Certification Review Design Change Request Design Concern Report Design Criteria Review Document Change Record (or Review)	DDC	Data Distribution Center Defense Documentation Center Digital Data Cell
DCS	Data Communication System Data Control System Design Communication System Design Criteria Specification Detail Checkout Specification(s) Digital Command System (Subsystem) Display and Control System Document Control System Dual Checkout Station	DDD	Design Definition Document Display Decoder Drive
DCSI	Data and Control Signal Interface	DDDL	Digital Data Downlink
DCSP	Digital Control Signal Processor	DDDU	Digital Decoder Driver Unit
DCSU	Digital Computer Switching Unit	DDI	Dedicated Display Indicator Discrete Data Input Discrete Digital Input
DCU	Digital Computer Unit Display and Control Unit	DDIS	Data Depository Index System
DCV	Direct Current Volts	DDL	Data Downlink Dedicated Discipline Laboratory
DD	Data Depository Data Display Decoder Driver Dedicated Displays Directives Documentation Mechanical and Facilities Engineering (KSC DE Dir.)	DDM	Data Display Module Data Display Monitoring Discrete Data Management Drop Dynamics Module
		DDMS	DOD Manager for Space Shuttle Support
		DDO	Discrete Digital Output
		DDP	Design Development Plan Digital Data Processing (Processor)
		DDPC	Digital Data Processing Center (Complex)
		DDPF	Dedicated Display Processing Function
		DDPS	Digital Data Processing System
		DDR	Data Discrepancy Report Design Development Record Detail Design Review

DDS	Data Display System Detailed Design Specification Documentation Distribution System	DELTA-T	Difference in Temperature
DDT&E	Design, Development, Test, and Engineering/Evaluation (Flights) Design, Development, Test, and Evaluation	DEMOD	Demodulate, Demodulator
DDTF	Dynamic Docking Test Facility	DEMS	Dynamics Environment Measurement System
DDTS	Dynamic Docking Test System	DEMUX	Demultiplexer
DDU	Data Display Unit Decommutator Distribution Unit Display Driver Unit	DEORB	Deorbit
DDU-KB	Data Display Unit and Keyboard	DEPL	Deploy
DE	Design Engineering (KSC Dir.) Doppler Extractor Dynamics Explorer	DEPRESS	Depressurize
DEACT	Deactivate	DEPT	Department
DEC	Declination	DER	Drawing Error Report
DECL	Direct Energy Conversion Laboratory (JSC)	DERIGID	Derigidize
DECOM	Decommutate, Decommutator	DES	Data Exchange System Descend, Descent Design
DECR	Decrease	DESAT	Desaturated
DECS	Civil Engineering Office at Vandenberg	DESC	Descent
DECU	Data Exchange Control Unit	DESIG	Designate
DED	Dedicate, Dedicated	DESPOP	Design Performance Optimization
DEDA	Data Entry and Display Assembly	DEST	Destination
DEE	Digital Events Evaluator	DET	Detail Detent Digital Event Timer
DEF	Definition	DETN	Detection
DEFL	Deflect	DETR	Detector
DEG	Degree	DEU	Display Electronic(s) Unit
DEI	Design Engineering Identification	DEV	Develop, Development
DEIS	Design Engineering Inspection Simulation Design Evaluation Inspection Simulator	DEVN	Deviation
DEL	Deliver, Delivery Deorbit, Entry, and Landing	DEW	Distant Early Warning
		DF	Development Flight Development-Forward Direction Finder (Finding) Disassembly Facility Project Management (KSC DE Dir.)
		DF-SPE-A	Shuttle Project Engineering Office
		DFCS	Digital Flight Control Software (System)

DFE	Data Flow Engineer Direction Finding Equipment	DIGI	Digital
DFG	Display Format Generator	DIH	Discrete Input High
DFI	Development Flight Instrumentation Discrete Input High	DIL	Deliverable Items List Discrete Input Low
DFRC	Hugh L. Dryden Flight Research Center	DIM	Design Interface Meeting
DFR	Defrost	DIMEN	Dimension
DFRN	Differential Differential Velocity	DIP	Designated Inspection Point Display Input Processor
DFRN PRESS	Differential Pressure	DIPEC	Designated Inspection Point Display Interface Processing (Processor)
DFS	Directional Finding System Dynamic Flight Simulator	DIPL	Defense Industrial Plant Equipment Center
DFVLR	Deutsche Forschungs-und Versuch- sanstalt Fur Luft-und Raumfahrt Federal German Aerospace Research Establishment	DIPL	Display Initial Program Load
DG	Display Generator	DIR	Direct Document Information Record
DH	Decision Height	DIRM	Data Item Responsibility Matrix
DHA	Design Hazards Analysis	DIS	Disagree Documentation Index System
DHE	Data Handling Electronics	DISAP	Disapproved
DHS	Discrete Horizon Sensor	DISASSY	Disassembly
DI	Data Integrator Development Integration Discrete Input Display Interface Display Interface Processor (Software Functional Element)	DISC	Discone Disconnect Discrete
DIA	Diameter	DISCH	Discharge
DIAG	Diagonal	DISENG	Disengage
DIAGN	Diagnose	DISP	Dispenser Display Display Functions
DIDS	Defense Integrated Data System	DIST	Distribution
DIF	Difference Discrete Increment Filter	DISTR	Distributor
DIFF	Differential	DIT	Data Id Table Dynamic Integrated Test
DIG	Digital Image Generation	DITFAC	Development, Integration, and Test Facility
		DIU	Data Interface Unit Digital Interface Unit
		DIV	Division

DK	Deck Display/Keyboard Docking	DMIA	Dual Multiplexer Interface Adapter
DKR	Dakar, Senegal	DMIS	Data Management Information System
DL	Development-Left Downlink Electronics Engineering (KSC DE Dir.)	DML	Developmental Instrumentation MDM-Left
DLAT	Destructive Lot Acceptance Testing	DMON	Discrete Monitoring
DLC	Direct Lift Control	DMOS	Diffusive Mixing of Organic Solutions
DLIM	Delimiter	DMP	Deployable Maintenance Platform DEU Message Processor Dump
DLS	Doppler Lidar System Dynamic Load Simulator	DMR	Developmental Instrumentation MDM-Right
DLSC	Defense Logistics Service Center	DMRS	Data Base Management and Retrieval System
DLSM	Data Link Summary Message	DMS	Data Management System Docking Mechanism System (Subsystem)
DLTR	Data Link Terminal Repeater Data Link Transmission Repeater		Docking Module Subsystem Dynamic Motion Simulator
DLY	Delay	DMSP	Defense Meteorological Satellite Program
DM	Data Manager Development Motor Developmental Instrumentation MDM-Mid Disassembly Manual Docking Mechanism Document, Documentation	DMSS	Data Management System Simulator (CVT)
DM&O	Data Management and Operations	DMU	Data Management Unit
DMA	Direct Memory Access Direct Memory Address Drive Motor Assembly	DN	Discrepancy Notice Down
DMC	Data Management Computer Data Management Controller Data Management Coordinator Direct Maintenance Cost	DNA	Does Not Apply
DMCF	Deservicing, Maintenance, and Checkout Facility	DNLK	Downlink (D/L preferred)
DMD	Dextrous Manipulator Demonstration	DNLT	Downlist
DME	Distance Measuring Equipment	DNO	Descending Node Orbit
DMG	Data Management Group	DNP	Dynamic Nuclear Polarization
		DO	Discrete Output
		DOA	Department of Agriculture
		DOB	Date of Birth
		DOC	Department of Commerce Discipline Operations Center Document, Documentation
		DOCS	Data Operations Control System

DOD	Department of Defense Depth of Discharge	DPA	Data Processing Assembly Destructive Physical Analysis
DOD-STP	Department of Defense–Standard Satellite	DPD	Data Procurement Document
DODD	Department of Defense Directive	DPF	Differential Pressure Feedback Dynamic Pressure Feedback
DOE	Department of Energy	DPI	Detail Program Interrelationships
DOF	Degree-of-Freedom Direction of Flight	DPLR	Doppler
DOH	Discrete Output High	DPM	Drop Physics Module Dual Port Memory
DOI	Descent Orbit Insertion	DPNL	Distribution Panel
DOL	Department of Labor Discrete Output Low	DPP	Deployment Pointing Panels
DOMSAT	Domestic Satellite	DPPS	Department of Defense (DOD) Project Specification
DOP	Detailed Observing Plan Diver Operated Plug	DPR	Definition Phase Review
DOS	Disk Operating System	DPS	Data Processing and Software Data Processing Software System Data Processing System (Subsystem)
DOSIM	Dosimeter	DPT	Design Proof Test
DOT	Department of Transportation Deployment Operations Team	DPY	Deploy
DOT/CIAP	DOT Climatic Impact Assessment Program	DR	Data Requirement Dead Reckoning Design Review Development-Right Discrepancy Report Discrete Register Dispatch Reliability Disposition Record Door Drive
DOV	Director of Orbital Verification	DR&A	Data Requirements and Analysis
DOY	Day of Year	DRA	Document Release Authorization
DP	Data Package Data Processing Delayed Procurement Deployable Payload Design Proof Development Phase Differential Pressure Double Pole Double Precision	DRB	Design Requirements Baseline Design Review Board
DP&S	Data Processing and Software	DRC	Data Reduction Center Discrete Rate Command
DP&SS	Data Processing and Software Subsystem		
DP/DT	Delta Pressure/Delta Time		

DRD	Data Requirement Description Data Requirements Document Detailed Requirements Document Document Requirement Description	DSB	Document Status Bulletin Double Side Band
DRF	Data Request Form Digital, Radio Frequency Documentation Requisition Form	DSC	Data Separator Card Dedicated Signal Conditioner
DRG	Digital Ranging Generator	DSCRM	Discriminator
DRI	Data Rate Indicator	DSCS	Defense Satellite Communications System
DRIRU	Dry Rotor Inertial Reference Unit	DSDU	Data Storage Distribution Unit
DRK	Display Request Keyboard	DSE	Data Storage Equipment Data System Experiment
DRL	Data Requirements List Document Requirements List	DSEA	Data Storage Electronics Assembly
DRM	Data Records Management Design Reference Mission Drawing Requirements Manual	DSI	Defense Systems Incorporated
DRN	Drain	DSIF	Deep Space Instrumentation Facility
DRO	Document Release Order	DSKY	Display Keyboard
DROG	Drogue	DSM	Data System Manager
DROP	Dynamics of Rotating and Oscillating Free Drops	DSN	Deep Space Network
DRR	Data Recorder/Reproducer Design Requirements Review	DSO	Detailed Secondary Objectives Detailed Supplementary Objectives
DRS	Data Relay Satellite Data Relay Station Digital Range Safety	DSP	Defense Support Program
DRSS	Discrepancy Report Squawk Sheet	DSPL	Display
DRT	Design Reference Timeline	DSPM	Designated Subsystems Project Manager
DRUC	Disposition Record Unsatisfactory Condition	DSS	Data Systems Supervisor Deep Space Station Department Summary Schedule Documentation Support Services
DS	Data Storage Directional Solidification	DSSM	Dedicated Solar Sortie Mission
DS&R	Data Storage and Retrieval	DST	Dimensional Special Tooling Dynamic Stability Test
DSA	Defense Supply Agency	DSTF	Delta Spin Test Facility
DSAD	Data Systems and Analysis Directorate (JSC)	DSTP	Data System Technology Program
		DSUWG	Data System Users Working Group
		DSW	Door Switch
		DT	Delayed Time Digital Test Measurement System Drop Tank

DTA	Development Test Article Differential Thermal Arrest	DVS	Design Verification Specification Digital Voice System
DTC	Design to Cost	DVT	Design Verification Testing Development Verification Test
DTCS	Digital Test Command System	DW	Data Word
DTCW	Data Transfer Command Word	DWG	Drawing
DTE	Data Transmission Equipment Digital Television Equipment	DWI	Data Word In
DTF	Development Test Flight	DWS	Disaster Warning Satellite
DTI	Development Test Instrumentation	DWV	Dielectric Withstanding Voltage
DTM	Digital Transient Model	DY	Deputy Director (KSC Directorate)
DTMO	Development, Test, and Mission Operations Digital Test Measurement System	DYN	Dynamic
DTMS	Development, Test, and Mission Support (DTMO) Digital Test Measurement System Digital Test Monitoring System	DXS	Diffuse X-Ray Spectrometer
DTO	Detailed Test Objective		
DTP	Detail Test Plan		
DTPR	Detailed Test Procedures		
DTRD	Development Test Requirements Document		
DTS	Data Transfer System Data Transmission System		
DTV	Development Test Vehicle		
DU	Display Unit		
DUA	Digital Uplink Assembly		
DUC	Digital Uplink Command		
DUM	Dummy		
DUPLX	Duplex		
DUPLXR	Duplexer		
DUR	Duration		
DV	Designated Verification Designee for Verification		
DVD	Delta Velocity Display		
DVM	Digital Voltmeter		

E

E	East	EASE	Experiment Assembly of Structures in Extravehicular Activity
E	Elevation Angle	EAT	Environmental Acceptance Test
	Engine	EB	Electronic Beam
	Exempt (From Traceability)		Emergency Box
E&D	Engineering and Development	EBC	Emulated Buffer Computer
	Engineering and Development Directorate (JSC)	EBCDC	Extended Binary Coded Decimal
E&I	Electrical and Instrumentation	EBD	Eyeballs Down (+GZ)
E&OO	Engineering and Operations Office	EBI	Eyeballs In (+GX)
E-E	End-to-End	EBL	Eyeballs Left (+GY)
E-P	Electron/Proton	EBO	Eyeballs Out (-GX)
E/C	Encoder/Coupler	EBR	Eyeballs Right (-GY)
E/L	Entry/Landing	EBS	Emergency Breathing Subsystem
E/M	Engineering Model	EBU	Eyeballs Up (-GZ)
E/O	Engineering/Operations	EBW	Electron Beam Welding
E/O-IMS	E/O-Information Management System		Exploding Bridge Wire
E/W	Energy to Weight Ratio	EC	Element Contractor
EA	Each		Engine Control
	Electronic Assembly		Engine Cutoff
EAC	Energy Absorbing Capacity		Essentiality Code
	Estimate at Completion		Events Controller
	Experiment Apparatus Container	ECA	Events Coupler
EAD	Electrically Alterable Device		Experiment Computer
EADI	Electronic Attitude Director Indicator		Electronics Control Assembly
EADS	Engineering Analysis and Data System		Engineering Change Analysis
		ECAS	Epoxy Curing Agent
EAFB	Edwards Air Force Base		Experiment Computer Applications Software
	Eglin Air Force Base	ECB	Engineering Change Board
	Ellington Air Force Base		Event Control Block
EAM	Electrical Accounting Machine		Events Control Buffer
EAP	Employee Assistance Program	ECC	Engineering Change Control
EAR	Engineering Analysis Report		Engineering Critical Component
EAS	Equivalent Air Speed	ECCB	Engineering Change Control Board
		ECD	Engineering Control Drawing
			Estimated Completion Date
		ECE	Experiment Checkout Equipment

ECEP	Experiment Checkout Equipment Processor	EDA	Electronic Display Assembly Elevation Drive Assembly
ECF	Element Charge Factor Equivalency Capability File	EDAX	Compositional Analysis
ECG	Electrocardiogram	EDB	Environmental Data Book
ECI	Earth Centered Inertia (Inertials)	EDC	Engineering Design Change
ECIO	Experiment Computer Input/Output	EDC(M)	Electrochemical Depolarized CO ₂ (Module)
ECL	Entry Closed Loop	EDCP	Engineering Design Change Proposal
ECLS	Environmental Control and Life Support	EDDR	Electron Dipole-Dipole Reservoir
ECLSS	Environmental Control and Life Support System (Subsystem)	EDF	Engineering Data File
ECN	Engineering Change Notice	EDLN	Engineering Development Logic Network
ECO	Engine Combustion Engine Cutoff Engineering Change Order	EDM	Electro-Discharge Machining
ECOS	Experiment Computer Operating System	EDNi	Electro-Deposit Nickel
ECP	Engineering Change Program Engineering Change Proposal Engineering Control Proposal Explicitly Coded Program	EDO	Extended Duration Orbiter
ECR	Engineering Change Request Engineering Change Review	EDP	Electronic Data Processing Embedded Data Processor
ECRA	Engineering Change Request/Authorization	EDPE	Electronic Data Processing Equipment
ECS	Engine Control System Environmental Conditioning System Environmental Control System (Subsystem)	EDPM	Electronic Data Processing Machine
ECU	Electronic Coupling Unit Environmental Control Unit	EDR	Engineering Design Review
ECWS	Environment Control Workstation	EDS	Electrical Distribution System Emergency Detection System Explosive Device System
ED	Edge Distance Edit Engineering Directive Explosive Device	EDT	Eastern Daylight Time (e.d.t. preferred)
		EDU	Engineering Development Unit
		EDV	Electronic Depressurizing Valve
		EDW	Edwards (TACAN Station) Edwards Air Force Base, CA (Deorb OPT site)
		EE	End Effector
		EEC	Extendible Exit Cone
		EECOM	Electrical, Environmental, and Communications Electrical, Environmental, Consumables, and Mechanical Systems (MPSR)

EECOMP	Electrical, Environmental, and Consumables System Engineer	EGIL	Electrical, General Instrumentation, and Lighting Engineer
EED	Electro (Electrical) Explosive Device	EGO	Eccentric (Orbiting) Geophysical Observatory
EEE	Electronic, Electrical, Electro-mechanical	EGRET	Energetic Gamma-Ray Explorer Telescope
EEEU	End Effector Electronics Unit	EGRS	Egress
EEG	Electroencephalogram	EGSE	Electrical Ground Support Equipment
EEH	EMU Electrical Harness	EGT	Elapsed Ground Time
EEIS	End-to-End Information System		Estimated Ground Time
EEL	Electrical Equipment List		Exhaust Gas Temperature
EELS	Electron Energy Loss Spectroscopy	EGUN	Fast Pulse Electron Gun
EEM	Earth Entry Module	EH/M	Extension Hose/Mouthpiece
EENT	Eye, Ear, Nose, and Throat	EHC	Electrical Heating Control
EEO	Equal Employment Opportunity	EHF	Extremely High Frequency
EEP	Electronics Equipment Package	EHOT	External Hydrogen/Oxygen Tank
EES	Ejection Escape Suit Emergency Ejection Suits	EHP	Effective Horsepower Electrical Horsepower
EET	Entry Elapsed Time	EHR	Earned Hour Ratio
EETB	Electronic Electrical Termination Building	EHS	Environmental Health Services
EEU	Extravehicular Excursion Unit	EHX	Experiment Dedicated Heat Exchanger
EEVT	Electrophoresis Equipment Verification Test	EI	Electromagnetic Interference Electronic Interface End Item Engineering Instruction Entry Interface Environmental Impact
EF	Exposed Facility	EIA	Electrical Industries Association
EFA	Experiment Flight Applications	EIASN	End Item Assembly Sequence Number
EFCS	Earth Fixed Coordinate System	EIC	Experimental Intercom
EFF	Efficiency	EID	End Item Documentation
EFFGRO	Efficient Growth (Computer Program)	EIDP	End Item Data Package
EFL	Engineering Field Laboratory	EIFA	Element Interface Functional Analysis
EFP	ESA Furnished Property	EIR	Environmental Impact Report
EFRD	Experiment Functional Requirements Document	EIRP	Effective Isotropic Radiated Power
EFTO	Encrypted for Transmission Only		
EG	Entry Guidance		
EGA	Evolved Gas Analysis		
EGC	Experiments Ground Computer		
EGF	Electrical, Grapple Fixture		

EIS	Electrical Integration System End Item Specification Environmental Impact Statement Experiment Initiator System Extended Instruction Set	ELINT	Electromagnetic Intelligence
EIT	Entry Interface Time	ELM	Experiment Logistics Module
EIU	Engine Interface Unit	ELMCH	Electromechanical
EIVT	Electrical and Instrumentation Verification Test Electrical Interface Verification Test Electronic Installation Verification Test	ELMS	Elastic Loop Mobility System Elements
EJN	Ejection	ELRAD	Earth-Limb Radiance Experiment
EKC	Eastman Kodak Company	ELS	Earth Landing System (Subsystem) Eastern Launch Site Elevon Load System Emergency Landing Site Energy Loss Spectroscopy
EKG	Electrocardiogram (Record) Electrocardiograph (Instrument)	ELSC	Earth Landing Sequence Controller
EL	Elastic Limit Electroluminescent Elevate Elevation Angle Equipment List	ELSS	Emergency Life Support System
EL MECH	Electromechanical	ELT	Emergency Locator Transmitter
ELACS	Extended Life Attitude Control System	ELV	Earth Launch Vehicle Electrically Operated Valve Expendable Launch Vehicle
ELB	Elbow	ELVN	Eleven
ELDISC	Electrical Disconnect	EM	Electromagnetic Emergency Engineering Model Exception Monitor
ELDO	European Launcher Development Organization	EMA	Electromagnetic Analysis
ELDV	Electrically Operated Depressurization Valve	EMC	Electromagnetic Compatibility
ELEC	Electric Electronic	EMCC	Emergency Mission Control Center
ELECT	Electrical	EMCD	Electromechanical Control Diagram
ELECTR	Electronics	EMCI	Engineering Model Configuration Inspection
ELEV	Elevon	EMCP	Electromagnetic Containerless Processing
ELF	Extremely Low Frequency (1 Hz to 3 kHz)	EMCPS	Electromagnetic Containerless Processing Science
ELGRA	European Low Gravity Research Association	EMD	Entry Monitor Display
		EMEC	Electromagnetic Effects Capability Electromagnetic Effects Compatibility
		EMER	Emergency

EMES	Electrical, Mechanical, and Environmental Systems	ENA	Enable
EMF	Electromagnetic Force Electromotive Force	ENC	Encode
EMG	Electromyograph(gram) Surface Electromyograms	ENCD	Encode
EMI	Electromagnetic Interference	ENCL	Enclose
EMIS	Emission	END EFF	End Effector
EMK	Emergency Medical Kit	ENDF	Evaluated Neutron Data File
EML	Electromagnetic Laboratory Electromagnetic Levitator	ENG	Electronystagogram Engine, Engineer
EMN	Engineering Management Network	ENGR	Engineer
EMON	Exception Monitoring	ENGRG	Engineering
EMP	Electromagnetic Pulse Environmental Measurement Payload Equipment Mounting Plate	ENT	Entry
EMPGS	Electrical/Mechanical Power Generation Subsystem	ENVIR	Environment, Environmental
EMR	Electromagnetic Radiation Engine Mixture Ratio	EO	Earth Observation Earth Orbit Engineering Order Engine Out
EMRL	Equipment Maintenance Requirements List		Equal Opportunity Program Office (KSC Directorate)
EMS	Electromagnetic Susceptibility Engineering Master Schedule Engineering Modeling System Entry Monitor Subsystem Entry Monitoring System	EOC	End of Contract Engine Order Capability Engine-out Capability
EMSF	External Maintenance and Servicing Facility	EOD	Entry on Duty Environmental Observation Division Estimated on Dock Explosive Ordnance Disposal
EMSS	Electromagnetic Servoactuator System	EODB	End of Data Block
EMT	Electromechanical Test	EOF	End of File
EMU	Engineering Model Unit Extended Memory Unit Extravehicular Mobility Unit	EOG	Electroculogram
EMU-TV	Extravehicular Mobility Unit— Television	EOGO	Eccentric Orbiting Geophysical Observatory
E-MUX	Electrical Multiplex	EOHT	External Oxygen and Hydrogen Tanks
		EOI	Earth Orbit Insertion
		EOIM	Evaluation of Oxygen Interaction With Materials
		EOL	End of Line

EOM	Earth Observation Mission End of Message End of Mission End of Month Engineering Operations Manual Equations of Motion	EPDB	Electrical Power Data Base Electrical Power Distribution Box Experiment Power Distribution Box
EOMF	End of Minor Frame	EPDC	Electrical Power Distribution and Control
EOO	Equal Opportunity Office	EPDCS	Electrical Power Distribution and Control System (Subsystem)
EOP	Earth and Ocean Physics Emergency Oxygen Pack Experiments of Opportunity	EPDM	Ethylene Propylene Diene Monomer
EOPAP	Earth and Ocean Physics Application Program	EPDS	Electrical Power and Distribution Subsystem Electrical Power Distribution System Experiment Power and Data System
EOR	Earth Orbit Rendezvous	EPE	Energetic Particle Explorer
EOS	Earth Observation Satellite Earth Observing System Earth Orbit Shuttle Emergency Oxygen Supply Emergency Oxygen System Extended Operating System	EPG	Electrical Power Generator
EOT	End of Tape End of Transmission	EPL	Electrical Power Level Electronic, Electrical, and Electro-mechanical Parts List Emergency Power Level
EOW	Energy Over Weight	EPMS	Engineering Performance Management System
EP	Elbow Pitch Electrical Power Environmental Protective Plan	EPO	Element Project Office
EPA	Environmental Protection Agency	EPOC	External Payload Operations Center
EPAR	External Tank Project Assessment Review	EPPS	Electrical Power/Pyro Sequential System
EPC	Error Protection Code External Power Contractor	EPR	Engine Pressure Ratio
EPCDC	Electrical Power Conditioning, Distribution, and Control	EPRIB	Emergency Position Indicating Radio Beacon
EPD	Electrical Power Distribution Emergency Procedures Document	EPRN	Emergency Program Release Notice
		EPROM	Erasable Programmable Read Only Memory
		EPS	Electrical Power System (Subsystem) Evaluation Planning System Experimental Power Supply
		EPSP	Experiment Power Switching Panel
		EPT	Emergency Procedure Trainer Ethylene Propylene Terpolymer
		EPTU	Events Per Time Unit

EPWG	Environmental Projects Working Group	ERR CNTR	Error Counter
EQ	Equivalent	ERRC	Expendability/Recoverability/Repair Capability
EQE	Event Queue Element	ERS	Earth Recovery Subsystem
EQL	Equal		Engineering Release System
EQUIP	Equipment		Entry and Recovery Simulation
EQUIV	Equivalent	ERS-1	Earth Remote Sensing Satellite-1
ER	Explanation Report	ERSI	Elastomeric Reusable Surface Insulation
ERA	Electrical Replaceable Assembly Exabiology and Radiation Assembly	ERSIR	Earth Resources Shuttle Imaging Radar
ERAP	Earth Resources Aircraft Program	EROS	Earth Resources Observation System
ERB	Engineering Review Board	ERTS	Earth Resources Technology Satellite
ERBE	Earth Radiation Budget Experiment	ERU	Earth Rate Unit
ERBE-NS	ERBE Nonscanner	ERV	Expiratory Reserve Volume
ERBE-S	ERBE Scanner	ES	Electrical System
ERBS	Earth Radiation Budget Satellite		Equipment Section
ERC	Event Recorder		Equipment Shelf
ERCA	Electrochemically Regenerable CO ₂ Absorber		Escape System
ERD	Experiment Requirements Document		Experiment Segment
EREP	Earth Resources Package	ESA	Engineering Supply Area
ERG	Ergometer		Engineering Support Assembly
ERIP	Experiment Requirement and Implementation Plan		European Space Agency
ERL	Environmental Research Laboratory		Explosive Safe Area
ERNO	'Entwicklungs Ring Nord' Organiza- tion, Space Division of European Consortium, VFW-Fokker- Mannheim, Germany (Spacelab Contractor)	ESB	Essential Switching Box
ERO	Engineering Release Operations	ESC	Engine Start Command
EROS	Earth Resources Observation System		Engineering Support Center
ERP	Effected Radiative Power Effective Radiation Power Eye Reference Point	ESCA	Escape
ERPM	Engineering Requirements and Procedures Manual		Electron Spectroscopy for Chemical Analysis
ERR	Error	ESCU	Extended Service and Cooling Umbilical
		ESD	Electrostatic Discharge Emergency Shutdown Experiment Systems Division
		ESDAC	European Space Data Center (Darmstadt, Germany)

ESDU	Event Storage and Distribution Unit	ESTA	Electronic System Test Equipment
ESE	Electrical Support Equipment		Escape System Test Article
	Electronic Support Equipment	ESTEC	European Space Research and Technology Center
	EVA Support Equipment		European Space Technology Center
ESF	Explosive Safe Facility	ESTL	Electronic Systems Test Laboratory
ESI	Electrical System Integration	ESV	Emergency Shutoff Valve
ESMC	Eastern Space and Missile Center (formerly AFETR), also ETR	ESVS	Escape Suit Ventilation System
ESME	Eastern Space and Missile Center		Escape System Ventilation System
ESMR	Electrically Scanned Microwave Radiometer	ESW	Engine Status Word
ESO	European Southern Observatory	ET	Edge Thickness
	Event Sequence Override		Elapsed Time
ESOC	European Space Operations Center		Elevated Temperature
ESOW	Engineering Statement of Work		Event Timer
ESP	Electroshock Protection		External Tank
	Employee Suggestion Program	ET-SEP	External Tank Separation
	Engine Service Platforms	ETA	Environmental Test Article
	Experiment Sensing Platform		Estimated Time of Arrival
ESPS	Experiment Segment Pallet Simulator		Estimated Time to Acquisition
ESR	Effective Sunrise		Explosive Transfer Assembly
	Engineering Support Request	ETB	External Tank Attachment
ESRIN	European Space Research Institute	ETC	Equipment Transfer Bag
ESRO	European Space Research Organization		Earth Terrain Camera
ESS	Effective Sunset		Estimate to Completion
	Electroexplosive Device	ETCA	Greenbelt, Maryland (STDN Site)
	Environmental Support System	ETCO	ET Intertank Carrier Plate Assembly
	Equipment Support Section	ETD	Equipment Transfer/Change Order
	Essential		Electrical Terminal Distributor
	Experiment Subsystem Simulator		Estimated Turnover Date
ESSA	Environmental Sciences Services Administration	ETE	External Tank Door
EST	Eastern Standard Time (e.s.t. preferred)	ETED	End-to-End
	Estimate(d)	ETEDB	External Thermal Environment Data
			External Thermal Environment Data Base
		ETI	Elapsed Time Indicator
		ETLOW	External Tank Lift-Off Weight

ETM	Elapsed Time Meter Engineering Test Motor	EVCS	Extravehicular Communications System
ETP	Equipment Test Plan	EVCU	Extravehicular Communications Umbilical
ETR	Eastern Test Range (ESME preferred) Experiment Tape Recorder	EVD	External Visual Display
ETROD	Eastern Test Range Operations Directive	EVF	Equipment Visibility File
ETS	Electrical Test Set Energy Transfer System External Tank System (Subsystem)	EVLSS	Extravehicular Lift Support System
ETSS	External Tank Separation Subsystem	EVM	Earth Viewing Module
ETU	Engineering Test Unit	EVMU	Extravehicular Mobility Unit
ETVA	External Tank Vent Arm	EVO	Engineering Verification Order
EU	Electronic Unit Engineering Units Experimental Unit	EVS	Equipment Visibility System Extravehicular Suit
EURECA	European Retrievable Carrier	EVSC	Extravehicular Suit Communications
EUROCOMSAT	European Consortium Communications Satellite	EVSS	Extravehicular Space Suit
EUV	Extreme Ultraviolet	EVSU	Extravehicular Space Unit
EUVE	Extreme Ultraviolet Explorer Satellite	EVT	Engineering Verification Test Extravehicular Transfer
EV	Expendable Vehicles Extravehicular	EVVA	Extravehicular Visor Assembly
eV	Electron Volts	E/W	Energy Over Weight
EVA	Earned Value Analysis Extravehicular Activity	EWA	Estimated Warehouse Arrival
EVAL	Earth Viewing Applications Laboratory Evaluate, Evaluation	EWE	Emergency Window Escape
EVAP	Evaporator	EWO	Engineering Work Order
EVAS	Extravehicular Activity System	EWR	Engineering Work Request
EVATA	Extravehicular Activity Translational Aid	EX	Executive Management Office (KSC Directorate)
EVA WS	EVA Workstation	EXC	Experiment Computer
EVC	Extravehicular Communications	EXCH	Exchange
EVCON	Events Control (Subsystem)	EXEC	Execute
		EXH	Exhaust
		EXO	Experiment Operator (in Spacelab)
		EXP	Expand Experiment Exposure
		EXPEN	Expendable

EXT Experiment Terminal (Operator
Console on Spacelab)
Extension
External

EXTD Extend

EXTER External

EXTGH Extinguish

F

F	Fahrenheit		
	Failure		
	Farad (SI Unit of Capacitance)		
	Female		
	Forward		
	Front		
F&E	Facility and Environment		
F&S	Fire and Smoke Detection		
F/A	Failure Analysis		
	Fuel-Air		
F/C	Fit Check		
	Flight Controller		
	Fuel Cells		
F/D	Fill/Drain		
F/E	Full/Empty		
F/F	Fill/Full, Full/Fill		
F/O	Fuel/Oxidizer Ratio		
F/R	Flared Rudder		
FA	Failure Analysis		
	Final Approach		
	Final Assembly		
	Flight Aft		
	Flight Critical Aft		
	Fully Automatic		
FA/COSI	Final Assembly and Closeout System Installation		
FAA	False Alarm Avoidance		
	Federal Aviation Administration		
FAB	Fabricate, Fabrication		
FAC	Facility		
FACI	First Article Configuration Inspection		
FACO	Fabrication and Acceptance Checkout		
	Factory Acceptance Checkout		
	Factory Assembly and Checkout		
	Final Assembly Checkout		
FACS	Facilities Control		
	Finance and Control System		
FACT	Flexible Automatic Circuit Tester		
FAD	Final Approach Display		
FAF	First Aerodynamic Flight		
FAGS	Federation for Astronomical and Geophysical Services		
FAIR	Fabrication, Assembly, and Inspection Record		
FAJ	Final Assembly Jig		
FAL	First Approach and Landing (Test)		
FAM	Familiarization		
FAMOS	Flight Acceleration Monitor Only System		
FAO	Flight Activities Officer		
FAP	Final Approach Plane		
FAR	Failure Analysis Report		
	Federal Aviation Regulation		
	Final Acceptance Review		
	Flight Acceptance Review		
FAR-UV	Far Ultraviolet Camera		
FARC	Federal Archives and Records Center		
FASCOS	FLight Acceleration Safety Cutoff System		
FAT	Flight Attitude Table		
FAUST	Far Ultraviolet Space Telescope		
FAWG	Flight Assignment Working Group		
FAX	Facsimile Transmission		
FB	Feedback		
	Final Braking		
FBAS	Fixed Base Aft Station		
FBC	Fluidized-Bed Combustion		
FBCS	Fixed Base Crew Station (SMS)		
FBS	File Backup System		
	Firefighters Breathing System		
	Flare Buildup Study		

FBV	Field Base Visit Fuel Bleed Valve	FCIP	Flight Cargo Implementation Plan
FC	Fit Check Flight Computer Flight Control Flight Critical Fuel Cell Furnace Container	FCL	Freon Coolant Line Freon Coolant Loop
FCA	Flight Configuration Audit Fluids Control Assembly Frequency Control Analysis Functional Compatibility Analysis Functional Configuration Audit	FCMU	Foot Controlled Maneuvering Unit
FCAF	Flight Crew Accommodations Facility	FCN	Function
FCAP	Flight Control Applications Program	FCO	Final Checkout Functional Checkout
FCC	Federal Communications Commission Flat Conductor Cable Flight Control Computer Flight Crew Compartment	FCOH	Flight Controllers Operational Handbook
FCCP	Firm Contract Cost Proposal	FCOS	Flight Computer Operating System (Orbiter) Flight Control Operating System Flight Control Operational Software
FCD	Flight Control Division (JSC) Function Control Document	FCP	Failure Correction Panel Firm Cost Proposal Flight Correction Proposal Fuel Cell Power (Plant)
FCDB	Flight Control Data Bus	FCPS	Fuel Cell Power System (Subsystem)
FCDC	Flexible Confined Detonating Cord	FCR	Final Configuration Review Flight Configuration Review Flight Control Room
FCE	Flight Control Equipment Flight Crew Equipment	FCRA	Fecal Collection Receptable Assembly
FCEF	Flight Crew Equipment Facility	FCRT	Flight Display CRT
FCEI	Facility Contractor End Item	FCS	Fecal Containment System Federal Communications System Financial Control System Flight Control System (Subsystem) Flight Crew System
FCF	First Captive Flight Flight Critical Forward Functional Check Flight	FCSM	Flight Combustion Stability Monitor
FCFM	Flight Combustion Facility Monitor	FCSS	Fuel Cell Servicing System
FCH	Flight Controllers Handbook	FCT	Flight Control Team Flight Crew Trainer Fuel Cell Test
FCHL	Flight Control Hydraulics Laboratory	FCTB	Flight Crew Training Building
FCI	Flight Control Indicator Functional Configuration Identification	FCTF	Fuel Cell Test Facility
FCIM	Flight Control Interface Module	FCTS	Flight Crew Trainer Simulator
		FCU	Fluid Checkout Unit

FCW	Format Control Words	FDR	Final Design Review
FD	Fault Detection		Flight Data Recorder
	Feed		Functional Design Review
	Flight Day	FDRD	Flight Definition and Requirements Document
	Flight Deck	FDRI	Flight Director Rate Indicator
	Flight Director	FDS	Fire Detection and Suppression
	Freeze Dried		Flight Design and Scheduling
	Function Designator		Flight Design System
FD WMR	Food Warmer		Flight Dynamics Simulator
FDA	Fault Detection and Annunciation		Flight Dynamics Software/System
	Flight Deck Assembly (FDF)		Fluid Distribution System
FDAI	Flight Director Attitude Indicator		Functional Design Specifications
FDB	Fahrenheit Dry Bulb	FDSC	Flight Dynamics Simulation Complex
FDD	Flight Definition Document		Flight Dynamics Situation Complex
FDDB	Function Designator Data Base	FDU	Fluid Distribution Unit
FDE	Fluid Dynamics Experiment	FDX	Full Duplex
FDF	Flight Data File	FEA	Failure Effects Analysis
	Flight Dynamics Facility		Fluids Experiment Apparatus
FDI	Failure Detector Indicator	FEAT	Final Engineering Acceptance Test
	Fault Detection and Identification	FEB	Forward Equipment Bay
	Fault Detection and Isolation	FEC	Field Engineering Change
FDIIR	Fault Detection, Isolation, Identification, and Recompensation		Forward Events Controller
FDIR	Fault Detection Identification/Isolation and Recovery/Recognition	FED	Flight Events Demonstration
FDL	Flight Director Loop	FEDP	Facility and Equipment Design Plan
FDLN	Feedline	FEE	Flight Support System
FDM	Flight Data Manager	FEGLI	Federal Employees Group Life Insurance
	Frequency Data Multiplexer	FEID	Flight Equipment Interface Device
	Frequency Division Multiplexing		Functional Engineering Interface Device
FDMA	Full Diameter Motorized Door Assembly	FEM	Finite Element Method
FDO	Fee Determination Official	FEMCPL	Facilities and Envir. Measurement Comp. Parts List
	Flight Dynamics Officer		
FDOR	Flight Design Operations Review		

FEP	Flight Evaluation Plan Fluoro Ethel Propane Fluorinated Ethylene Propylene Front End Processor	FHS	Forward Heat Shield
FERD	Facility and Equipment Requirements Document	FHST	Fixed-Head Star Tracker
FERS	Federal Employees Retirement System	FI	Fault Identification Flight Instrumentation Formal Inspection
FES	Flash Evaporator System Flight Element Set Fluid Experiment System	FIAR	Failure Investigation Action Report
FES/VCGS	Fluid Experiment System/Vapor Crystal Growth System	FID	Failure Identification Flight Implementation Directive
FESL	Failure Effects Summary List	FIDO	Flight Dynamics Officer
FET	Field Effect Transistor Flight Elapsed Time	FIE	Flight Instrumentation Engineer
FEWG	Flight Evaluation Working Group	FIFO	First In—First Out (High Speed Data Buffers)
FF	Flight Forward Flip Flop Free Flight	FIG	Figure
FFBD	Functional Flow Block Diagram	FIIG	Federal Item Identification Guide
FFC	Final Flight Certification	FIL	Filament
FFD	Fixed Format Display Functional Flow Diagram	FILE	Feature Identification and Location Experiment
FFM	Free-Flying (Experiment) Module	FIO	Furnished and Installed by Others
FFP	Firm Fixed Price	FIPS	Federal Information Processing Standards
FFTO	Free-Flying Teleoperator	FIR	Fuel Indicating Reading
FGE	Fine Guidance Electronics	FIRST	Far-Infrared Space Telescope
FGS	Fine Guidance Sensors Fine Guidance System	FIS	Facility Interface Sheets
FGSE	Fine Guidance System Electronics	FIT	Fault Isolation Test First Computer Interface Tester
FH	Flex Hose	FITH	Fire-in-the-Hole
FHC	Flight Half Coupling	FIV	Fuel Isolation Valve
FHD	Fixed Head Disk	FKB	Flight Display Keyboard
FHF	First Horizontal Flight	FKF	Flight Kits Facility
FHO	Failed Handover	FL	Fail Feed Lines Flowline
FHP	Fuel High Pressure	FL MECH	Fluid Mechanical
		FLAP	Flight Application Software
		FLC	Federal Library Committee Forward Load Control
		FLCA	Forward Load Control Assembly

FLD	Field	FMCF	First Manned Captive Flight
FLEX	Flexible	FMDM	Flex Multiplexer/Demultiplexer
FLEXBEAM		FMEA	Failure Modes and Effects Analysis
	USAFA's Flexible Beam Experiment	FMEA/CIL	Failure Mode Effects Analysis/ Critical Items List
FLG	Flag	FMEC	Forward Master Events Controller
	Flange	FMECA	Failure Mode, Effects, and Criticality Analysis
FLLK	Frustum Lifting Lug Kit	FMFIA	Federal Manager's Financial Integrity Act
FLN	Fuel Line	FMK	Field Modification Kit
FLOT	Flotation	FML	Fault Message Line Final Materials List
FLP	Flap	FMO	Financial Management Office Flight Medical Officer
FLPS	Flight Load Preparation System	FMOF	First Manned Orbital Flight
FLR	Failure	FMOFEV	First Manned Orbital Flight With EVA
	Flare	FMOFPL	First Manned Orbital Flight With Payload
FLS	Flight Surgeon	FMR	Field Modification Request Function Max Rate
FLSC	Flexible Linear Shaped Charge	FMS	Fluid Management System Food Management System (Subsystem)
FLT	Flight	FMSP	Frequency Modulation Signal Processor
	Floating	FMT	Flight Management Team Format
FLT/HDWE		FMX	FM Transmitter
	Flight Hardware	FND	Facility Need Date
FLTR	Filter	FNL	Final
FLTSATCOM		FNT	Failure Notification Telex
	Fleet Satellite Communications	FO	Fail Operational Fiber Optics Functional Objectives
FLUOR	Fluorescent	FO/FS	Fail-Operational/Fail-Safe
FLW	Fellows (TACAN Station)		
FM	Failure Mechanics		
	Flight Model		
	Frequency Modulation (Modulated)		
	Furnace Module		
FM/FM	Frequency Modulation/Frequency Multiplexing		
FM/PM	Frequency Modulation/Phase Modulation		
FMA	Failure Mode Analysis		
FMAHTS	Flight Manifest and Hardware Tracking System		
FMANTS	Flight Manifest		
FMC	Food Machinery Corporation		

FOB	Flight Operations Building Free on Board		Freezing Point Fuel Pressure
FOC	Faint Object Camera (on HST) Focus Full Operational Capability		Function Path Fuse Plug
FOD	Flight Operations Directorate (JSC)	FPA	Focal Plane Assembly
FOE	Flight Operations Engineer	FPB	Fuel Preburner (Space Shuttle Main Engine)
FOF	First Operational Flight First Orbital Flight Flight Operations Facilities	FPBOV	Fuel Preburner and Oxidizer Valve
FOIH	Flight Operations Integration Handbook	FPC	Fluids Pressure Control Forward Power Controller
FOMMS	Flight Operations Maintenance Management System	FPCA	Forward Power Control Assembly
FOMR	Flight Operations Management Room	FPE	Functional Program Element
FOP	Flight Operations Panel Flight Operations Plan Follow on Production	FPEG	Fast Pulse Electron Gun
FOPG	Flight Operations Planning Group	FPHB	Flight Procedures Handbook
FOPP	Follow on Parts Production	FPI	Fabry-Perot Interferometer
FOPS	Flight Operations Planning Schedule	FPIF	Fixed Price Incentive Fee
FOR	Flight Operations Review Force	FPL	Full Power Level Full Power Load
FORTTRAN	Formula Translation	FPLC	Full Power Level Certification
FOS	Faint Object Spectrograph (on HST) Flight Operations Support	FPM	Feet Per Minute Folding Platform Mechanism
FOSDIC	Film Optical Sensing Device for Input to Computers	FPOV	Fuel Preburner Oxidizer Valve
FOSO	Flight Operations Scheduling Officer	FPOVA	Fuel Preburner Oxidizer Valve Actuator
FOSP	Flight Operations Support Personnel	FPP	Freon Pump Package
FOST	Flight Operations Support Team	FPPR	Fixed Price With Price Revision
FOT	Flight Operations Team	FPR	Flight Performance Reserve
FOV	Field of View (Vision) First Orbital Vehicle	FPS	Feet Per Second Flight Per Second
FP	Fine Pointing Fixed Point Flight Plan	FPU	Floating Point System Focal Plane Structure
		FPV	Forward Power Supply Frames Per Second
		FQ	Flight Qualification
		FQI	Flight Qualification Instrumentation

FQR	Flight Qualification Recorder Flight Qualification Review	FRUSA	Frequency Response Test Flexible Roll-Up Solar Array
FQT	Formal Qualification Test	FRZR	Freezer
FR	Firing Room Flight Rule Frame Functional Requirements	FS	Fail-Safe Fail to Sync Fault Summary Federal Specification Fire Suppression Flight System Freon Servicer Full Scale Functional Schematic Fuselage Station
FRAGNET	Fragmented Network	FSC	Federal Stock Classification
FRB	Failure Review Board	FSCM	Federal Supply Code for Manufacturers
FRC	Flight Research Center, California	FSCP	Fire Sensor Control Panel
FRCS	Forward Reaction Control System (Subsystem)	FSD	Flight Simulation Division (JSC) Full Scale Development
FRD	Flight Requirements Document	FSDVF	Flight Software Development and Verification Facility
FRDT	Facility Requirements Definition Team	FSE	Flight Simulation Engineer
FRE	Flight Related Element Format Request Element	FSF	First Static Firing
FREQ	Frequency	FSGS	Flare/Shallow Glide Slope
FREQ CONV	Frequency Converter	FSI	Final Systems Installation
FREQ DIV	Frequency Divider	FSIM	Functional Simulator
FRF	Flight Readiness Firing	FSIWG	Flight System Interface Working Group
FRFT	Flight Readiness Firing Test	FSK	Frequency Shift Keyed (Keying)
FRJD	Forward Reaction Jet Driver	FSL	Flight Simulation Laboratory Flight Systems Laboratory
FRL	Flame Retardant Latex Frame Reference Line Fuselage Reference Line	FSLO	First Spacelab Payload
FRM	Fluid Resupply Module	FSLT	First Sea Level Test
FRMT	Format	FSM	Fluid System Module Fuel Supply Module
FRP	Fuselage Reference Plane	FSMDB	Flight Support Maintenance Data Base
FRR	Flight Readiness Review		
FRRID	Flight Readiness Review Item Description Flight Readiness Review Item Disposition		
FRSI	Felt Reusable Surface Insulation		
FRT	Flight Readiness Test Flight Readiness Training		

FSMMS	Flight Support Maintenance Management System	FTC	Flight Test Conductor Florida Test Center (MDAC)
FSN	Federal Stock Number	FTE	Factory Test Equipment Flight Test Engineer
FSO	Functional Supplementary Objectives		Forced Test End Full-Time Equivalent
FSOH	Flight Support Operations Handbook	FTIR	Fourier Transfer Infrared Spectrophotometer
FSP	Fault Summary Page	FTIS	Flight Test Instrumentation System
FSR	Final System Release Flight Specific Requirements	FTM	Furnace Translation Mechanism
FSRR	Flight Software Readiness Review Flight System Readiness Review	FTMD	Flight Torque Measurement Demonstration
FSRS	Flight System Recording System	FTMS	Fluid Transfer Management System
FSS	Field Spectrometer System Fire Suppression System Fixed Service Structure Flight Support Station (for MMU) Flight Support Structure Flight Support System Flight Systems Simulator	FTO	Flight Test Objective Functional Test Objectives
FSSA	Fine Sun Sensor Assembly	FTOH	Flight Team Operations Handbook Flight Test Operations Handbook
FSSR	Flight Systems Software Requirements Functional Subsystem Software Requirements	FTP	Flight Test Procedure Full Throttle Position Functional Test Progress Functional Test Program
FSSTE	Factory Special Test Equipment	FTR	Flight Test Requirement Functional Test Requirement
FSU	Freon Servicing Unit	FTRD	Flight Test Requirements Document Functional Test Requirements Document
FSW	Flight Software	FTS	Federal Telecommunications System Flight Telerobotic Servicer Flight Test Station Flight Test System Functional Test Specifications
FT	Flight Team Flight Test Formal Training Functional Test	FTT	Fischer-Tropsch Type (Synthesis)
ft	Feet	FU	Flight Unit Fuel
FT&SC	Formal Training and Certification	FUB	Forward Utility Bridge
ft³/min	Cubic Foot Per Minute	FUD	First Use Date
ft/s	Feet Per Second	FUNC	Function
FTA	Fatigue Test Article Fault Tree Analysis Flight Test Article		

FUNCT Functional
FUO Follow-Up Output
FURB Facilities Utilization Review Board
FUS Fuselage
FUS/LF Fuselage, Lower Forward
FUS/UF Fuselage, Upper Forward
FUSE Far Ultraviolet Spectroscopy Explorer
FUSLG Fuselage
FV Flight Vehicle
 Flight Version
 Front View
FVF First Vertical Flight
FVMS Fluid Volume Measurement System
FVP Flight Verification Payload
FVV Facility Verification Vehicle
FW Flag Word
 Fuel Wasting
FWB Fahrenheit Wet Bulb
FWC Filament Wound Case
FWD Forward
FWD HT SHLD
 Forward Heat Shield
FWG Facility Working Group
FWHM Full Width at Half Maximum
FWSI Fairchild-Weston Systems, Inc.
FWW Food, Water, and Waste
FWWM Food, Water, and Waste Management
FWWMS Food, Water, and Waste Management
 System (Subsystem)
FXD Fixed
FY Fiscal Year

G

G	Giga (Billion)	GACU	Ground Air Conditioning Unit
	Gravity		Ground Avionics Cooling Unit
	Gravitational Constant	GAIN	Graphic Aids for Investigating Networks
	Units of Gravitational Force	GAM	Gamma
g	Gram	GAO	General Accounting Office
G&A	General and Administrative	GAP	GOAL Automatic Procedure
G&C	Guidance and Control	GAPL	Group Assembly Parts List
G&N	Guidance and Navigation	GAS	Get Away Special
G&NS	Guidance and Navigation Subsystem	GASPI	Guidance Attitude Space Position Indicator
G-A	Ground-to-Air	GATE	Get Away Tether Experiment
G-G	Ground-to-Ground	GATP	Ground Acceptance/Article Test Procedure
G-II	Gulfstream II (Shuttle Training Aircraft)	GATT	Gate Assisted Turnoff Thyristor
G-GPRF	Gradient General Purpose Rocket Furnace	GB	Gigabit
G-MEM	General Memory	GBA	Gas Bridge Assembly
	GPC-Memory	GBDLS	Ground-Based Doppler Lidar System
G-V	Gravity-Velocity	GBI	Grand Bahama Island
G/A	Ground-to-Air	GBL	Government Bill of Lading
G/E	Graphite Epoxy	GBR	Glass Bead Rating
G/G	Ground-to-Ground	GBS	Gas Bridge System
G/T	Antenna Gain-to-Noise Temperature Ratio		Ground Based Software
	Gradient-to-Cooling Ratio	GBT	Ground-Based Test
GA	Gauge	GC	Gigacycles (1,000 Megacycles)
	General Assembly		Ground Control
	Glide Angle		Guidance Control
	Gyro Assembly		Gyrocompassing
GA&CS	Ground Acquisition and Command Station	GCA	Ground Controlled Approach
GaAs	Gallium Arsenide (Crystals)	GCC	Ground Communications Coordinator
GAB	Gas Adapter Beam		Ground Control Center
GAC	Ground Attitude Control	GCCC	Ground Control Computer Center
	Grumman Aerospace Corporation	GCCO	Ground Control Checkout
		GCD	Gyro-Compass, Desired Cluster Orientation
		GCDC	Ground Checkout Display and Control

GCDCS	Ground Checkout Display and Control System		Gyro Display Coupler
GCE	Ground Checkout Equipment	GDFA	Gas Jet Diffusion Flame Apparatus
GCEL	Ground Control Experiment Laboratory	GDMS	Ground Data Management System
GCF	Ground Communications Facility	GDO	Guidance Officer
GCHX	Ground Cooling Heat Exchanger	GDP	Generalized Documentation Processor
GCI	Ground Controlled Interception	GDS	GNC Dynamic Simulator
GCIL	Ground Control Interface Logic		Goldstone, CA (STDN Site, 1st antenna)
GCILC	Ground Command Interface Logic Controller	GDSD	Ground Data Systems Division
GCILU	Ground Control Interface Logic Unit	GDSM	Ground Data Systems Manager
GCL	Ground Control Landing	GDSO	Ground Data Systems Officer
	Ground Coolant Loop	GDSSR	GDSD Staff Support Room
GCN	Ground Communications Network (A/G Worldwide Net)	GDX	Goldstone, CA (STDN Site, 2nd Antenna)
	Ground Control Network	GE	General Electric
GCO	Ground Checkout	GECALL	GCOS Program Element Name
GCOS	General Computer Operational System	GEDAC	General Electric Detection and Automatic Correction
	Ground Computer Operating System	GEM	General Electronics Module
GCR	Galactic Cosmic Ray	GEN	Generate, Generator
	Ground Controlled Radar	GENOPAUSE	
GCS	Ground Communications System		Geodetic Satellite in Polar Geosynchronous Orbit
	Guidance Cutoff Signal	GEO	Geostationary Earth Orbit
GCTS	Gas Component Test Stand		Geosynchronous Earth Orbit
	Ground Communication(s) Tracking System	GEOD	Geodetic
GCU	General Control Unit	GEODSS	Ground-based Electro-optical Deep-Space Surveillance System
	Generator Control Unit	GEOS-2	Geodetic Earth-Orbiting Satellite 2
	Ground Cooling Unit	GEOSAR	Geosynchronous Earth Orbit Synthetic Aperture Radar
	Gyro Coupling Unit	GEOSEPS	General Summary Edit Program
	Gyro Display Coupler		Geosynchronous Solar Electric Propulsion Stage
GCV	Gaseous Oxygen Control Valve	GERT	Graphical Evaluation and Review Technique
GD	Guard	GES	Goddard Experiment Support System
GDA	Gimbal Drive Actuator/Assembly		
GDBS	Generalized Data Base System		
GDC	General Dynamics Convair		
	General Dynamics Corporation		

GESYOT	GCOS Program Element Name	GHCD	Growth Hormone Concentrations and Distribution
GET	Ground Elapsed Time	GHe	Gaseous Helium
GETI	Ground Elapsed Time of Ignition	GHF	Gradient Heating Facility
GETIL	Ground Elapsed Time of Landing (for TIG of Abort Burn)	GHRS	Goddard High Resolution Spectrograph
GETS	Ground Equipment Test Sets	GHX	Ground Heat Exchanger
GeV	Gigaelectron Volt	GHz	Gigahertz
GF	Gauge Factor	GIA	GPC Interface Adapter
GF&P	Gases, Fluids, and Propellants	GIDEP	Government-Industry Data Exchange Program
GFAE	Government Furnished Aerospace Equipment	GIE	Ground Instrumentation Equipment
	Government Furnished Aircraft Equipment	GIM	Generalized Information Management
GFD	Government Furnished Data	GIRD	Ground Integration Requirements Document
GFE	Government Furnished Equipment	GITG	Ground Interface Technical Group
GFFC	Geophysical Fluid Flow Cell Experiment	GIWG	Ground Interface Working Group
GFGAS	Gradient Furnace for Get Away Special Canister	GKS	Graphical Kernel System
GFM	Government Furnished Material	GLAADS	Gun Low Altitude Air Defense System
GFP	Government Furnished Property	GLC	Generator Line Contractor
GFRP	Glass Fiber Reinforced Plastics	GLD	Glide Slope
	Graphite Fiber Reinforced Plastics	GLL	Galileo
GFS	Government Furnished Software	GLM	Gimbal Latch Mechanism
GFY	Government Fiscal Year	GLOMR	Global Low Orbiting Message Relay
GG	Gas Generator	GLOW	Gross Lift-Off Weight
	Gravity Gradient		Ground Lift-Off Weight
GGEM	Gravity Gradiometer Explorer Mission	GLP	Goal Language Processor
GGS	Global Geosynchronous Science	GLRSHLD	Glare Shield
GGSTIDE	Global Geosynchronous Science Thermal Ions Dynamics Experiment	GLS	Ground Launch Sequence (Sequencer)
GGVM	Gas Generator Valve Module	GLY	Glycol
GH₂	Gaseous Hydrogen		Water-Glycol Mixture
GHA	General Housekeeping Area	GM	Gaseous Mixture
	Greenwich Hour Angle		Geometric Mean
GHC	Ground Half Coupling	GMAL	General Electric Macro Assembly Language
		GMBL	Gimbal
		GMCL	Ground Measurements Command List

GMIL	Spaceflight Tracking and Data Network (STDN) Station (KSC)		Geosynchronous Operational Environmental Satellite
GML	General Measurement Loop	GOFS	Global Ocean Flux Study
GMM	Geometric Math Model	GOM	KSC Ground Operations Manager at DFRC or WSMR
GMMC	Ground Master Measurements List	GOMMS	Ground Operations and Material Management System
GMMMU	Ground Mounted Manned Maneuvering Unit	GOMS	Ground Operations Management System
GMN	Gorman (TACAN Station)	GOP	Ground Operations Panel
GMT	Greenwich Mean Time (G.m.t. preferred)	GOPG	Ground Operations Planning Group
GN	Gain Ground Network	GOR	Ground Operations Review
GN₂	Gaseous Nitrogen	GORP	Ground Operations Requirements Plan Ground Operations Review Panel
GN&C	Guidance, Navigation, and Control	GORS	Ground Observer RF System
GNC	Guidance and Navigation Computer	GOSS	Ground Operations Support System
GNCFTS	GN&C Flight Test Station	GOWG	Ground Operations Working Group
GNCIS	GN&C Integration Simulator	GOX	Gaseous Oxygen (GO ₂)
GNCS	Guidance and Navigation Control System	GP	General Publication (KSC) General Purpose Group
GNCTS	GN&C Test Station	GP-B	Gravity Probe B
GND	Ground	GPA	General Purpose Amplifier GIDEP Problem Advisory
GND C/O	Ground Checkout	GPAS	General Purpose Airborne Simulator
GNP	Gross National Product	GPBIM	General Purpose Buffer Interface Module
GO	General Order	GPC	Gel Permeation Chromatograph General Purpose Computer
GO₂	Gaseous Oxygen	GPCB	GOAL Program Control Block
GOAL	Ground Operations Aerospace Language	GPD	Gimbal Position Display
GOC	Ground Operations Center Ground Operations Coordinator	GPF	Gas Processing Facility
GOCA	Ground Operations Control Area	GPH	Gallons Per Hour (gal/h preferred)
GOCO	Government Owned—Contractor Operated	GPI	Gimbal Position Indicator Ground Position Indicator
GOE	Ground Operating Equipment	GPL	General Purpose Laboratory Goal Processing Language
GOES	Geostationary Environmental Satellite System Geostationary Operational Environ- ment Satellite		

GPM	Gallons Per Minute (gal/min preferred)	GS	Gas Servicer
GPME	General Purpose Mission Equipment		General Schedule
GPPF	Gravitational Plant Physiology Facility		Glide Slope
GPRF	General Purpose Rocket Furnace		Ground Speed
GPRF-G	General Purpose Rocket Furnace- Gradient		Ground Station
GPRF-I	General Purpose Rocket Furnace- Isothermal	GSA	Gas Supply Assembly
GPRN	GOAL Test Procedure Release Notice		General Services Administration
GPS	Gallons Per Second (gal/s preferred)	GSAT	General Satellite (STS)
	General Processing Subsystem	GSC	Guide Star Catalog
	Global Positioning Satellite	GSCD	Ground Systems Control Document
	Global Positioning System	GSCU	Ground Service Cooling Unit
	Ground Power Supply	GSDL	Ground Software Development Laboratory
	Ground Processing Simulation	GSE	Ground Servicing Equipment
GPSA	Global Position Satellite		Ground Support Equipment
GPSS	General Purpose System Simulator	GSEL	Ground Support Equipment List
GPTE	General Purpose Test Equipment	GSFC	Goddard Space Flight Center (Greenbelt, MD)
GPU	Ground Power Unit		
GPUR	GOAL Test Procedure Update Request	GSI	Glide Slope Indicator
GPWS	General Purpose Work Station		Government Source Inspection
GR	Ground Rule	GSIU	Ground Standard Interface Unit
GRE	Gamma Ray Explorer	GSO	Ground Support Office
GRID	Graphic Retrieval and Information Display		Ground Support Operations
GRILLE	Grille Spectrometer		Ground Systems Operations
GRITS	Gamma-Ray Imaging Telescope Study	GSOC	German Science Operations Center
grms	Gravities Route Mean Square	GSP	Ground Support Personnel
GRN	Green		Ground Support Position
GRO	Gamma Ray Observatory	GSRP	Graduate Student Researchers Program
GRTLS	Glide Return to Landing Site	GSS	Ground Support Software
	Glide Return to Launch Site		Ground Support System
		GSSA	Ground Support Systems Activation
		GSSC	Ground Support Simulation Computer
			Ground Support Systems Contractor
		GSSI	Ground Support System Integration
		GSSS	Guide Star Selection System

GST	Ground System Test	GUL	GSE Utilization List
GSTAR	General Satellite (ELV)	GUSB	Guided Unified S-Band
GSTDN	Ground Space Flight Tracking and Data Network	GV	Gigavolt
	Ground Spacecraft Tracking and Data Network	GVA	GOX Vent Arm
GSTF	Ground Systems Test Flow	GVO	Gaviota (TACAN Station)
GSU	Gas Servicer Unit	GVT	Ground Vibration Test
GSVP	Ground Support Verification Plan	GVTA	Ground Vibration Test Article
GT	Greater Than	GW	Gross Weight
	Ground Team	GWA	General Work Area
	Ground Test	GWM	Guam (STDN)
	Gyro Torque	GWT	Ground Winds Tower
GT&A	Ground Test and Acceptance	GYM	Guaymas, Mexico (Remote Site)
GTA	Gas Tungsten Arc	GYRO	Gyroscope
	Ground Test Access	GYROA	Gyro A
	Ground Test Article	GYROCOMP	Gyrocompassing
	Ground Torquing Assembly		
GTC	Glycol Trim Console		
	Ground Test Conductor		
GTCU	Ground Thermal Conditioning Unit		
GTE	General Telephone and Electronics		
GTI	Grand Turk Island		
	Ground Test Instrumentation		
GTM	Ground Team Manager		
	Ground Test Motor		
GTO	Geosynchronous Transfer Orbit		
GTS	General Test Support		
	GN&C Test Station		
	GNS Test Station		
GTU	Glycol Trim Unit		
	Ground Test Unit		
GTV	Ground Test Verification		
GUCA	Ground Umbilical Carrier Assembly		
GUCP	Ground Umbilical Carrier Plate		
GUID	Guidance		
GUIDO	Guidance Officer		

H

H	Altitude	HACBSS	Homestead and Community Broadcasting Satellite Service
H	Hazardous (Task Classification)	HAD	Heat Actuated Device
	Head	HAFB	Holloman Air Force Base
	Henry (SI Unit)	HAK	Horizontal Access Kit
	High	HAL	High Order Articulated Language High Order Assembly Language High Temperature Acoustic Levitator Houston Aerospace Language
	Horizontal	HAL/S	High Order Assembly Language for Shuttle Flight Computer High Order Assembly Language/ Shuttle High Order Programming Language for Spacelab Usage
	Hot	HALEX	Halogen Lamp Experiment
h	Hours	HALOE	Halogen Occultation Experiment
Ḣ	Altitude Rate	HAM	Height Adjustment Maneuver
(H)	Hazardous (Task Classification)	HAO	High Altitude Observatory
H2	Hawaii	HAP	Hardware Allocation Panel
H₂	Hydrogen	HAPI	High Altitude Plasma Instrument
H₂O	Water	HARP	Hyperbolic Analyzer Retarding Potential
H-CITE	Horizontal-Cargo Integration Test Equipment	HAS	Holddown Alignment Support Hydraulic Actuation System Hydrogen Actuation System
H/E	Heat Exchanger	HAST	High Altitude Supersonic Target
H/L	Hardline	HAW	Hawaii (STDN)
H/O	Handover	HB	Handbook High Bay
H/S	Heat Shield	HBR	High Bit Rate
H/S IR	Hardware/Software Integration Review	HBT	Heflex Bioengineering Test
H/T	Heat Treat	HBW	Hot Bridge Wire
H/W	Hardware	HC	Hand Controller Head Count Hybrid Computer
HA	Apogee Altitude Hazard Analysis High Altitude	HCED	Hand Controller Engage Driver
HAA	High Altitude Abort		
HAB	Habitation		
HABT	Habitability Technology		
HAC	Heading Alignment Center Heading Alignment Circle Heading Alignment Cone Heading Alignment Cylinder		

HCF	High Cycle Fatigue HIM Configuration File	HE	Heat Exchange (Exchanger) High Energy Astrophysics
HCL	Horizontal Centerline	He	Helium
HCM	Hard Copy Module	HEAO	High Energy Astronomy Observatory
HCCM	Heat Capacity Mapping Mission	HEAP	High Energy Aim Point
HCR	High Cross Range	HECV	Helium Check Valve (HeCV preferred)
HCS	Hardware Certification Sheet	HEE	Hydrogen Environmental Embrittle- ment
HCSI	Hughes Communications Services, Inc.	HEG	Helium Gauge (HeG preferred)
HCSL	Hybrid Computation and Simulation Laboratory	HEGV	Helium Gauge Valve (HeGV preferred)
HCU	Hydraulic Charging Unit	HEM	Hitchhike Experiment Module
HCV	Hydrogen Check Valve	HEMI	Hemispherical (S-Band Antenna)
HD	Heavy Duty Highly Desirable Holddown Horizontal Drain Hydrogen Drain	HEMV	Helium Manual Valve (HeMV preferred)
HDA	Housekeeping Data Acquisition	HEO	High Energy Orbit
HDC	Hasselblad Data Camera Hybrid Device Controller	HEPA	High Efficiency Particle Accumulator High Efficiency Particle Air (Filter)
HDDR	High-Density Digital Recorder	HER	HIM Equipment Rack
HDG	Heading	HERSCP	Hazardous Exposure Reduction and Safety Criteria Plan
HDOS	Hughes-Danbury Optical Systems, Inc.	HESS	High Energy Squib Simulator
HDP	Holddown Post	HETGS	High Energy Transmission Grating Spectrometer
HDPF	Holographic Data Processing Facility	HETM	Hybrid Engineering Test Model
HDQ	Headquarters	HEX	Heat Exchanger Hexadecimal Hexagon
HDR	High Data Rate	HEXTE	High Energy X-Ray Timing Experiment
HDRA	High Data Rate Assembly	HF	Hard Failure High Frequency Horizontal Flight Hot Firing Hydrogen Fill Hyperfiltration
HDRM	High Data Rate Multiplexer	HFA	High Frequency Accelerometer
HDRR	High Data Rate Recorder		
HDRS	High Data Rate System		
HDRSS	High Data Rate Storage System		
HDS	Hardware Description Sheet		
HDST	Headset		
HDW	Hardware		
HDWE	Hardware		

HFC	Heat Flow and Convection Hydraulic Flight Control	HIC	Hickam Air Force Base, Hawaii (Deorb OPT site)
HFCT	Hydraulic Flight Control Test	HID	Hardware Interface Device
HFCV	Helium Flow Control Valve		HIM Interface Distributor
HFDS	Hydrogen Fluid Distribution System	HIM	Hardware Interface Module
HFE	High Frequency Executive	HIMSS	High Resolution Microwave Spectrometer Sounder
HFM	Hollow Fiber Membrane	HIP	Hardware Interface Program
HFMU	High Fidelity Mockup	HIPC	High Chamber Pressure
HFO	High Frequency Oscillator	HIPO	Heirarchical Input/Process Output Hierarchy Plus Input/Process/Output
HFS	Horizontal Flight Simulator	HISAM	Hardware Initiated Stand Alone Memory
HFT	Horizontal Flight Test	HIST	History
HFTF	Horizontal Flight Test Facility	HITS	High Rate Multiplexer Input/Output Test System
HFTS	Horizontal Flight Test Simulator	HIU	Headset Interface Unit
HFX	High Frequency Transceiver	HIV	Helium Isolation Valve
HG	High Gain Hitchhiker Goddard Mission	HK	Housekeeping
Hg	Mercury	HL	Hardline Heel Line High Level Hinge Line Hydrogen Line
HGA	High Gain Antenna		
HGAS	High Gain Antenna System	HLAL	High Level Assembler Language
HGDS	Hazardous Gas Detection System High Gradient Directional Solidification	HLD	Hold
HGF	Hot Gas Facility	HLDS	Hydrogen Leak Detection System
HGM	Hot Gas Manifold	HLLV	Heavy Lift Launch Vehicle
HGR	Hangar	HLMT	Helmet
HGR&SPTFAC	Hangar and Support Facility	HLTL	High Level Test Language
HGS	Hydrogen Gas Saver	HM	Hinge Mount
HGV	Hydrogen Gas Valve	HMA	Hypergol Maintenance Area
HGVT	Horizontal Ground Vibration Test	HMC	Hybrid Microcircuit Hypergolic Maintenance and Checkout
HH	Herbig-Haro (Object)		
HH-M	Hitchhiker-MSFC	HMCC	Hypergolic Maintenance and Checkout Cell
HHC	Hammer Head Crane	HMCF	Hypergolic Maintenance and Checkout Facility
HHMU	Hand Held Maneuvering Unit		
HI	Hercules Incorporated Hi Load Flash Evaporator High Honeywell, Inc.		

HMD	Helmet-Mounted Display	HPPF	Horizontal Payloads Processing Facility
HMF	Horizontal Mating Facility	HPR	Hydrogen Pressure Regulator
	Hypergol Maintenance Facility	HPRA	Heat Pipe Radiator Assembly
HMP	Hydrozene Monopropellant (RCS Propellant)	HPRV	Hydrogen Pressure Relief Valve
HMS	History Memory System	HPS	Hydraulic Power System
HMU	Hardware Mockup	HPSRM	High Performance Solid Rocket Motor
HMV	Hydrogen Manual Valve	HPT	High Pressure Test
HMX	Cyclotetramethylene Tetranitramine	HPU	Hydraulic Power Unit
HNC	Heavy Nuclei Collector	HPV	Helium Precharge Valve
HNDLER	Handler		High Pressure Valve
HNGR	Hangar	HQ	Headquarters (HDQ Preferred))
HNS	Hexanitrostilbene	HQR	Handling Qualities Rating (Cooper-Harper)
HO	Hydrogen-Oxygen	HR	Historical Record
HOL	High Order Language		Hydrogen Relief
HOLC	High Order Language Computer	hr	Hour (h Preferred)
HORIZ	Horizon, Horizontal	HR&T	Heat Resolution and Transport
HOS	High Order Software	HRAP	High Resolution Accelerometer Package
HOSC	Huntsville Operations Support Center	HRAA	High Rate Acquisition Assembly
HP	Handling Procedure	HRC	Hasselblad Reflex Camera
	Hewlett Packard		High Resolution Camera
	High Presssure	HRD	High Rate Dosimeter
	Hydrogen Purge	HRDA	High Rate Data Assembly
	Perigee Altitude	HRDI	High Resolution Doppler Image
HPCG	Hand-Held Protein Crystal Growth	HRDM	High Rate Demultiplexer
HPF	Horizontal Processing Facility (O&C)	HRDR	High Rate Digital Recorder
HPFD	High Pressure Fuel Duct	HRDS	High Rate Data Station
HPFTP	High Pressure Fuel Turbopump	HRIA	High Resolution Imager Assembly
HPG	High Pressure Gas	HRIR	High Resolution Infrared Radiometer
HPGS	High Pressure Gas System	HRIS	High Resolution Imaging Spectrometer
HPI	High Performance Insulation	HRL	Horizontal Reference Line
HPICS	Heat Pipe Instrument Control System	HRM	High Rate Multiplexer
HPM	High Performance Motor		High Ratio Multiplier
HPOP	High Pressure Oxidizer Pump	HRMA	High Resolution Mirror Assembly
HPOT	High Pressure Oxidizer Turbopump		
HPOTP	High Pressure Oxidizer Turbopump		

HRMMR	High Resolution Multifrequency Microwave Radiometer	HSP	Health Stabilization Program High Speed Photometer
HROS	High Resolution Objective Spectrometer		High Speed Printer
HRPS	Hazard Reduction Precedence Sequence	HSR	Hardware Status Register High Speed Reader
HRPT	High Resolution Picture Transmission	HSS	High Stress Strain Hydraulic Subsystem Simulator
HRS	High Resolution Spectrograph Hours	HST	Hubble Space Telescope
HRSI	High Temperature Reusable Surface Insulation	HSTP	Hard Stop
HRSO	High Resolution Solar Observatory	HSU	Helium Service Unit
HRT	High Resolution Tracker	HT	Heat Transfer Height High Technology
HRTS	High Resolution Telescope and Spectrograph	HT EXCH	Heat Exchanger
HS	Heat Shield High Speed Horizon Sensor	HTC	Hybrid Technology Computer
HS-C	Hamilton Standard CO ₂ Absorbent Material	HTG	Heating
HSC	Hardware/Software Coordination	HTGPF	High Temperature General Purpose Furnace
HSCU	Hydraulic Supply and Checkout Unit	HTLL	High Test Level Language
HSD	Hamilton Standard Division High Speed Data Horizontal Situation Display	HTM	High Temperature
HSDL	High Speed Data Line	HTPB	Hydroxyl Terminated Polybutadiene (Propellant) Hydroxyl Terminated Polybutylene
HSF	Hypergol Servicing Facility	HTR	Heater
HSG	High Sustained G's Acceleration	HTS	Heat Transfer System Heat Transport Section High Temperature Superconductivity
HSI	Horizontal Situation Indicator	HUD	Head Up Display
HSK	Horizontal Sling Kit	HUDE	Head Up Display Electronics
HSL	Hardware Simulation Laboratory	HUL	Hardware Utilization List
HSM	HOSC Shuttle Manager	HUM	Humidity
HSNG	Housing	HUP	Horizon Ultraviolet Program
HSO	Habitation/Station Operations	HUS	Hypergolic Umbilical System
HSOM	Habitation/Station Operations Module	HUT	Hard Upper Torso Hopkins Ultraviolet Telescope

HV	High Velocity High Voltage Hydrogen Vent
HVAC	Heating, Ventilating, and Air Conditioning
HVDS	Hypergolic Vapor Detection System
HVODS	HOSC Voice Operational Data Switch
HVPS	High Voltage Power Supply
HVR	Hover
HVSF	Honeywell Verification Simulation Facility
HVSL	Holidays, Vacation, and Sick Leave
HW	Hardware Headwind Hotwire
HW/SW	Hardware/Software
HWWS	Hyperfiltration Wash Water Recovery System
HX	Heat Exchanger
HXIS	Hard X-Ray Imaging Spectrometer
HYD	Hydraulic Subsystem Hydraulics
HYGL	Hypergolic
HYPACE	Hybrid Programmable Attitude Control Electronics
Hz	Hertz (Cycles Per Second)
HZE	Highly Charged and Energetic Particles

I

I	Inertias	I/V	Inlet Valve
I	Inner	IA	Implementation Agency
	Iodine		Input Axis
	Irradiated		Inverter Assembly
I LOAD	Initialization Load	IA/V	Internal Audio and Video
I&C	Installation and Checkout	IAA	International Aerospace Abstracts
	Instrumentation and Communication	IAB	IUS Assembly Building
	Instrumentation and Control	IAC	Integrated Analysis Capability
I&C/O	Installation and Checkout		Interface Adapter Unit
I&PS	Institutional and Program Support	IACS	Inertial Attitude Control System
I&O	Inlet and Outlet	IAD	Interface Agreement Document
I&R	Interchangeability and Replaceability		Interface Analysis Document
	Interchangeability and Replacement	IAL	Immediate Action Letter
I&RS	Instrument and Range Safety		International Algebraic Language
I&S	Interchangeability and Substitutability	IandC	Instrument and Communication
I&T	Integration and Test	IARS	Independent Air Revitalization System
I-GPRF	Isothermal General Purpose Rocket	IAS	Impact Assessment Sheet
	Furnace		Indicated Airspeed
I-LOS	Initial Data Load		Integrated Avionics System
I/A	Interface Adapter	IASS	Inverter/ATCS Support Structure
I/C	Intercom	IAT	Integrated Avionics Test
I/E	Input Electronics	IAU	International Astronomical Union
I/F	Interface	IAV	Inventory Adjustment Voucher
I/FU	Interface Unit	IB	Inboard
I/O	Input/Output		Inert Building
I/OB	Input/Output Bus		Instruction Book
I/OC	Input/Output Controller	IBF	Internally Blown Flap
I/OMI	Integration/Operations and	IBM	International Business Machines
	Maintenance Instruction	IBSE	Initial Blood Storage Experiment
I/OP	Input/Outboard Profile	IBSS	Infrared Background Signature Survey
I/OT	Input/Output Test		
I/OU	Input/Output Unit		
I/P	In Progress		
I/T	Intertank		

IC	Incremental Cost	ICIO	Interim Cargo Integration Operations
	Information Center	ICMO	Integrated Configuration Management Office
	Initial Condition	ICMS	Indirect Cost Management System
	Integrated Circuit		Integrated Configuration Management System
	Intercom (Orbiter to Ground via Hardline)		Intercom Master Station
	Intercommunications	ICMT	Intercontract Material Transfer
	Intercomputer	ICO	Integrated Checkout
	Interim Change	ICOM	Intercommunications
	Internal Combustion	ICOS	Improved Crew Optical Sight
	Ion Chamber	ICOU	Inertial Coupling Data Unit
IC/ES	Intercommunication/Emergency Station	ICP	ICS Control Program
ICA	Item Change Analysis		Inventory Control Point
ICAO	International Civil Aviation Organization	ICR	Instruction Change Request
ICAR	Investigation and Corrective Action Report	ICS	Instrumentation Control System
ICB	Interim Change Bulletin		Integrated Checkout Station
	Interrupt Control Block		Intercommunication System
ICBC	IMAX Cargo Bay Camera		Interface Control Specification
ICC	Intercomputer Channel		Interpretive Computer Simulator
	Intercomputer Communication	ICT	Influence Coefficient Tests
	Interface Control Chart		Interface Control Tooling
	Interstate Commerce Commission	ICTC	Inertial Components Temperature Controller
ICCB	Integrated Change Control Board	ICU	Interface Control Unit
ICCP	Interface Coordination and Control Procedure	ICW	Interrupted Continuous Wave
ICD	Interface Control Document	ICWG	Interface Control Working Group
	Interface Control Drawing	ID	Identification
ICDR	Incremental Critical Design Review		Identification Data
ICDU	Inertial Coupling Data Unit		Inside Diameter (id preferred)
ICE	Input Control Element		Interface Document
	Instrument Checkout Equipment	ID&CA	Inverter Distribution and Control Assembly
	Instrument/Communication Equipment	IDA	Interface Display Assembly
ICF	Interface Control Function	IDAC	Integrated Digital-Analog Converter
ICG	In-Flight Coverall Garment	IDAS	Integrated Data Acquisition System
ICH	Interchanger		

IGBP	International Geosphere-Biosphere (or Global Change) Program	ILS	Instrument Landing System
IGDS	Integrated Graphics Design System		Integrated Logistics Support
	Iodine Generating and Dispensing System		Integrated Logistics System
IGES	Initial Graphics Exchange Software	ILS/LAR	Integrated Logistics System and Logistics Assessment Review
IGI	Industrial Guest Investigation	ILSP	Integrated Logistics Support Plan
IGM	Interactive Guidance Mode	ILSSE	Integrated Life Science Shuttle Experiments
	Iterative Guidance Mode	IM	Information Memory
IGN	Ignition, Ignite		Inner Maker
IGOR	Intercept Ground Optical Recorder		Instrument Module
IGS	Inertial Guidance System		Interface Module
	Inner Glideslope		Interim Mission
IGSE	In-Space Ground Support Equipment		Intermediate Moisture
	Instrument Group Support Equipment	IMAP	Integrated Mission Analysis Planning
	Integrated Ground Support Equipment	IMAX	Shuttle Cabin Camera (Manufactured by IMAX, Inc.)
IGV	Inlet Guide Valve/Vanes		
IGY	International Geophysical Year	IMBLMS	Integrated Medical Behavioral Laboratory Measurement System
IH/SR	Integration Hardware and Software Review	IMC	Image Motion Compensation
IHP	Indicated Horsepower (ihp preferred)	IMCC	Integrated Mission Control Center
IHTV	Interim Hypersonics Test Vehicle	IMCE	Image Motion Compensation Electronics
IHX	Interloop Heat Exchanger		
II	Implementation Instructions	IMCP	Integrated Monitor and Control Panel
IIA	Instrument Integration Agreement	IMD	Intermediate
IIS	Inspection Item Sheet	IMDB	Integrated Maintenance Data Base
IITCS	Igloo Internal Thermal Control Section	IME	International Magnetospheric Explorer
ILA	Instrument Landing Approach	IMF	Inventory Master File
ILAS	Instrument Landing Approach System	IMIC	Integrated Management Information Computer
ILC	Initial Launch Capability		
	Intermediate Loads Cycle	IML	Inside Mold Line
	International Latex Corporation		International Microgravity Laboratory
ILCCS	Integrated Launch Control and Checkout System	IMP	Initial Memory Protection
			Interplanetary Monitoring Platform
ILLUM	Illuminate	IMPD	Impedance
ILP	Integrated Logistics Panel	IMPL	Implement
ILRV	Integral Launch and Reentry Vehicle	IMPLS	Impulse

IMS	Information Management System Institutional Management Support Inventory Management System	INP	Input
IMSL	Intermediate Seal	INR	Inertial Reference
IMU	Inertial Measurement Unit Internal Measurement Unit	INRTL	Inertial
IN	Information Systems Directorate (KSC) Inlet	INRTL VEL	Inertial Velocity
in	Inch	INS	Inertial Navigation System Insertion Burn, OMS1
INBD	Inboard	INSAT	Indian National Satellite
INBIT	Input Bit	INSL	Insulate
INC	Incomplete Increase Installation Notice Card Installation Notification Certificate	INSP	Inspect, Inspection
INCL	Inclination Include	INSPEX	Indonesia Space Experiment
INCLN	Incline	INSRP	Interagency Network Safety Review Panel
INCO	Inconel (nickel, chromium, and iron) Instrumentation and Communication Officer	INST	Instrument
INCR	Increase Increment	INST SYS	Instrumentation System
IND	Indicate, Indicator Industrial	INST/COMM	Instrumentation and Communication
INDAT	Incoming Data	INSTL	Install, Installation
INF	Infinite	INSTL&C/O	Installation and Checkout
INFT	Informal Training	INSTR	Instruct Instrument, Instrumentation
INH	Inhibit	INSTRUM	Instrumentation Subsystem
INIT	Initial Intiate	INT	Integrated Test Intensity Internal
INJ	Inject	INTASAT	Instituto Nacional De Technica Aeroespacial Satellite
INL	Inlet	INTC/O	Integrated Checkout
INMARSAT	International Maritime Satellite	INTCHG	Interchange
INOP	Inoperative	INTCHGR	Interchanger
		INTCP	Intercept
		INTEGR	Integrate, Integration
		INTELSAT	International Telecommunications Satellite Organization
		INTEROG	Interrogate
		INTF	Interface

INTG	Integration	IOPL	Integrated Open Problem List
INTLK	Interlock	IOQE	Input/Output Queue Element
INTR	Interior	IOS	Indian Ocean Ship (STDN)
INTRG	Interrogate		Indian Ocean STDN Site
INTRLVR	Interleaver		Input/Output Supervision
INTRPT	Interrupt		Instructor Operator Station
INTV	Interim Hypersonics Test Article	IOSC	Integrated Operations Support Center
INTVL	Interval	IOSS	Integrated Orbital Service System
INTVLM	Intervalometer	IOU	Input/Output Unit
INV	Inverter	IP	Identification of Position
INV MGT	Inventory Management		Igloo Pallet
IO	Industrial Operations (MSFC)		Impact Point
IOA	Input/Output Adapter		Inertial Processing
	Input/Output or Assembly		Instructor Pilot
IOB	Input/Output Box		Instrumentation Payload
	Input/Output Buffer		Instrumentation PCM Data Bus
	Input/Output Buffer (if Bus ≠)		Intermediate Pallet
IOBPS	Input/Output Box and Peripheral Simulator		Intermediate Pressure
IOC	Indirect Operating Costs	IPA	Intergovernmental Personnel Action
	Initial Operational Capability	IPACS	Integrated Power and Attitude Control System
	Initial Operating Capability	IPAD	Integrated Program for Aerospace Vehicle Design
	Input/Output Controller	IPAS	Integrated Problem Assessment
IOCM	Interim Operational Contamination Monitor	IPB	Illuminated Push Button
IOCU	Input/Output Control Unit		Illustrated Parts Breakdown
IOE	Input/Output Error Log Table	IPC	Imaging Proportional Counter
IOF	Initial Operational Flight		Intermittent Positive Control
IOM	Input/Output Module	IPCL	Instrumentation Program and Component List
IONS	Studies of the Ionization States of Solar and Galactic Cosmic Ray Heavy Nucleii	IPD	Information Processing Division
		IPDR	Incremental Preliminary Design Review
IOP	In-Orbit Plane	IPE	Industrial Plant Equipment
	Input/Output Port	IPF	IUS Processing Facility
	Input/Output Processor	IPI	Instrument Principal Investigator
	Integrated Operation Plan		
	Internal Operating Plan		

IPL	Indentured Parts List Initial Program Load Integrated Payload	IRANSAT	Iranian Government Communications Satellite (replaces IRAN)
IPMP	Investigation Into Polymer Membrane Processing	IRAR	Internal Variable
IPOTP	Integrated Payload Operations Training Plan	IRAS	Infrared Astronomy Satellite
IPR	Interim Problem Report	IRCFE	Infrared Communication Flight Experiment
IPRD	Integrated Payload Requirements Document	IRD	Information Requirements Document Initiating Reference Document Integrated Receiver Decoder Integration Requirements Document Interface Requirements Document
IPRR	Integrated Payload Requirements Review	IRG	Inertial Rate Gyro
IPS	Inches Per Second (in/s preferred) Instrument Pointing System (Subsystem) Instrumentation Power Subsystem Integral Propulsion Subsystem Interface Problem Sheets International Pipe Standard Inverter Power Supply	IRIG	Inertial Rate Integrating Gyro Inertial Reference Integrating Gyro Interrange Instrumentation Group
IPSE	INSAT Payload Specialist	IRIG-B	Interrange Instrumentation Group B
IPSL	Interface Problem Status Log	IRIS	Italian Research Interim Stage
IPT	In-Plant Transporter International Pipe Thread	IRL	Initiating Reference Letter Interface Requirement List
IPTCS	Igloo Passive Thermal Control Section	IRME	Initiator Resistance Measuring Equipment
IR	Inclination of the Ascending Return Infrared Inner Roll Gimbal Inside Radius International Rendezvous	IRN	Interface Revision Notice
IR&D	Independent Research and Development	IRR	Inspection Rejection Report Integral Rocket Ramjet Integration Readiness Review
IR SPECT	Infrared Spectrometer	IRS	Integrated Radiator System
IRAC	Interdepartmental Radio Advisory Committee	IRT	Infrared Telescope Integrated Rendezvous Target
IRAN	Inspection and Repairs as Necessary	IRTCM	Integrated Real-Time Contamination Monitor
		IRU	Inertial Reference Unit
		IRV	Isotope Reentry Vehicle
		IS	Installation Support Interconnecting Station
		ISA	Interim Stowage Assembly
		ISAC	Intelestat Solar Array Coupon

ISAI AH	Israel Space Agency Investigation About Hornets	ISRO	Indian Space Research Organization
ISC	Initial Software Configuration Map	ISS	Inertial Subsystem
ISCCP	International Satellite Cloud Climatology		Inhibit/Override Summary Snapshot Display
ISD	Instructional Systems Development (USAF)		Installation Support Services
ISDS	Inadvertent Separation Destruct Subsystem		Instruction Summary Sheet
ISEE	International Sun-Earth Explorer	ISSL	Integrated Support Stand
ISF	Industrial Space Facility	IST	Integrated System Schematic
ISI	Initial Systems Installation Instrumentation Support Instruction		IRIS Spinning Stage
ISIL	Interim Support Items List	ISSL	Initial Spares Support List
ISIS	International Satellite for Ionospheric Studies	IST	Instrumentation Support Team
ISL	Inertial Systems Laboratory		Integrated Systems Test
ISL/LAR	Integrated Logistics System and Logistics Assessment Review	ISTA	Intertank Structural Test Assembly
ISLM	Integration Shop/Lab Manager	ISTB	Integrated Subsystem Test Bed
ISLSCP	International Satellite Land Surface Climatology Project	ISTF	Integrated System Test Flow
ISN	Information System Network	ISTP	International Solar Terrestrial Project
ISO	Imaging Spectrometric Observatory Information Systems Office International Standardization Organization	ISU	Instrument Switching Unit
ISOC	Institutional Safety Office Contact		International Systems of Units
ISOL	Isolate, Isolation	ISY	International Space Year
ISP	Specific Impulse Imaging Spectro-Photometer Information Systems Office Instrumentation Support Plan Integrated Support Plan	IT	Identification Transponder
ISPG	Institutional Support Planning Group		Installation Test
ISPM	International Solar Polar Mission	ITA	Integrated Test Area
ISR	Initial System Release		International Television Academy
		ITAP	Integrated Technical Assessment Panel
		ITC	Igloo Thermal Control
		ITE	Instrumentation Test Equipment
			Integration Test Equipment
			Intersite Transportation Equipment
		ITI	Inspection and Test Instruction
		ITL	Integrate, Transfer, and Launch
		ITMG	Integrated Thermal/Micrometeoroid Garment
		ITO	Integration and Test Order
		ITRDS	Integrated Test Requirements Documents

ITS Instrumentation Telemetry Station
 Interim Teleprinter System

IU Instrument Unit
 Interface Unit

IUA Inertial Unit Assembly
 Interface Unit Adapter

IUCS Instrumentation Unit Update Command
 System
 Instrumentation Update Command
 System

IUE Interface Unit Error Count Table
 International Ultraviolet Explorer

IUS Inertial Upper Stage (was Interim
 Upper Stage)
 Interim/Intermediate Upper State
 Interim Use Sheet
 Interior Upper Stage

IV Initial Velocity
 Integrated Vehicle
 Interface Volume
 Intravehicular

IVA Intravehicular Activity

IVAK Igloo Vertical Access Kit

IVAR Internal Variable

IVBC Integrated Vehicle Baseline
 Configuration

IVC Intervehicular Communications

IVE Interface Verification Equipment

IVL Intervalometer

IVSI Instantaneous Vertical Speed Indicator

IVT Interface Verification Test
 Intervehicular Transfer

IVTE Integration and Verification Test
 Environment

IWBS Indirect Work Breakdown Structure

IWG Interface Working Group
 Investigator Working Group

J

J	Joule (SI Unit)	JOIP	Joint Operations Interface Procedure
J/M	Jettison Motor	JOP	Joint Operating Procedure
JACEE	Japanese-American Cooperative Emulsion Experiment		Jupiter Orbiter Probe—Galileo
JACD	Joint Architectural Control Document	JOR	Job Order Request
JAD	Joint Assembly Demonstration	JOVIAL	Joules Own Version International Algebraic Language
JAEIC	Joint Atomic Energy Intelligence Committee	JOV	Joint Venture
JAN	Joint Army-Navy	JP	Jet Propellant
JANNAF	Joint Army, Navy, NASA, and Air Force		Jet Propulsion
JAS	Journal of Aerospace Science Journal of Atmospheric Science	JPC	Joint Power Condition
JB	Junction Box	JPDRD	Joint Program Definition and Require- ments Document
JCL	Job Control Language	JPIC	Joint Program Integration Committee
JCP	Joint Power Conditions	JPL	Jet Propulsion Laboratory
JCT	Junction	JPOC	JSC Payload Operations Center
JEA	Joint Endeavor Agreement	JPP	Joint Program Plan
JED	Julian Ephemeris Data	JRB	Joint Review Board
JELM	Japanese Experiment Logistics Module	JSC	Johnson Space Center (formerly MSC)
JEM	Japanese Experiment Module	JSCM	JSC Manual
JES	Joint Environment Simulator	JSL	Jet Select Logic
JETS	Joint Electronic Type (Designation) System	JSLWG	Joint Spacelab Working Group
JETT	Jettison	JST	Joint Systems Test
JGR	Journal of Geophysical Research	JTA	Job Task Analysis
JIR	Job Improvement Request	JTG	Joint Training Group
JIS	Joint Integrated Simulation	JU	Joint Use
JO	Job Order	JULIE	Joint Utilization of Laser Integrated Experiments
JOC	Joint Operations Center	JURG	Joint Users Requirements Group
JOD	Joint Occupancy Data Joint Occupancy Date		
JOFOC	Justification for Other Than Full and Open Competition		

K

K	Kelvin	KAD	Kadena AB, Ryuku Islands (Deorb OPT Site)
K	One Thousand (k preferred)	KAPL	KSC Approved Parts List
k	Kilo (1,000)	KATE	Knowledge-Based Automatic Test Equipment (KSC's)
K&H	Memory Time Value	KATS	Kennedy Avionics Test Set
K-APM	KSC Automated Payloads Plan/Requirement	KAU	Kilo Accounting Unit
K-APN	KSC Automated Payloads Notice	KB	Keyboard Kilobit
K-APPS	KSC Automated Payloads Project Specification	KBAC	Kennedy Booster Assembly Contractor
K-BAND	10,900 to 36,000 MCS	KBIM	Keyboard Interface Module
K-CITEM	KSC CITE Plan/Requirement	KBPS	Kilobits Per Second
K-DODM	KSC DOD Plan/Requirement	KBU	Keyboard Unit
K-DPM	KSC DOD Payloads Plan/Requirement	kc	Kilocycle
K-DPN	KSC DOD Payloads Notice	kcal	Kilocalorie
K-DPPS	KSC DOD Payloads Project Specification	KCAS	Knots Calibrated Airspeed
K-IUSM	KSC IUS Plan/Requirement	KCRT	Keyboard Cathode Ray Tube
K-IUSN	KSC IUS Notice	KCS	Keyboard Configuration Studies
K-IUSPS	KSC IUS Project Specification	KDMS	Kennedy Data Management System(s)
K-MMSEM	KSC MMSE Plan/Requirement	KDN	Kinetically Designed Nozzle
K-MMSEN	KSC MMSE Notice	KDT	Keyboard and Display Test
K-MMSEPS	KSC MMSE Project Specification	KDU	Keyboard and Display Unit
K-SLM	KSC Spacelab Plan/Requirement	KEAS	Knots Equivalent Airspeed
K-SLN	KSC Spacelab Notice	kg	Kilogram
K-SLPS	KSC Spacelab Project Specification	kgal/min	Kilogallons Per Minute
K-SM	KSC Shuttle Management Document	KHB	KSC Handbook
K-SPN	KSC Shuttle Project Notice	kHz	Kilohertz
K-SPS	KSC Shuttle Project Specification	KIAS	Knots Indicated Airspeed
K-SSS	KSC Shuttle Project Station Set Specification	KIMS	Kennedy Inventory Management System
K-STSM	KSC STS Plan/Requirement	KIP	Keyboard Input Processor
K-STSN	KSC STS Notice	KIS	Kitting Instruction Sheet
K-STSPS	KSC STS Project Specification	KITE	Kinetic Isolation Tether Experiment
K/S	Kick Stage	klb	Kilopound
		km	Kilometer
		KMI	KSC Management Instruction

KMR	Kwajalein Missile Range
KMS	K-Words X Millions of Seconds
KN	Kitting Notice
	KSC Notice
KNO	Kano, Nigeria (Remote Site)
KOI	KSC Operation Instruction
KOM	KSC Organizational Manual
KOPS	Thousand of Operations Per Second
KPD	KSC Program Directive
KPNO	Kitt Peak National Observatory
KPPS	Kilopulses Per Second
KPRD	KSC Program Requirements Document
KPS	Kilometers Per Second
KSA	Ku-Band Single Access
KSC	John F. Kennedy Space Center
KSCAP	Kennedy Space Center Area Permit
KSDN	Kennedy Switched Data Network
KSSS	KSC Station Set Specification
KT	Kit
	Knots
KU	Keyboard Unit
KU-BAND	15.250 to 17.250 GHz
KUSP	Ku-Band Signal Processor
	Ku-Band Single Processor
kV	Kilovolt
kVA	Kilovoltampere
kW	Kilowatt
kWh	Kilowatt Hours
KYBD	Keyboard

LB	Launch Boost	LCOM	Logic Control Output Module
	Launch Bus	LCR	Launch Control Room
	Load Bank		Low Cross Range
	Low Bay	LCS	Laser Communications Subsystem (System)
	Lower Brace		Launch Control System
lb	Pound		List of Command Signals
LBDT	Low Bay Dolly Tug	LCT	Launch Countdown
LBK	Left Bank	LCU	Line Coupling Unit
LBL	Left Buttock Line	LCUG	Liquid Cooling under Garment
LBM	Liquid Boost Module	LCVG	Liquid Cooling and Ventilation Garment
	Load Buffer Memory		
LBNPD	Lower Body Negative Pressure Device	LCXT	Large Cosmic X-Ray Telescope
LBR	Low Bit Rate	LD	Lateral Direction
LC	Launch Complex		Loading Dock
	Launch Countdown	LDB	Launch Data Bus
	Launch Critical		Logistics Data Bank
	Left Center	LDEC	Lunar Docking Events Controller
LC-39	Launch Complex 39 (A or B)	LDEF	Long Duration Exposure Facility
LCA	Launch Control Amplifier	LDG	Landing
	Load Controller (Control) Assembly	LDI	Low Density Indication
LCB	Least Common Bit	LDIU	Launch Data Interface Unit
LCC	Launch Commit Criteria	LDMK	Landmark
	Launch Control Center	LDR	Large Deployable Reflector
	Life Cycle Costs		Low Data Rate
LCCD	Launch Commit Criteria Document	LDS	Landing/Deceleration Subsystem
LCCEV	Low Cost Cryogenic Expendable Vehicle		Landing, Deservicing, and Safing
LCD	Launch Countdown		Laser Docking Sensor
LCF	Low Cycle Fatigue		Loads
LCG	Liquid Cooled Garment	LDT	Linear Displacement Transducer
LCH	Latch	LDV	Laser Doppler Velocimeter
	Launch	LE&S	Logistics Engineering and Support
LCHTF	Low Cycle High Temperature Fatigue	LE	Launch Escape
LCL	Local		Leading Edge
LCM	Least Common Multiple	LEA	Logistics Engineering Analysis (Analyses)
LCMS	Low Cost Modular Spacecraft	LEA SAT	Leased Communications Satellite
LCO	MMC Uniform Central Number		

LEB	Lower Equipment Bay	LH	Left Hand
LEC	Lockheed Electronics Company	LH₂	Liquid Hydrogen
LED	Light Emitting Diode	LHA	Local Hour Angle
LEH	Launch/Entry Helmet	LHC	Left Hand Circular
LEM	Laboratory Environment Model	LHCP	Left Hand Circular Polarization
	Launch Escape Monitor		Left Hand Circularly Polarized
LEO	Low Earth Orbit	LHe	Liquid Helium
LER	Long Eye Relief (Optics)	LHP	Left Hand Panel
LeRC	Lewis Research Center (Cleveland, OH)	LHS	Left Hand Side
LES	Launch Entry Suit	Li	Lithium
	Launch Equipment Shop	LIB	Left Inboard
	Launch Escape Subsystem	LIC	Load Interface Circuit
LESS	Leading Edge Structure Subsystem	LID	Leadless Inverted Device
	Leading Edge Subsystem		Logistics Identification Document
LET	Linear Energy Transfer	LIDAR	Laser-Radar
LETF	Launch Equipment Exposure Facility	LIE	Left Inboard Elevon
	Launch Equipment Test Facility	LIM	Limit
LETGS	Low Energy Transmission Grating Spectrometer	LIMRIC	LRU Identification and Maintenance Requirements Catalog
LF	Launch Facility	LIMS	Light Ion Mass Spectrometer
	Launch Forward		Logistics Inventory Management System
	Left Forward	LIN	Linear
	Load Factor		Liquid Nitrogen
	Low Frequency	LINJET	Liquid Injection Electric Thruster
LFAF	Low Frequency Accelerometer Flutter	LINS	Laser Inertial Navigation System
LFAM	Low Frequency Accelerometer Modes	LiOH	Lithium Hydroxide
LFAP	Low Frequency Accelerometer Pogo	LIQ	Liquid
LFC	Large Format Camera	LIS	Lightning Imaging Sensor
LFO	Low Frequency Oscillator		Logistics Information System
LFOP	Landing and Ferry Operations Panel	LITE	Lidar in Space Technology Experiment
LFRR	Low Frequency Radio Range	LK	Leak
LG	Landing Gear		Lock
	Length		
LGA	Low Gain Antenna		
LGAS	Low-G Accelerometer System		
LGIU	Laser Gyro Interface Unit		

LL	Landline	LN₂	Liquid Nitrogen
	Launch and Landing	LNCH	Launch
	Launch Left	LNDG	Landing
	Level Lock	LNG	Liquefied Natural Gas
	Long Lead	LO	Launch Operations
	Long Line		Local Oscillator
	Low Level		Lock-On
	Lower Left	LO₂	Liquid Oxygen
	Lower Limit	LOA	Landing Operations Area
LLCF	Launch and Landing Computational Facilities		Launch Operations Area
LLI	Limited Life Item	LOAP	List of Applicable Publications
LLIL	Long Leadtime Items List	LOB	Left Outboard
LLL	Latitude/Longitude Locator		Line of Balance
LLNL	Lawrence Livermore National Laboratory	LOC	Launch Operations Complex
			Localizer
LLOS	Landmark Line-of-Sight		Location
LLP	Launch and Landing Project		Logistics Operations Center
LLPO	Launch and Landing Project Office	LOCC	Launch Operations Control Center
LLS	Launch and Landing Site	LOD	Launch on Demand
LLT	Long Leadtime	LOE	Left Outboard Elevon
LM	Left Mid		Level of Effort
	Long Module		Line of Effort
LME	Launch Monitor Equipment	LOFAR	Low Frequency Acquisition and Ranging
LMF	Levitation Microfurnace	LOFO	Low Frequency Oscillation
	Lower Mid-Fuselage	LOGO	Limit of Government Obligation
LMG	Left Main Gear	LOI	Lunar Orbit Insertion
LMK	Landmark	LOL	Limit of Liability
LMP	List of Measurement Points	LOLI	Limited Operational-Life Items
LMRT	Logistics Management Responsibility Transfer	LON	Longitude
LMS	Lightning Mapper Sensor	LONG	Longitude (long. preferred)
	Load Measurement System	LOR	Lunar Orbit Rendezvous
	Logistics Master Schedules	LORA	Level of Repair Analysis
LMSC	Lockheed Missiles and Space Corporation	LORAN	Long Range Navigation
LN	Line		

LOS	Line-Off Simulator Line of Sight Loss of Signal Loss of Sync	LPTTL	Low Power Transistor-Transistor Logic
LOSM	Launch Operations Support Manager	LPW	Lumens Per Watt
LOT	Lift-Off Time	LR	Landing Radar Launch Right Left Rudder Lower Right
LOV	Limit of Visibility Loss of Visibility	LR/LD	Line Receiver/Line Driver
LOWG	Landing Operations Working Group Launch Operations Working Group	LRECL	Logical Records of Fixed Length
lox	Liquid Oxygen (LO ₂)	LRF	Liquid Rocket Fuel
lox/LH₂	Liquid Oxygen/Liquid Hydrogen	LRI	Low Resolution Imager
LOXT	Large Orbital X-Ray Telescope	LRO	Large Radio Observatory
LP	Launch Pad Liquid Propellant Low Pressure	LRR	Launch Readiness Review
LPD	Landing Point Designator Launch Procedure Document	LRS	Low Resolution Spectrometer Low Response System
LPDM	List of Physical Dimensions	LRSI	Low Temperature Reusable Surface Insulation
LPF	Low Pass Filter	LRU	Line Replaceable Unit
LPFT	LOPW Pressure Fuel Turboprop	LRV	Launch Readiness Verification Long Range Video
LPFTP	Low Pressure Fuel Turbopump	LS	Landing Side Launch Sequence
LPG	Last Page Generator (Distribution List Used in All OMT's) Liquid Propellant Gun		Left Side Life Science Limit Switch
LPLWS	Launch Pad Lightning Warning System	LS/ST	Light Shield/Star Tracker
LPM	Lines Per Minute	LSA	Launch Services Agreement Logistics Support Analysis
LPMG	Liquid Phase Miscibility Gap	LSAH	Launch Site Accommodations Handbook
LPOP	Low Pressure Oxidizer Turbopump	LSAP	Launch Sequence Applications Program
LPOTP	Low Pressure Oxidizer Turbopump	LSB	Least Significant Bit Lower Side Band
LPOX	Low Pressure Oxygen	LSC	Linear Shaped Charge
LPR	Line Printer	LSCA	Logistics Support Cost Analysis
LPS	Launch Processing (Processor) System Liters Per Second (L/s preferred)		
LPS/CDS	LPS/Central Data Subsystem		

LSD	Landing Ship Dock Low Speed Data	LSSRC	Life Sciences Shuttle Research Centrifuge
LSE	Launch Support Equipment Life Support Equipment	LSST	Launch Site Support Team
LSF	Laboratory Simulation Facility	LST	Large Space Telescope Large Stellar Telescope
LSFE	Life Sciences Flight Experiment		Launch Support Team
LSFR	Launch Side Flow Review		Liquid Storage Tank
LSI	Large Scale Integration		Local Standard Time
LSID	Launch Sequence and Interlock Document	LSTE	Launch Site Transportation Equipment
LSLE	Life Sciences Laboratory Experiment	LSU	Life Support Umbilical
LSM	Life Science Module	LT	Lead Time Left Light
LSMI	Logistics Support Management Information	LTA	Linear Triaxial Accelerometer
LSO	Landing Support Officer Large Solar Observatory		Lower Torso Assembly
LSP	Least Significant Portion	LTD	Lift-to-Drag Limited
LSPDF	Life Science Payloads Development Facility	LTG	Lighting Linear Tangent Guidance
LSR	Land Sea Rescue Launch Site Recovery Launch Support Room	LTM	Lead Time Matrix
LSRM	Life Science Research Module	LTRF	Low-Temperature Research Facility
LSS	Landing, Separation Simulator Large Space Structures Launch Support Services Launch Support System Life Support Subsystem Load Sensing System	LUB	Lubricate
LSSCV	Large Scale Structure Control Verification	LUPI	Laser Unequal Path Interferometer
LSSE	Launch Site Support Engineer	LUS	Liquid Upper Stage
LSSF	Life Sciences Support Facility	LUT	Launcher-Umbilical Tower
LSSL	Life Sciences Space Laboratory	LV	Launch Vehicle Lift Vector Limit Value Loading Valve Load Vertical Local Vertical Low Voltage
LSSM	Launch Site Support Manager	LVDC	Launch Vehicle Digital Computer
LSSP	Launch Site Support Plan	LVDT	Linear Variable Differential Trans- former Linear Voltage Differential Trans- former

LVG Low Viscosity Gyro
LVL Level
LVLH Local Vertical/Local Horizontal
LVPS Low Voltage Power Supply
LVS Launch Vehicle System
LW Launch Window
LWD Launch Window Display
Left Wing Down
LWG Logistics Working Group
LWHS Light-Weight Headset
LWR Lower
LWS Lightning Warning System
LWT Launch Window Time
Light Weight Tank (Shuttle-C ET)

M

M	Mach	M/F	Maintenance Factor
	Maintainability	M/I	Minimum Impulse
M	Major Cycle	M/L	Maintenance Loop
	Male	M/LR	Maintenance Loop Recorder
	Mandatory	M/P	Main Parachute
	Manual	M/R	Mixture Ratio (Fuel to Oxidizer)
	Mass	M/S	Mainstage
	Matrix		Measurement Stimuli
	Mega	M/SCI	Mission/Safety Critical Item
	Mercury	M/U	Mockup
	Middle	M50	Mean of 1950 (Coordinate System)
	Million	MA	Maintenance (STS)
	Missing (Data)		Maintenance Ability
	Monitor (MON preferred)		Martin Ablator
	Number of Revolutions Required for the Rendezvous		Master
m	Meter		Master Alarm
M&C	Maintenance and Checkout		Material Authorization
	Monitor and Control Panel		Metabolic Analyzer
M&F	Materials and Facilities		Middeck Act
M&M	Materials and Maintenance		Mike Amplifier
M&O	Maintenance and Operations		Missed Approach
M&P	Materials and Processes		Mission Analysis
	Materials and Processing	mA	Mission Assignment
M&R	Maintenance and Refurbishment		Multiple Access
	Maintenance and Repair	MA	Milliamper
M&RF	Maintenance and Refurbishing Facility	MA&P	Maintenance Analysis and Planning
M&RO	Maintenance and Refurbishment Operations	MA&T	Manufacturing Assembly and Test
M+R	Maintenance and Refurbishment	MAA	Mathematical Association of America
	Maintenance and Repair		Maximum Authorized Altitude
M-	Time in Days Before Move Operations	MAAB	Materials Application Advisory Board
m-kg	Meter-Kilogram	MAAR	Monthly Associate Administrator's Review
M-M-L-S	Model-Modes-Loads-Stresses		

MAB	Master Acquisition Bus Materials Advisory Board Materials Application Board Mechanical Automation Breadboard Missile Assembly Building	MAGIC	Multiple Aperture Gas Imaging Counter
MAC	Main Display Console Maintenance Advisory Committee Maximum Allowable Concentration Maximum Concentration of Organics Mean Aerodynamic Chord Military Airlift Command Multiaccess Computer	MAGSAT	Magnetometer Satellite
MACDS	Monitor and Control Display System	MAI	Machine-Aided Indexing
MACE	Mechanical Antenna Control Electronics	MAIDS	Management Automated Information Display System Multipurpose Automatic Inspection and Diagnostic System
MACH	Machine Velocity Relative to the Speed of Sound	MAIN	Maintenance
MACI	Monitor, Access, and Control Interface	MAINT	Maintenance
MACO	Major Assembly Checkout	MAIR	Manufacturing and Inspection Record
MACRO	Merge and Correlate Recorded Output (Program)	MAJ	Major
MACS	Modular Attitude Control Subsystem	MAL	Malfunxion Material Allowance List Mobile Airlock
MAD	Madrid, Spain (STDN Site, First Antenna) Maintenance Analysis Data	MALL	Malleable
MADC	Multiplexer Analog to Digital Converter	MAMS	Multispectral Atmospheric Mapping Sensor
MADRE	Manufacturing Data Retrieval System	MAN	Manual Microwave Aerospace Navigation
MADS	Modular Auxiliary Data Systems	MANF	Manifold
MAEP	Minimum Autoland Entry Point	MAOT	Maximum Allowable Operating Time
MAF	Manpower Authorization File Michoud Assembly Facility Mixed Amine Fuel	MAP	Maintenance Analysis Program Message Acceptance Pulse Missed Approach Point Mission Application Program
MAG	Magazine Magnetic Magnitude	MAPOLE	Magnetic Dipole Spark Transmitter
		MAPS	Measurement of Air Pollution From Satellites Measurement of Atmospheric Pollution From Satellites
		MAPTIS	Materials and Processes Technical Information Services
		MAR	Maintenance and Refurbishment Memory Address Register Middeck Accommodations Rack

MARS	Martin Automatic Reporting System Modular Airborne Recorder System Modular Airborne Recording System	MBI	Multibus Interface
MARTS	MSFC Accounting and Resources Tracking System	MBK	Medications and Bandage Kit
MAS	Millimeter Wave Atmosphere Sounder	MBL	Mobile Unit (TACAN Station)
MASA	Metals and Alloys Solidification Apparatus	MBO	Management by Objective
MASDC	Military Aircraft Storage and Disposition Center	MBPS	Megabits Per Second Million Bits Per Second
MAT	Matrix Meteorological Atmospheric Turbulence Multiple Actuator Test	MBV	Main Base Visit
MATCO	Materials Analysis, Tracking, and Control	MC	Memory Configuration Midcourse Correction Maneuver Mission Capability Mission Completion/Continuation
MATL	Material	MC&C	Measurement, Command, and Control
MAU	Million Accounting Units	MC&W	Master Caution and Warning
MAUS	Messenschafteliche Autonome Experiment Unter Schewereelosigkeit	MCA	Master Control Assembly Maximum Crossing Altitude Monitoring and Control Assembly Motor Control Assembly Multichannel Analyzer
MAX	Madrid, Spain (STN Site, Second Antenna) Maximum	MCCBF	Mean Cycle Between Failures
MAX-Q	Maximum Dynamic Pressure	MCC	Main Combustion Chamber Mission Control Center (JSC) Motor Control Center (JSC)
MAXCO	Maximum Dynamic Pressure	MCC-DOD	Mission Control Center–DOD
MB	Main Bus Management Baseline Manned Base	MCC-H	Mission Control Center–Houston
MB, mbar	Millibar	MCC-K	Mission Control Center–Kennedy
MB/S	Megabits Per Second	MCC-NASA	Mission Control Center–NASA
MBAC	Marshall Booster Assembly Contractor	MCCC	Mission Control and Computing Center
MBB	Messerschmitt-Boelkow-Blohm (GmbH)	MCCS	Mission Control Center Simulation (System)
MBC	Maximum Breathing Capacity	MCDS	Maintenance Control and Display System Multifunction CRT Display System
MBCS	Motion-Base Crew Station (SMS)	MCDU	Multifunction CRT Display Unit
MBFP	Manufacturing Build and Flow Plan	MCE	Mechanism Control Electronics

MCF	Maintenance and Checkout Facility		Manual Direct
	Major Component Fail		Manual Disconnect
	Mission Control Facility		Master Dimension
MCIU	Manipulator Controller Interface Unit		Microdot
	Master Control and Interface Unit		Middeck
	Mission Control and Interface Unit		Mission Director
MCL	Mass Change Log	MDA	Main Distribution Assembly
	Master Configuration List		Maintainability Design Approach
MCLT	Maximum Cruise Level Thrust		Middeck Assembly (FDF)
MCM	MADS Control Module		Motorized Door Assembly
MCN	Master Change Notice		Multiple Docking Adapter
MCO	Mission Control Operations	MDAC	McDonnell Douglas Astronautics Company
MCOP	Mission Control Operations Panel		
MCP	Master Change Proposal	MDAR	Malfunction Detection, Analysis, and Recording
	Master Computer Program		
	Materials Control Plan	MDAS	Meteorological Data Acquisition System
	Measurements Control Procedure		Mission Data Acquisition System
	Microchannel Plate	MDB	Mission Data Book
	Mission Control Programmer	MDC	Main Display Console
	Monitoring and Control Panel		Mission Director Center
	Multibeam Communication Package		Mission Duty Cycle
MCPC	Manipulator Controller Power Conditioner	MDCA	Main Distribution Control Assembly
MCPS	Major Cost Proposal System	MDCS	Maintenance Data Collection System
MCR	Master Change Record		Malfunction Display and Control System
MCS	Maintenance and Checkout Station		Master Digital Command System
	Measurements Calibration System		Material Data Collection System
MCT	Maximum Climb Thrust	MDD	Mate/Demate Device
	Metabolic Control Test	MDDS	Material Directory Data Sheet
	Mission Control Table	MDE	Mission Dependent Equipment
MCU	Master Control Unit		Mission Dependent Experiment
	Mission Control Unit		Modular Display Electronics
MCVP	Materials Control and Verification Program	MDF	Main Distribution Frame
MCW	Modulated Continuous Wave		Manipulator Development Facility
MD	Biomedical Office (KSC Directorate)		Mating/Demating Facilities
	Malfunction Detection		Mild Detonating Fuse

MDL	Master Data Library		Maintenance Engineering Analysis
MDM	Manipulator Deployment Mechanism		Materials Experiment Assembly
	Medical Monitor	MEAR	Maintenance Engineering Analysis Request
	Multiplexer/Demultiplexer		
MDP	Management Development Program	MEAS	Measuring, Measurement
MDR	Maintenance Demand Rate	MEB	Main Electronics Box
	Major Design Review	MEBO	Main Engine Burnout
	Minor Discrepancy Repair	MEC	Engine Mounted Computer
	Missing Data Report		Main Engine Controller
	Mission Data Reduction		Master Event Controller
	Monthly Director's Review		Materials Experiment Carrier
MDRD	Mission Data Requirements Document		Mission Events Controller
MDRS	Manufacturing Data Retrieval System	MECA	Main Engine Controller Assembly
	Mission Data Retrieval System	MECCA	Master Electrical Common Connector Assembly
MDS	Malfunction Detection System		
	Management Data System	MECF	Main Engine Computational Facilities
	Master Development Schedule	MECH	Mechanical
	Minimum Discernible Signal	MECO	Main Engine Cutoff
	Minimum Discernible System	MECR	Maintenance Engineering Change Request
	Mission Development Simulator		
	Motion Detection System	MED	Manual Entry Device
MDSD	Mate/Demate Stiffleg Derrick		Medical
MDSF	Manipulator Development and Simulation Facility		Medium
MDSSC	McDonnell Douglas Space Systems Company	MEDEA	Material Science Experiment Double Rack for Experiment Modules and Apparatus (Spacelab D-1 Experiment)
MDT	Maintenance Demand Time		
	Mean Detonating Time	MEDICS	Medical Information Computer System
	Mean Down Time	MEE	Mission Essential Equipment
	Measurement Descriptor Table	MEG	Megohm
	Mountain Daylight Time	MEI	Master Inspection Item
MDTSCO	McDonnell Douglas Technical Services Company	MEIG	Main Engine Ignition
ME	Main Engine	MEIU	Main Engine Interface Unit
	Management Engineering	MEL	Master Equipment List
	Miscellaneous Equipment		Minimum Equipment List
MEA	Main Electronics Assembly		Modular Electromagnetic Levitator
		MELEO	Material Exposure in Low Earth Orbit

MELI	Master Equipment List Index Minimum Equipment List Index		Mission Events Sequence
MEM	Materials Experimentation Module Meteoroid Exposure Module Middeck Electronics Module Module Exchange Mechanism	MESA	Marshall Engineers and Scientists Association Miniature Electrostatic Accelerometer Modular Equipment Stowage Assembly
MEOP	Maximum Expected Operating Pressure		MSFC Engineering Support Area
MEP	Main Engine Propellant Main Entry Point Management Engineering Program Mean Effective Pressure Minimum Entry Point	MESC	Master Events Sequencer Controller
MEPF	Multiple Experiment Processing Furnace	MET	Master Events Timer Meteorological Mission Elapsed Time Mission Events Timer
MEPF-GCF	Multiple Experiment Processing Facility—Crystal Growth Furnace	META	Megachannel Extraterrestrial Assay
MEPF-MAS	Multiple Experiment Processing Facility—Metal Alloy Solidification	METRO	Meteorology
MEPHISTO	French (derived from descriptive name) Material pour l'Etude des Phenomenes Interessant la Solidification sur Terre et en Orbite	METVC	Main Engine Thrust Vector
MER	Meridian Mission Evaluation Room	MEWG	Maintenance Engineering Working Group
MERL	Materials Engineering Research Laboratory Materials Equipment Requirement List	MF	Major Function Master Frame Mate and Ferry Medium Frequency (300 to 3,000 kHz) Middeck Forward Midfuselage
MERSAT	Meteorology and Earth Observation Satellite	MFA	Manned Flight Awareness
MERU	Milliearth Rate Unit	MFBP	Manufacturing Flow and Building Plan
MES	Main Engine Start Mated Elements Simulator Mated Events Simulator	MFC	Multiple Flight Computer Multiple Flight Controller
		MFD	Main Feed Malfunction Detection Midflight Deck
		MFDE	Midflight Deck Experiment
		MFE	Mid Frequency Executive
		MFE/Magnolia	Magnetic Field Explorer/Magnolia Mission
		MFF	MDM Flight Forward
		MFG	Major Functional Group Manufacturing

MFMR	Multifrequency Microwave Radiometer	mi	Mile
MFO	Major Function Overlay	MIA	Mission Implementation Agreement
MFPE	Mission From Planet Earth		Multiflex Interface Adapter
MFR	Manipulator Foot Restraint		Multiplexer Interface Adapter
	Maximum Flight Rate	MIB	Master Interconnect Board
	Multifunctional Receiver	MIC	Management Information Center
	Multifunctional Review	MICG	Mercury Iodide Crystal Growth
MFT	Mean Flight Time	MICIS	Material Information Control and Information System
MFTAD	Master Flight Test Assignment Document (JSC)	MICOM	Missile Command (Army)
MFV	Main Fuel Valve	MICS	Management Information and Control System
MFVA	Main Fuel Valve Actuator	MID	Midbody
MG	Middle Gimbal (YAW)	MIDDS/MEIDAS	Meteorological Interactive Display Data System/Man Computer Interactive Data Access System
	Mobile Generator		GSFC Spaceflight Tracking and Data Network Station (KSC) Merritt Island, FL (STDN Site)
Mg	Magnesium		Military
mg	Milligram	MIL	Merritt Island Launch Area
MGA	Middle Gimbal Angle		Modified Intermediate Low Cycle
MGAMS/CDTR	Microgravity Accelerometer Measurement System/Cassette Data Tape Recorder	MILS	Missile Impact Location System
MGC	Manual Gain Control	MILSTRIP	Military Standard Requisition and Issue Procedure
MGE	Maintenance Ground Equipment	MIMOSA	Mission Modes and Space Analysis
MGM	Mechanics of Granular Materials	MIMS	Medical Information Management System
MGMT	Management	MIN	Minimum
MGR	Manager	min	Minute
MGSE	Mechanical Ground Support Equipment	Mini-MADS	Minimodular Auxiliary Data System
MGT	Major Ground Test		Master Interface Network
MGVT	Mated Ground Vibration Test	MIO	Management Integration Office
MHC	Manipulator Hand Controller	MIOS	Multi-IMU Operation System
MHD	Multihead Disc		
MHE	Material Handling Equipment		
MHF	Medium High Frequency		
MHSC	Manipulator Handset Controller		
MHW	Multihundred Watt		
MHz	Megahertz (Megacycles Per Second)		
MI	Management Information		

MIP	Management Implementation Plan Mandatory Inspection Point Minimum Impulse Pulse MMU Integration Plan Modification Instruction Package	MLA	MDM Launch Aft Monochrome Lens Assembly
MIPR	Military Intergovernmental Purchase Request	MLB	Multilayer Board
MIPS	Merritt Island Press Site	MLC	Mobile Launcher Computer
MIR	Malfunction Investigation Report Mirror	MLE	Mesoscale Lightning Experiment
MIRADS	Marshall Information Retrieval and Display System	MLF	MDM Launch Forward
MIS	Management Information System Mission Information Subsystem	MLG	Main Landing Gear
MISC	Miscellaneous	MLGS	Microwave Landing Guidance System
MISS	Mission	MLI	Multilayer Insulation
MIT	Massachusetts Institute of Technology (CSDL) Master Instruction Tape	MLL	MDM Launch Left
MITS	Marshall Integrated Telecommunications System	MLP	Mobile Launch (Launcher) Platform
MITTS	Mobile Igor Tracking Telescope System	MLR	MDM Launch Right Monodisperse Latex Reactor
MIU	MPE Interface Unit Multiplex Interface Unit	MLRS	Monodisperse Latex Reactor System
MIUL	Materials Identification and Usage List	MLS	Microwave Landing System
MIUS	Modular Integrated Utility Systems	MLW	Maximum Landing Weight
MJ	Mechanical Joint	MLX	Merritt Island, FL (STDN Site, Second Antenna)
MJCA	Midbody Jettison Control Assembly	MM	Main Memory Main Module Major Mode Man-Month Mass Memory Math Model Mission Manager
MJS	Manipulator Jettison System (Subsystem)	mm	millimeter
MK	Mark	MMA	Mass Memory Assembly MSFC Management Association
MKTI	Mission Kit Technical Instruction	MMACS	Maintenance Management and Control System Maintenance, Mechanical Arm, and Crew System Engineer
ML	Middeck Left Mobile Launcher Mold Line	MMAG	Martin Marietta Astronautics Group
ML PED	Mobile Launcher Pedestal	MMAS	Material Management Accounting (Accountability) System
		MMC	Martin Marietta Corporation Mission Management Center

MMCA	Midbody Motor Control Assembly		Mars Observer
MMCL	Master Measurement and Control List		Master Oscillator
MMDB	Mass Memory Data Base		Middeck Overhead
	Master Measurement Data Base		Mission Operations
MMDF	Mission Model Data File		Move
MMES	MSFC Mated Element Systems	Mo	Molybdenum
MMH	Maintenance Man-Hour	MOA	Make on Arrival
	Monomethylhydrazine		Memorandum of Agreement
MMI	Marshall Management Instruction		Minute-of-Angle
	Mode-Medium Instability	MOC	Marine Operation Center
MMIS	Manpower Management Information System		Missions Operations Center
			Mission Operations Computer
MML	Master Measurement(s) List	MOCF	Mission Operations Computational Facilities
MMLS	Model-Modes-Loads-Stresses	MOCR	Mission Operations Control Room
MMMS	Martin Marietta Manned Space System	MOCS	Multichannel Ocean Color Sensor
	Militarized Multimission Modular Spacecraft	MOCV	Manual O ₂ Control Valve
		MOD	Mission Objectives Document
MMOS	Multimode Optical Sensor		Mission Operations Directorate
MMPSE	Multiuse Mission Payload Support Equipment		Modification
			Modify
MMS	Mission Modular Spacecraft		Modulation, Modular
	Modular Multiband Scanner		Module, Modular
	Multimission Modular Spacecraft	MODART	Methods of Defeating Advanced Radar Threats
MMSE	Multiuse Mission Support Equipment		
MMSL	Microgravity Materials Science Laboratory	MODB	Master Object Data Base
		MODEM	Modulator-Demodulator
MMT	Mass Memory Test	MODLAN	Mission Operations Division Local Area Network
MMU	Manned Maneuvering Unit		
	Mass Memory Unit	MODS	Mission Operations and Data System Modifications
MN	Main		
MNA,B,C	Main Bus A, B, or C	MOF	Manned Orbital Flight
MNVR	Maneuver	MOL	Molecular
MO	Major Objective	MOM	Mission Operations Manager
	Manned Orbiter		Moment
	Manual Orientation	MON	Monitor
	Manufacturing Order	MOP	Mission Operations Plan

MOPI	Max Rate Output Initiator	MPC	Manual Pointing Controller
MOPR	Mission Operations Planning Review		Memory Protection Check
	Mission Operations Planning Room		Meteorological Prediction Center
MOPS	Military Operations Phone System		Midbody Pyro Controller
	Mission Operations Planning System	MPD	Main dc Power Distributor Assembly
MOR	Manufacturing Operation Record		Maximum Permissible Dose
	Mission Operations Report	MPE	Mission Peculiar Experiment
MORD	Medical Operations Requirements	MPRESS	Mission Peculiar Experiment Support
	Document		Structure
	Mission Operations Requirements	MPG	Multiple Point Ground
	Document		Multipoint Grounding
MORT	Management Oversight and Risk Tree	MPGHM	Mobile Payload Ground Handling
MOS	Metal Oxide on a Substrate		Mechanism
	Metal Oxide Semiconductor	MPHE	Material and Personnel Handling
	Mission Operations System		Equipment
MOSPO	Mobile Satellite Photometric	MPI	Mission Payload Integration
	Observatory	MPIIN	Modification Procurement Instrument
MOT	Motor		Identification Number
MOU	Memorandum of Understanding	MPIO	Mission Payload Integration Office
MOV	Main Oxidizer Valve	MPL	Maintenance Parts List
MOVA	Main Oxidizer Valve Actuator		Manipulation Positioning Latches
MOW	Mission Operations Wing		Mechanical Parts List
MOWG	Mission Operations Working Group		Minimum Power Level (65 percent)
MP	Management Package	MPLG	Materials Processing in Low Gravity
	Mass Properties	MLPN	Maintenance Planning (Data Base)
	Measuring Point	MPM	Manipulator Positioning Mechanism
	Medium Pressure		Materials Properties Manual
	Melting Point	MPMP	Mass Properties Management Plan
	Meteorology Panel	MPMSE	Multiuse Payload and Mission Support
	Mission Planner		Equipment
	Mod Package	MPP	Material Processing Procedure
MP&C	Maintenance Planning and Control	MPPSE	Multipurpose Payload Support
MPA	Mass Processing Analysis		Equipment
MPAC	Multipurpose Application Console	MPR	Maintainability Problem Report
MPAD	Mission Planning and Analysis		Management Program Review
	Division (JSC)		Mission Planning Room
MPB	Maintenance Parts Breakdown		Mockup Purchase Request

MPS	Main Propulsion System (Subsystem) Master Program Schedule Material Processing Specification Material Processing System Materials Processing in Space Megabits Per Second Modular Power System Mission Planning System	MRD	Material Review Disposition Mission Requirements Document
MPSE	Moreless Payload Specialist Experiment	MRDR	Material Review Disposition Record
MPSL	Materials and Process Specification List	MRE	Monopropellant Rocket Engine Motor Requirement Evaluation
MPSR	Mission Profile Storage and Retrieval Multipurpose Support Room	MRF	Maintenance Responsibility File Maximum Retarding Force Measurements/Stimuli Request Form
MPSS	Main Parachute Support Structure Mission Planning and Scheduling System Multiple Payload Support Structure	MRI	Measurement Requirements and Interface
MPT	Main Propulsion Test	MRIR	Moderate Resolution Imager Medium Resolution Infrared Radiometer
MPTA	Main Propulsion Test Article	MRL	Manipulator Retention Latches Manipulator Retention Lock Material Requirements List
MPTF	Main Propulsion Test Facility	MRMDF	Mobile Remote Manipulator Development Facility
MPTP	Main Propulsion Test Program	MRMS	Mobile Remote Manipulator System
MPTS	Multipurpose Tool Set	MRR	Mission Readiness Review Mission Reconfiguration Request
MPVA	Main Propellant Valve Actuator	MRS	Management Review System
MR	Main Ring Master Reset Material Review Mission Report Mixture Ratio	MRTC	Multiple Real-Time Commands
MRA	Main Ring Assembly Mechanical Readiness Assessment	MS	Machine Screw Machine Steel Man System Margin of Safety Mass Spectrometer Master Switch Material Specification Materials Science Mating Sequence and Control Milestone Military Standard (Parts Designation) Mission Specialist Mission Station Multistring
MRB	Material Review Board		
MRC	Measurement Requirements Committee		
MRCR	Measurement Requirement Change Request		

ms	Millisecond		Manned Space Flight
MS/MS	Material Science and Manufacturing in Space	MSFC	George C. Marshall Space Flight Center
MSA	Material Service Area	MSFN	Manned Space Flight Network
	Minimum Surface Area	MSFP	Manned Space Flight Program
MSA-1	Marshall Sprayable Ablator	MSG	Mechanical Subsystem Group
MSA-2	Improved Marshall Sprayable Ablator		Message
MSAD	Materials Summary Acceptance Document		Mission Support Group
MSB	Most Significant Bit	MSI	Maintenance Significant Items
MSE	Multiple Sample Exchanger		Medium Scale Integration
MSFLS	Microwave Scanning Beam Land Station	MSIA	Multispectral Image Analyzer
	Microwave Scanning Beam Landing System	MSID	Measurement Stimulation Identification
MSBLS-GS	MSBLS Ground Station	MSIS	Man Systems Integration Standard
MSC	Manned Spacecraft Center (changed to JSC)	MSK	Manual Select Keyboard
	Master Sequence Controller	MSL	Materials Science Laboratory
	Materials Service Center		Mean Sea Level
	Military Sealift Command	MSLD	Mechanical System(s) Laboratory
	Mobile Servicing Center	MSM	Missile
	Moding Sequencing and Control	MSN	Mass Spectrometer Leak Detector
MSCC	Manned Systems Control Center	MSO	Manned Support Module
MSCI	Mission Scientist	MSOB	Mission
MSCR	Measurement/Stimuli Change Request	MSOCC	Model for Spare(s) Optimization
MSD	MARS Supplemental Data		Manned Spacecraft Operations Building (O&C preferred)
MSDS	Multispectral Scanner and Data System	MSOCC	Multisatellite Operations Control Center
MSE	Maintenance Support Equipment	MSOIN	Minor Subcontractor or IDWA Notification
	Measuring and Stimuli Equipment	MSR	Module Support Rack
	Mechanical Support Equipment	MSS	Maintenance Status System
	Medical Support Equipment		Manufacturers Standardization Society
	Mission Staff Engineer		Mechanical Support Systems
	Multiple Sample Exchanger		Mission Specialist Station
MSEC	Master Separation Events Controller		Mission Status Summary
msec	Millisecond (ms preferred)		Mobile Service Structure
MSF	Maintenance Source File		Multispectral Scanner System

MSSTA	Multispectra Solar Telescope Array	MTBMA	Mean Time Between Maintenance Action
MST	Measurement Status Table	MTBR	Mean Time Between Replacement
	Mission Sequence Test	MTC	Man-Tended Capability
	Mobile Service Tower		Manual Traffic Control
	Module Service Tool		Master Thrust Control
	Module Systems Trainer		Master Thrust Controller
	Mountain Standard Time		Mission and Traffic Control
MSTR	Master	MTCA	Monitor and Test Control Area
MSU	Mass Storage Unit	MTCU	Magnetic Tape Control Unit
	Measuring Stimuli Units	MTD	Mounted
MSV	Monitored Sine Vibration (Test)	MTDSK	Magnetic Tape Disk
MSVP	Master Shuttle Verification Plan	MTE	Maintenance Test Equipment
MSW	Microswitch		Multisystem Test Equipment
MSWG	Materials Science Working Group	MTEC	Maintenance Test Equipment Catalog
MT/PMP	Mobile Transporter/Permanent Manned Presence	MTEE	Electrical Maintenance Test Equipment
MT	Magnetic Tape	MTEEC	Electronic Maintenance Test Equipment
	Master Timer	MTEF	Fluid Maintenance Test Equipment
	Master Tool	MTEM	Maintenance Test Equipment Module
	Maximum Torque		Mechanical Maintenance Test Equipment
	Mean Time		Mesosphere-Thermosphere Explorer Mission
	Mechanical Technician	MTEO	Optical Maintenance Test Equipment
	Metering Truss	MTF	Mississippi Test Facility (now NSTL)
	Mission Time	MTFO	Modular Training Field Option
	Mission Trajectory	MTG	Mounting
	Mobile Transporter	MTGP	Monitor Table Generator Program
	Mount	MTGW	Maximum Total Gross Weight
	Mountain Time	MTI	Morton Thiokol, Inc.
MTA	Magnetic Torquer Assembly	MTK	Mechanical Time Keeping
	Maintenance Task Analysis	MTL	Main Transfer Line
	Major Test Article		Material
	Marshall Trowelable Ablator	MTLP	Monitor Table Listing Program
	Mass Thermal Analysis	MTM	Methods Time Measurement
MTB	Materials Testing Branch		
MTBD	Mean Time Between Demand		
MTBF	Mean Time Between Failure		
MTBM	Mean Time Between Maintenance		

MTO	Magnetic Tape Operator Master Timing Oscillator Maximum Time Out Mission, Task, Objective Modification Task Outline	MUM	Mass Memory Unit Manager
MTOGW	Maximum Takeoff Gross Weight	MUMS	Multiple Use Marc System
MTOW	Maximum Takeoff Weight	MUR	Manpower Utilization Report
MTP	Manufacturing Technical Procedure Master Test Plan Mission Test Plan	MUSAT	Canadian Government Satellite
MTPE	Mission To Planet Earth	MUSS	Module Utility Support Structure
MTR	Magnetic Tape Recorder Motor	MUX	Multiplex, Multiplexer
MTS	Magnetic Tape Station (System) Master Timing System Metric Time System	MV	Manual Valve Manufacturing Verification
MTT	Maximum Touch Temperature	mV	Millivolt
MTTA	Mean Time to Accomplish	MVA	Main Valve Actuator Megavolt Ampere
MTTE	Mean Time to Exchange	MVAS	Multipurpose Ventricular Actuating System
MTTF	Mean Time to Failure	MVC	Manual Volume Control Master Volume Control
MTTFF	Mean Time to First Failure	MVF	Manned Vertical Flight
MTTR	Mean Time to Repair	MVGVT	Mated Vertical Ground Vibration Test
MTU	Magnetic Tape Unit Master Timing Unit Mobile Training Unit	MVI	Microgravity Vestibular Investigation
MTVC	Manual Thrust Vector Control Main Thrust Vector Control	MVM	Mariner Venus/Mercury
MTW	Maximum Taxi Weight	MVP	Master Verification Plan
MU	Master Unit Mobile Unit Mockup Multiple Unit	MVR	Maneuver
MUA	Material(s) Usage Agreement Maximum Usable Altitude	MVS	Middle Value Select Multiple Virtual Storage
MUF	Maximum Usable Frequency	MVT	Mission Verification Test
MULT	Multiple Multiply	MW	Man Week Microwave
		mW	Milliwatt
		MWB	Master Work Book
		MWG	Maintenance Analyzer Working Group
		MWP	Maximum Working Pressure
		MWPE	Mental Workload and Performance
		MWPR	Monthly Work Package Report
		MWR	Mean Width Ratio
		MWS	Molecular Wake Shield
		MWV	Maximum Working Voltage
		MX	Multiplex
		MY	Man Year

MYTA **Maintainability Task Analyses**
MYVAL **Maintainability Evaluation**
MZFW **Maximum Zero Fuel Weight**

N

N	Neutrons	NAP	Navigation Analysis Program
	Newton	NAR	Numerical Analysis Research
	North	NARC	North American Rockwell Corporation
N₂	Nitrogen	NARS	National Archives and Record Services
N₂H₄	Hydrazine	NAS	National Academy of Sciences
N₂HO₄	Nitrogen Peroxide		National Aircraft Standard
N₂O₄	Nitrogen Tetroxide		Naval Air Station
N&G	Navigation and Guidance (G&N preferred)	NASA	National Aeronautics and Space Administration
N/A	Next Assembly	NASCAD	NASA Computer Aided Design
	Not Applicable	NASCOM	NASA Communications (Network)
N/B	Narrow Band	NASDA	National Space Development Agency (of Japan)
N/C	Non-Concur	NASP	National Aerospace Plane
	Normally Closed	NASTRAN	NASA Structural Analysis
	Nose Cone	NATF	Naval Air Test Facility
	Not Critical	NATL	National
	Numerical Control	NAV	Navigate, Navigation
N/D	Need Date	NAVAID	Navigation Aid
N/O	Normally Open	NAVDAD	Navigationally Derived Air Data
N/P	Not Provided	NAVEX	Navigation Experiments (Spacelab D-1 Experiment)
N/W	Network	NAVPOOL	Navigation Parameter Common Pool
NA	Next Action	NAVSAT	Navigation Satellite
	Not Applicable	NAVSTAR	Navigational Star
NAAL	North American Aerodynamic Laboratory (Wind Tunnel)	NB	Narrow Band
NAC	Nacelle		Navigation Base
NACA	National Advisory Committee for Aeronautics		Neutral Buoyancy
NAEC	Naval Air Engineering Center		Nitrogen Base
NAFIS	NASA Accounting and Financial Information System		No-Bias (Relay)
NAM	National Association of Manufacturers	Nb	Niobium
NAOO	National Oceanic and Atmospheric Administration	NBF	Neutral Buoyancy Facility
		NBL	Neutral Buoyancy Laboratory
		NBS	National Bureau of Standards
			Neutral Buoyancy Simulator
		NBT	Neutral Buoyancy Trainer

NC	National Course No Change No Comment Noise Criteria Normally Closed Normal Corrective Maneuver Numerical Control	NEG	Negative
NC1	Nominal Correction 1 (Phasing Maneuver)	NEMS	NASA Equipment Management System
NCAR	National Center for Atmospheric Research (National Science Foundation Research Center)	NEP	Normal Entry Point
NCC	NASA Class Code Nominal Corrective Combination (Maneuver) Normal Corrective Combination (Maneuver)	NEPA	National Environmental Protection Act
NCFI	North Carolina Foam Insulation	NESC	National Electrical Safety Code
NCGS	Nuclear Criteria Group Secretary	NESR	Natural Environment Support Room
NCI	Phasing Maneuver	NET	NASA Employee Team Network (N/W preferred)
NCIU	Network Common Interface Unit	NETCOM	Network Communications
NCOS	National Commission on Space	NEWMAST	National Education Workshop for Math and Science Teachers
NCR	No Calibration Required Nonconformance/Failure Report	NEXUS	NASA Engineering Extendible United Software System
NCS	Nutation Control System	NF	Natural Flood Noise Figure
ND	NASA Document	NFCS	Nuclear Forces Communications Satellite
Nd	Neodymium	NFPA	National Fire Protection Association
NDE	Nondestructive Evaluation	NFS	Nozzle Flow Sensor
NDI	Nondestructive Inspection	NFSP	Nonflight Switch Panel
NDT	Nondestructive Test	NFW	Nonfuel Wasting
NDTF	Nondestructive Test Facility	NG	Narrow Gauge Nitrogen Gauge Nose Gear
NDTL	Nondestructive Test Laboratory	NGM	Nitrogen Generation Module
NEA	Noise Equivalent Angle	NGT	NASA Ground Terminal
NEBA	NASA Employee Benefit Association	NH	Nominal Height (Adjust Maneuver) Normal Height Adjustment Maneuver
NEC	National Electrical Code Nippon Electric Company	NH₃	Ammonia
NEEDS	NASA End-To-End Data System	NH₄	Hydrazine
		NHA	Next Higher Assembly
		NHB	NASA Handbook
		NHC	National Hurricane Center
		Ni	Nickel
		Ni-Ag	Nickel-Silver (preferred)
		Ni-Cd	Nickel Cadmium

NI-SIL	Nickel-Silver (Ni-Ag preferred)		Not for Off-KSC Distribution
NIA	NOVA Interface Adapter	No.	Number
NIB	Noninterference Basis	NO₂	Nitrogen Oxide (Nitrogen Dioxide)
NIC	Not in Contract	NOAA	National Oceanic and Atmospheric Administration
NICD	Nickel Cadmium (Ni-Cd preferred)		
NIDS	Network Interface Data System	NOC	Network Operation Control
NIL	No Limit (NL preferred)		Not Otherwise Coded
NIM	Nuclear Instrumentation Module		Notation of Content
NIP	Network Input Processor	NOCC	Network Operations Control Center
	Network Interface Processor	NOCR	Network Operations Control Room
	Nipple	NOES	National Operational Environmental Satellite Serv.
NJAD	Nozzle Joint Assembly Demonstration		
NJES	Nozzle Joint Environment Simulator	NOM	Network Output Multiplexer
NJP	Network Job Processing		Nominal
NL	No Limit	NOOS	Navy Oceanographic Observations from Space
	Nose Left		
NLA	Next Lower Assembly	NOR	Normal
NLG	Nose Landing Gear		Northrup Flight Strip, NM (Deorb OPT Site)
NLT	Not Later Than		
	Not Less Than	NORAD	North American Air Defense Command
NM	Nautical Miles	NORDSAT	Scandinavian Countries Broadcast Satellite
	Network Manager (GSFC)		
	Nonmetallic	NORM	Normal
nm	Nanometer	NOSL	Night/Day Optical Survey of Thunderstorm Lightning
NMAB	National Materials Advisory Board	NOSP	Network Operations Support Plan
NMC	National Meteorological Center	NOSS	National Oceanic Survey Satellite
NMI	NASA Management Instruction	NOZ	Nozzle
	Nautical Miles	NP	Neptunium
NMO	Normal Manual Operation		Network Program
NMR	Nuclear Magnetic Resonance		Not Provided
NMT	Not More Than	NPC	NASA Publication Control
	Notification of Master Tool		Nitrogen Purge Control
NMV	Nitrogen Manual Valve		Normal Plane Change Maneuver
NNI-I	NASA Standard Initiator-Type I (was SMSI)	NPD	NASA Policy Directive
NO	Nitric Oxide (Nitrogen Monoxide)		Nominal Percent Defective
	Normally Open	NPDS	Nuclear Particle Detection Subsystem

NPF	NAVSTAR Processing Facility	NSN	NASA Science Network
NPL	Normal Power Level (see RPL)		National Stock Number
NPN	NASA Part Number	NSO	NASA Support Operation
NPRV	Nitrogen Pressure Relief Valve	NSP	NASA Support Plan
NPS	NASA Planning Studies		Network Signal Processor
NPSH	Net Positive Suction Head	NSPARS	Nonstandard Parts Approval Request
NPSP	Net Positive Static Pressure	NSPL	NASA Standard Parts List
	Net Positive Suction Pressure	NSR	National Slow Rate
NPU	Nitrogen Purge Unit		Nominal Slow Rate
NPV	Nitrogen Pressure Valve		Normal Slow Rate (Maneuver)
NR	Noise Rating	NSR1	First Coelliptic Maneuver
	Nose Right	NSR2	Second Coelliptic Maneuver
	Not Required	NSRS	NASA Safety Reporting System
NR/T	Near Real-Time	NSS	Nitrogen Supply Subsystem
NRC	National Research Council	NSSC	NASA Standard Spacecraft Computer
	Nonrecurring Costs	NSSDC	National Space Science Data Center
NRCC	National Research Council of Canada	NST	Node Systems Trainer
NREDC	National Rocket Engine Development Complex	NSTS	National Space Transportation System
NRI	Nonrecurring Investment	NSW	NSP Status Word
NRL	Naval Research Laboratory	nt	Newton
NRM	Nonrecurring Maintenance	NTIS	National Technical Information Service
	Nuclear Radiation Monitor	NTO	Nitrogen Tetroxide
NRP	Normal Rated Power	NTP	Network Test Panel
NRS	Nonconformance Reporting System		Normal Temperature and Pressure
NRT	Near Real-Time		Notice To Proceed
NRTS	Non Repairable at This Station	NTR	Nuclear Thermal Rocket
NRZ	Non-Return-to-Zero	NTS	Near Term Schedule
NRZ-L	Non-Return-to-Zero Level		Not to Scale
NS	Nickel Steel	NTSO	NASA Test Support Office
	Not Switchable	NTTF	Network Test and Training Facility
	Nuclear Shuttle	NUL	Non-GSE Utilization List
NSA	National Standards Association	NUSAT	Northern Utah Satellite
NSD	NASA Standard Detonator	NVAFB	North Vandenberg Air Force Base
NSF	National Science Foundation	NVB	Navigational Base
NSI-I	NASA Standard Initiator-Type I (was SMSI)	NVPOWG	NASA/VAFB Payload Operations Working Group

NVR No Voltage Release
Nonverification Required
Nonvolatile Residue

NW NASA Waiver
Nose Wheel

NWS National Weather Service
Nose-Wheel Steering

NWSA Nose Wheel Steering Amplifier

NWSI New World Services Inc.

NWT Nonwatertight

NWW Nose Wheel Well

NX Normal to X-Axis
Nose to X-Axis

NY Normal to Y-Axis
Nose to Y-Axis

NZ Normal Acceleration
Normal Load Factor (g)
Normal to Z-Axis
Nose to Z-Axis

NZB Non-Zero Binary

O

O	Omicron	OAA	Orbiter Access Arm
	Out		Orbiter Alternate Airfield
O₂	Oxygen	OAET	Office of Aeronautics, Exploration, and Technology
O&C	Operation and Checkout	OAFD	Orbiter Air Flight Deck
	Operation(s) and Checkout (Building—was MSOB)	OAFTO	Orbiter Atmospheric Flight Test Office
O&FS	Operations and Flight Support	OAL	Overall Level
O&IA	Operations and Integration Agreement	OALC	Ogden Air Logistics Center
O&M	Operation and Maintenance	OAMS	Orbital Attitude and Maneuvering System
O&P	Operations and Procedures	OANC	Orbiter Ancillary
O&R	Overhaul and Repair	OAO	Orbiting Astronomical Observatory
O-NAV	Onboard Navigation	OART	Office of Advanced Research and Technology
O/B	Onboard	OAS	Office Automation System
	Operational Base		Orbiter Aeroflight Simulator
O/C	Operations Critical		Orbiter Atmospheric Simulator
O/D	On Dock		Orbiter Avionics System
	Outside Diameter	OASCB	Orbiter Avionics Software Control Board
O/E	Output Electronics	OASIS	Oceanic and Atmospheric Scientific Information System
O/ET	Orbiter/External Tank		Orbiter Experiments Program Autono- mous Supporting Instrumentation System (flown on STS-29)
O/F	Oxidizer-to-Fuel Ratio	OASPL	Overall Sound Pressure Level
O/L	Overload	OAST	Office of Aeronautics and Space Tech- nology (Now OAET)
O/L-RC	Overload-Reverse Current	OAT	Operational Acceptance Test
O/O	On Orbit		Overall Test
O/R	Outside Radius	OB	Onboard
	Oxygen Relief		Operational Base
O/V	Overvoltage		Optical Bench
O/V-U/V	Over Voltage/Under Voltage		Outboard
OA	Office of Applications (now OSTA)	OBC	Onboard Computer
	Operational Aft (DSC or MOM)	OBCO	Onboard Checkout (Instrumentation)
	Operational Instrumentation MDM- Aft	OBCS	Onboard Checkout Subsystem
	Orbital Assembly		
	Output Axis		
	Overall		

OBS	Observe, Observer Operational Bioinstrumentation System Operational Biomed Sensors Operational Biomedical System	OD	Operations Directive Operational Downlink/Downlist Outside Diameter Oxygen Drain
OBV	Oxidizer Bleed Valve	ODB	Operational Data Book
OC	On Center On-Condition Open Circuit Operations Controller Orbital Check Operations Coordinator Overcurrent	ODC	Other Direct Costs
OCALC	Oklahoma City Air Logistics Center	ODCDR	Orbiter Delta CDR
OCC	Office of Contract Compliance Operations Control Center	ODDS	Operational Data Delivery Services
OCD	Operational Capability Development	ODES	Optical Discrimination Evaluation Study
OCDR	Orbiter Critical Design Review	ODF	Operations Data File Orbit Determination Facility
OCDU	Optics Coupling Data Unit (G&N)	ODIN	Orbital Design Integration (System)
OCE	Ocean Color Experiment Optical Control Electronics	ODP	Operational Display Procedure
OCF	Onboard Computational Facility Orbiter Computational Facilities	ODR	Output Data Redundancy
OCGF	Organic Crystal Growth Laboratory Facility	ODRAN	Operational Drawing Revision Advance Notice
OCH	Orbiter Common Hardware	ODU	Output Display Unit
OCM	Organic Content Monitor	OEAS	Orbital Emergency Arresting System
OCN	Order Control Number	OECO	Outboard Engine Cutoff
OCO	OMS Cutoff Open-Close-Open	OEM	Original Equipment Manufacturer
OCP	Output Control Pulse	OES	Orbiter Emergency Site
OCR	Optical Character Recognition	OESS	Orbiter/ET Separation Subsystem
OCRM	Orbiter Crash and Rescue Manuals	OEX	Orbiter Experiments
OCS	Onboard Checkout System Optical Control System	OEXP	Office of Exploration
OCT	Octal, Octave	OF	Operational FWD DSC or MDM Operational Instrumentation MDM- FWD Orbital Flight Outside Face Oxidizer-to-Fuel Ratio Oxygen Fill
		OFCC	Office of Federal Contract Compliance
		OFDS	Orbiter Flight Dynamics Simulator Oxygen Fluid Distribution System
		OFI	Operational Flight Instrumentation Orbital Flight Instrumentation

OFK	Official Flight Kit Optical Flight Kit	OIA	Orbiter Instrumentation Office of International Affairs
OFM	Original Equipment Manufacturer		Orbiter Interface Adapter
OFFP	Operational Flight Profile Operational Flight Program Orbiter Flight Program	OIB	Orbiter Interface Box
OFS	Orbital (Orbiter) Flight System Orbiter Functional Simulator	OIC	Orbiter (Orbital) Integrated Checkout
OFT	Orbital Flight Test	OIG	Office of Inspector General
OFTDS	Orbital Flight Test Data System	OII	Operations Integration Instruction
OFTM	On-Orbit Flight Technique Meeting	OIO	Operations Integrations Officer
OFTR	Orbital Flight Test Requirement	OIR	Operations Integration Review
OG	Outer Gimbal (Roll) Oxygen Gauge Zero Gravity	OIS	Operational Intercommunication System
OGA	Outer Gimbal Angle Outer Gimbal Axis		Orbiter Insertion Stage
OGV	Operating Ground Equipment	OISR	Orbiter Instrumentation Systems Open Item Status Report
OGMT	Orbiter Greenwich Mean Time	OISSP	Office of Interim Space Station Program
OGO	Orbiting Geophysical Observatory	OIT	Orbiter Integrated Test
OGS	Optical Grating Spectrometer Outer Glideslope Oxygen Generation System	OIV	Oxidizer Isolation Valve
OGV	Oxygen Gauge Valve	OIVS	Orbiter Interface Verification Set
OH	Overhaul Overhead	OJT	On-the-Job Training
OHA	Operational Hazard Analysis Orbital Height Adjustment Maneuver	OL	Open Loop Operational Left DSC or MDM Overlay Overload
OHC	Onboard Hard Copier Optics Hand Controller	OLDB	On-Line Data Bank
OHF	Occupational Health Facility	OLF	Orbiter Landing Facility (now SLF)
OHGVT	Orbiter Horizontal Ground Vibration Test	OLIF	Orbiter Landing Instrumentation Facilities
OHMM	Ohmmeter	OLOW	Orbiter Lift-Off Weight
OI	Operational Instrumentation Operations Interface Orbiter Insertion	OLSA	Orbiter/LPS Signal Adapter
		OLSP	Orbiter Logistics Support Plan
		OM	Operational Mid DSC or MDM Optical Master Outer Marker (ILS)
		OMA	Operations Maintenance Area Operations Management Application Orbiter Maintenance Area
		OMB	Office of Management and Budget

OMBUU	Orbiter Midbody Umbilical Unit		Operations Management Room
OMC	Orbiter Maintenance and Checkout		Orbiter Management Review
OMCF	Operations and Maintenance Control File	OMRB	Operating Material Review Board
	Orbiter Maintenance and Checkout Facility	OMRC	Operational Maintenance Requirements Catalog
OMD	Operations and Maintenance Documentation	OMRF	Orbiter Maintenance and Refurbishment Facility
	Orbiter Mating Device	OMRP	Operations and Maintenance Requirements Plan
OMDR	Operations and Maintenance Data Record	OMRS	Operations and Maintenance Requirements Specification
OMDR1	Operations and Maintainability Data Record	OMRSD	O&M Requirements and Specification Documentation
OME	Orbital Main Engine		Operational Maintainability Reporting Systems Document
	Orbital Maneuvering Engine		Operational Maintenance Requirements and Specifications Document
	Orbiter Main Engine	OMRSP	Operations and Maintenance Requirements and Specification Document
OMET	Orbiter Mission Elapsed Time	OMS	Operations Management System
OMEWG	Orbiter Maintenance Engineering Working Group		Orbital Maneuvering Subsystem (System)
OMI	Operations and Maintenance Instruction	OMSF	Office of Manned Space Flight (now OSTS)
OMIS	Operational Management Information System	OMSP	Operational Maintenance Support Plan
OMISS	Operation and Maintenance Instruction Summary Sheet(s)	OMU	Optical Measuring Unit
OML	Orbiter Mold Line	OMV	Orbital Maneuvering Vehicle
	Outer Mold Line		Oxygen Manual Valve
	Outside Mold Line	ONBD	Onboard
OMMH	Orbiter Maintenance Man-Hours	ONBT	Orbiter Neutral Buoyancy Trainer
OMNI	Omni-Range	OND	Operator Need Date
	Omnidirectional	ONR	Office of Naval Research
OMP	Operations and Maintenance Plan	OOD	Orbiter On-Dock
OMPR	Operational Maintainability Problem Reporting	OODP	Out-of-Detent Pitch
OMPT	Observed Mass Point Trajectory	OODR	Out-of-Detent Roll
OMR	Operations and Maintenance Requirements	OOMM	Organizational Operations and Maintenance Manual

OOP	Out of Position	OPPF	Operation of Property and Pressurization Facility
OOS	On-Orbit Station	OPPL	Orbiter Project Parts List
	Orbit-to-Orbit Shuttle	OPR	Office of Primary Responsibility
	Orbit-to-Orbit Stage		Operations Planning Review
OOSDP	On-Orbit Station Distribution Panel		Operator
OOT	Out of Tolerance		Orbiter/Payload Recorder
OP	Open		Oxygen Pressure Regulator
	Operate	OPRV	Oxygen Pressure Relief Valve
	Operation	OPS	Operations
	Oxygen Purge		Operations Sequence
OPA	Operations Planning Analysis		Orbiter Project Schedules
OPB	Oxidizer Preburner		Oxygen Purge System
OPCG	Organic Polymer Crystal Growth	OPSB	Orbiter Processing Support Building
OPDAR	Optical Detection and Ranging	OPSR	Operations Supervisor (GSTDN Site)
OPE	Other Project Element	OPSS	Orbital Propellant Storage Subsystem
OPER	Operation	OPT	Operational Pressure Transducer
	Operations, Operate, Operator		Optics
OPF	Orbiter Processing Facility		Optimum
OPFC	Orbiter Preflight Checklist		Option
OPGUID	Optimum Guidance (Technique)	OPTB	Operational Program Time Base
OPI	Orbiter Payload Interrogator		Opposite
OPIDF	Operational Planning Identification File	OR	Operational Right DSC or MDM
OPIS	Orbiter Prime Item Specification		Operational Recorder
OPL	Open Problem List		Operations Requirement
	Operational		Operations Review
OPLF	Orbiter Processing and Landing Facility		Operations Room
OPNS	Operational Phase		Outer Roll
OPO	Orbiter Project(s) Office		Oxygen Relief
OPOV	Oxidizer Preburner Oxidizer Valve	ORB	Orbit, Orbital, Orbiter
OPOVA	Oxidizer Preburner Oxidizer Valve Actuator		Order
OPP	Opportunity	ORB 1-g	Orbiter 1-g (trainer)
	Opposite	ORCHIS	Oak Ridge Computerized Hierarchical Information System
OPPAR	Orbiter Project(s) Parts Authorization Request		

ORD	Operational Readiness Date Operational Ready Data Operational Requirements Document Orbital Requirements Document Ordnance	OSCRS	Orbital Spacecraft Consumables Resupply System
ORE	On-Orbit Repair Experiment	OSDH	Orbiter System Definition Handbook
ORDC	Orbiter Data Reduction Center	OSE	Operating Support Equipment Orbiter Support Equipment
ORF	Orifice	OSF	Office of Space Flight (now OSTS) Ordnance Storage Facility
ORG	Organization	OSHA	Occupational Safety and Health Act (Activity) Occupational Safety and Health Administration
ORI	Operational Readiness Inspection	OSLM	Operations Shop/Lab Manager
ORIDE	Override	OSM	Orbital Service Module
ORIEN	Orientation	OSMP	Operational Support Maintenance Plan
ORIG	Origin	OSO	Ocean Systems Operation Orbiting Solar Observatory
ORLA	Optimum Repair Level Analysis	OSOP	Orbiter Systems Operating Procedures
ORP	OFS Retransmission Processor	OSP	Operations Support Plan
ORR	Operational Readiness Review Operations Requirements Review Orroral Valley, Australia (STDN)	OSR	Operations Support Room
ORS	Orbital Refueling System	OSS	OEX Support System Office of Space Science Office of Space Station Optics Subsystems Orbiting Space Station
ORSA	Ogive Recovery System Assembly	OSSA	Office of Space Science and Applications
ORSDI	Oak Ridge Selective Dissemination of Information	OSSRH	Orbiter Subsystem(s) Requirements Handbook
ORT	Operational Readiness Test Orbit Readiness Test	OST	Operations Support Team (GSFC) Orbiter Support Trolley
ORTHOG	Orthogonal	OSTA	Office of Space and Terrestrial Application(s)
ORUC	Orbital Replacement Unit Carrier	OSTDS	Office of Space Tracking and Data Systems
ORU's	Orbital Replacement Units	OSTO	Office of Space Transportation Operations
OS	On-Orbit Station Operating Software Operating System Optics Subsystem Orbital Servicing Orbiter CEI Specification		
OSA	Operational Support Area		
OSC	Operations Support Center Orbital Sciences Corporation Oscillator		

OSTP	Office of Science and Technology Policy Orbiting System Test Plan	OTS	Off-the-Shelf Orbiter Test Conductor
OSTS	Office of Space Transportation Systems	OTT	Optional Team Targeting
OT	Operating Time Operational Instrumentation MDM— Tank Operational Test Operational Trajectory Optical Tracker Out Temperature Overtime	OTV	Operational Television Orbiter Transfer Vehicle
OT&E	Operational Test and Evaluation	OUCD	Operations Utilization and Capability Development
OTA	Optical Telescope Assembly	OUP	OFS Uplink Processor
OTB	Orbiting Tanker Base	OUT	Orbiter Utilities Tray Outlet Output
OTBD	Outboard	OUTBD	Outboard
OTBV	Oxidizer Turbine Bypass Valve	OV	Orbiter Vehicle Oxygen Vent
OTC	Orbiter Test Conductor	OVBD	Overboard
OTD	Operational Technical Documentation Orbiter Test Director	OVCO	Operational Voice Communication Office
OTDA	Office of Tracking and Data Acquisition (now OSTDS)	OVF	Overfill
OTEMP	Overtemperature	OVFL	Overflow
OTF	Ocean Test Fixture Orbital Test Flight	OVHD	Overhead
OTG	Objective Transmission Grating	OVHT	Overheat
OTH	Over-the-Horizon (Radar)	OVI	Operational Validation Inspection
OTK	Oxidizer Tank	OVL	Overload
OTL	Ordnance Test Laboratory	OVRD	Override
OTLC	Orbiter Timeline Constraints	OVS	Operational Voice System
OTO	One-Time-Only	OVV	Overvoltage
OTOS	Orbit-to-Orbit Stage	OW	Optical Window
OTP	Operational Test Procedure Operations Test Plan Operations Turnaround Plan	OWD	One-Way Doppler
OTR	Operating Time Record Outer	OWDE	One-Way Doppler Extraction
		OWF	Optimum Working Frequency
		OWS	Operations Work Station Optical Witness Sample
		OX	Oxidizer
		OXD	Oxide, Oxidizer
		OXDZR	Oxidizer
		OXID	Oxidizer
		OXY	Oxygen

OZ Ozone
oz Ounce

P

P Pallet (Spacelab)
Period
Pilot
Pitch
Pole
Pressure
Primary
Prime
Roll Rate (Angular Rate)

P&FS Particles and Fields Subsatellite

P&I Performance and Interface (Specification)

P&M Performance Monitor
Phase Modulation (Modulated)
Planetary Mission
Preventive Maintenance
Processes and Materials
Program Milestone
Pulse Modulation

P&R Performance and Resources

P&SM Procurement and Subcontract Management

P&W Pratt and Whitney

P-BAND 225 to 390 MCS

P-P Peak-to-Peak (Value)

P-TUBE Pneumatic Tube

P-WEAR Preliminary Work Breakdown Structure Element Audit Review

P/A Problem Analysis
Propulsion/Avionics

P/B Preburner
Pushbutton

P/C Pitch Control

P/L Parts List
Payload
Postlanding
Purchased Labor

P/N Part Number

P/P Patch Panel
Printer/Plotter

P/PL Primary Payload

P/S Parallel to Serial Converters
Payload Specialist

P/Y Pitch/Yaw

PA Pad Abort
Paging and Area Warning
Power Amplifier
Product Assurance
Public Address
Public Affairs
Pulse Amplifier

PABX Private Automated Branch Exchange

PAC Pressure Alpha Center
Probe Aerodynamic Center
Problem Action Center
Problem Assessment Center

PACAS Personnel Access Control Accountability System

PACC Problem Action Control Center

PACE Prelaunch Automatic Checkout Equipment

PACS Payload Actuation and Control System
Pointing and Attitude Control System

PAD Preliminary Advisory Data (Crew Data Uplink)
Program Approval Document
Propellant Acquisition Device

PAE Preventive Action Engineer
Problem Assessment Engineer

PAF	Payload Attach Fitting Peak Annual Funding	PASS	Planning and Scheduling System Primary Avionics Software System
PAFB	Patrick Air Force Base	PAT	Problem Action Team Production Acceptance Test
PAH	Payload Accommodations Handbook	PATH	Postflight Attitude and Trajectory History
PAL	Protuberance Aerodynamic Load	PATIE	Pointing and Tracking Integrated Experiment
PAL APA	Indonesian Communications Satellite	PATP	Preliminary Authority To Proceed
PALS	Photo Area and Location System Precision Approach and Landing Sys- tem	PATS	Program for Analysis of Time Series Programmable Automatic Test System
PAM	Particle Anticoincidence Mantle Payload Assist Module Pulse Amplifier Modulation Pulse Amplitude Modulation	PAU	Probe Aerodynamic Upper
PAM-A	PAM, Atlas-Centaur Class Spacecraft	PAV	Pneumatic Actuated Valve Pressure Actuated Valve
PAM-D	PAM, Delta Class Spacecraft	PAX	Passengers
PAM-DII	Payload Assist Module-Delta Class 2	PAYCOM	Payload Command Payload Command Controller
PAMB	Pressure Ambient	PAYDAT	Payload Data
PAN	Polyacrylonitrile	PB	Phonetically Balanced Playback Preburner (P/B preferred) Pushbutton
PAO	Public Affairs Office (Officer)	PBAN	Polybutadiene Acrylonitrile (Pro- pellant)
PAP	Payload Activity Planner Product Assurance Plan	PBD	Payload Bay Door
PAPI	Precision Approach Path Indicator	PBDF	Payload Bay Door FWD
PAR	Payload Accommodations Require- ments Planning Action Request Precision Approach Radar Problem Accountability Record Problem Action Record Problem Action Request Product Acceptance Review	PBDM	Payload Bay Door Mechanism
PARA	Paragraph	PBI	Push Button Indicator
PARAM	Parameter	PBIC	Programmable Buffer Interface Card
PARLIQ	Phase Partitioning in Liquids	PBIM	Programmable Buffer Interface Module
PARS	Property Accountability Record System	PBK	Payload Bay Kit
PAS	Payload Accommodation Studies Primary Ascent System Problem Assessment System	PBL	Payload Bay Liner
		PBM	Power Balance Model Program Business Management
		PBP	Preburner Pump
		PBPS	Post-Boost Propulsion System(s)
		PBW	Proportional Band Width

PC	Pressure Chamber Personal Computer Pitch Control Plane Change Planetary Camera Power Converter Printed Circuit (Card) Project Control Pulsating Current	PCG	Phonocardiogram Protein Crystal Growth
PCA	Payload Clamp Assembly Physical Configuration Audit Pitch Control Assembly Pneumatic Control Assembly Point of Closest Approach Power Control Assembly	PCGE	Protein Crystal Growth Experiment
PCASS	Program Compliance Assurance and Status System	PCH	Program Critical Hardware
PCB	Power Circuit Breaker Power Control Box Printed Circuit Board Product Configuration Baseline	PCI	Peripheral Controller Interface Procedure Change Unit Production Configuration Identification Program Control Input
PCC	Pad Control Center Payload Control and Checkout Production Control Centers	PCIL	Pilot-Controlled Instrument Landing
PCCB	Program Configuration Control Board	PCIN	Program Change Identification Number Program Change Incorporation Notice Program Change Integration
PCCE	Particle Cloud Combustion Experiment Payload Common Communication Equipment	PCL	Pallet Coolant Loop Power Control List Primary Coolant Line Primary Coolant Loop Programming Check List
PCCM	Program Change Control Management	PCM	Power Control Mission Pulse Code Modulation Pulse Code Modulator Punch Card Machine
PCCN	Provisioning Contract Control Number	PCMD	Pulse-Code Modulation, Digital
PCCP	Preliminary Contract Change Proposal	PCME	Pulse-Code Modulation Event
PCD	Procurement Control Document	PCMMU	PCM Master Unit Pulse-Code Modulation Master Units
PCDA	Process Control and Data Acquisition	PCMS	Pulse-Code Modulation Shared
PCDU	Payload Command Decoder Unit	PCN	Page Change Notice Program Change Notice Program Control Number
PCEM	Propulsion Contamination Effects Module	PCO	Postcheckout Postcheckout Operations Procuring Contracting Officer Program Controlled Output
PCF	Payload Control Facility	PCOT	Payload Center Operations Team

PCP	Power Control Panel Program Change Proposal Project Change Proposal Project Cost Plan	PD	Pitch Down Preliminary Design Procurement Document Procurement Drawing Program Development Program Directive Project Directive Propellant Dispersal
PCR	Payload Certification Review Payload Changeout Room Payload Checkout Room Power Change Request Program Change Request Project Control Room Publication Change Request	PD&RS	Payload Deployment and Retrieval Subsystem
PCRB	Program Change Review Board (RI Launch Operations)	PDA	Power Distribution Assembly Preliminary Design Audit Propellant Drain Area
PCS	Payload Checkout System Payload Control Supervisor Pointing Control System Power Conversion System Pressure Control System Primary Coolant System Procedure Completion Sheet	PDAR	Program Description and Requirements
PCT	Percent	PDB	Performance Data Book Power Distribution Box Project Data Base
PCTC	Payload Crew Training Complex	PDC	Predefined Command Procurement Document Change
PCTE	Portable Commercial Test Equipment	PDCR	Proprietary Data Control Record
PCTO	Payload Cost Tradeoff Optimization	PDCS	Power Distribution and Control System (Subsystem)
PCU	Payload Checkout Unit Power Control Unit Pressure Control Unit Process Control Unit	PDH	Pocket Dosimeter-High
PCV	Precheck Verification Purge Control Valve	PDI	Payload Data Interleaver Payload Deployment and Retrieval System
PCVB	Pyro Continuity Verification Box	PDIP	Program Development Integration Plan
PCVL	Pilot Controlled Visual Landing	PDL	Pocket Dosimeter-Low Procedure Distribution List Program Design Language
PCZ	Physical Control Zone	PDM	Processor Data Monitor Pulse Duration Modulation
		PDM/FM	Pulse Duration Modulation/Frequency Modulation
		PDMR	Program Director's Management Review

PDP	Plasma Diagnostics Package Postinsertion Deorbit Preparation Postinsertion Deorbit Prep Checklist Preliminary Definition Plan Procurement Data Package Program Development Plan Project Definition Phase	PDV	Pressure Disconnect Valve
		PE	Perkin Elmer Project Engineer
		PEAP	Personal Egress Air Packs
		PEB	Performance Evaluation Board
		PED	Payload Element Developer Pedal Pedestal Platform Equipment Deck
PDR	Preliminary Data Requirements Preliminary Design Review Process Description Report Processed Data Recorder Program Design Review Program Director's Review	PEFO	Payload Effects Follow-on Study
		PEIR	Project Equipment Inspection Record
		PEL	Precision Elastic Limit
		PEM	Plant Engineering and Maintenance
PDRD	Procurement Data Requirements Document Program Definition and Requirements Document	PEN	Penicillin
		PEP	Power Extension Package
		PER	Perigee Period Preliminary Engineering Report
PDRL	Procurement Data Requirements List		
PDRM	Payload Deployment and Retrieval Mechanism	PERD	Payload Element Requirements Document
PDRS	Payload Data and Retrieval System Payload Deployment and Retrieval System(s)	PERF	Perform, Performance
		PERM	Permanent
PDRSS	Payload Development and Retrieval System Simulator	PERT	Program Evaluation Review Technique
		PES	Post Ejection Sequencer
PDRSTA	Payload Deployment and Retrieval System Test Article	PET	Phase Elapsed Time
		PETA	Performance Evaluation and Trend Analysis
PDS	Package Data System Partitioned Data Set Power Distribution System (Subsystem) Problem Data System	PETB	Preflight Test Bus
		PETN	Petaerythrite Tetranitrate
PDU	Performance Diagnostic Unit Pilot Display Unit Power Drive Unit Pressure Distribution Unit Pulse Detection Unit	PETS	Payload Environmental Transportation System P/L Experiment Test System (KSC) POCC Experiments Timeline System (GDSD and Spacelab)

PF	Parachute Facility	PG	Power Generation
	Payload Forward		Pressure Gauge
	Payload Function	PGA	Power Generating Assembly
	Payload Operational Instrumentation		Pressure Garment Assembly
	MDM-FWD		Programmable Gain Amplifier
	Power Factor	PGC	Plant Growth (unit)
	Powered Flight		Plant Growth Chamber
	Preflight	PGCP	Particles and Gases Contamination
	Prime Function		Panel
	Probability of Failure	PGDCS	Power Generation, Distribution, and
	Pulse Frequency		Control Subsystem
PFA	Palmdale Final Assembly	PGE	Purge
PFB	Payload Feedback	PGHM	Payload Ground Handling Mechanism
	Payload Forward Bus	PGM	Program(able)
	Position Feedback	PGNCS	Primary G&N and Control System
	Pressure Fed Booster		(Subsystem)
PFC	Performance Flight Certification	PGOR	Payload Ground Operation Require-
	Postflight Checkout		ments
	Power Factor Corrector	PGORS	Payload Ground Operations Require-
	Preflight Certification		ments Study
	Preliminary Flight Certification	PGOWG	Payload Ground Operations Working
PFCF	Payload Flight Control Facility		Group
PFCS	Primary Flight Control System	PGR	Spacelab Planning and Ground Rule
PFK	Payload Function Key	PGRWG	Payload Ground Requirements Work-
PFL	Primary Freon Loop		ing Group
PFM	Platform	PGS	Power Generation Subsystem
	Pulse Frequency Modulation	PGSE	Payload Ground Support Equipment
PFP	Program Financial Plan	PGSM	Payload Gimbal Separation Mechanism
	Programmable Functional Panel	PGU	Plant Growth Unit
PFR	Portable Foot Restraint	PGWG	Particles and Gasses Working Group
PFRT	Preliminary Flight Rating Test	PH	Personal Hygiene
PFRX	Preflight Relmat (X-1,2,3...9 or		Phase
	A,B,C...Z)	pH	Hydrogen-Ion Concentration
PFS	Percent Full Scale		(Alkalinity)
	Primary Flight System	PHA	Preliminary Hazard Analyses
PFTA	Payload Flight Test Article		Pulse Height Analyzer

PHCF	Pituitary Growth Hormone Cell Function	PICA	Pyrotechnic Initiator Control Assembly
PHF	Personal Hygiene Facility Payload Handling Fixture	PICP	Program Interface Control Plan
PHK	Personal Hygiene Kit	PICRS	Program Information Control and Retrieval System
PHM	Per Hundred Million		Program Information Coordination and Review Service
PHMC	Probe Heater Motor Controller	PICS	Photo Index and Cataloging System
PHOTO	Photograph Photography of Mexico		Predefined Input Control Sequence
PHOTONS	Photometric Thermospheric Oxygen Nightglow Study	PID	Parameter Identification Payload Insertion Device Program Information Document Program Introduction Document
PHP	Payload Handling Panel	PIDA	Payload Installation and Deployment Aid
PHR	Payload Hazardous Report	PIDS	Portable Image Display System
PHS	Payload Handling Station	PIE	P/L Integration Equipment
PHS&T	Packaging, Handling, Storage, and Transportation	PIECP	Preliminary Impact Engineering Change Proposal
PHSF	Payload Hazardous Servicing Facility (KSC)	PIF	Payload Integration Facility
PI	Payload Interrogator Pen and Ink (Document Update) Preliminary Investigation Principal Investigator Procurement Item Program Introduction	PIGA	Pendulous Integrating Gyro Accelerometer
PIA	Preinstallation Acceptance Project Impact Analysis Project Initiation Agreement	PII	Procurement Instrument Identification
PIAR	Project Impact Analysis Report	PIIN	Procurement Instrument Identification Number
PIB	Pyrotechnic Installation Building	PIM	Pulse Interval Modulation
PIC	Payload Integration Center Payload Integration Committee Preinstallation Checkout Programmable Interval Clock Pyro Ignition Control Pyro Initiator Capacitors Pyro Initiator Controller Pyrotechnic Initiator Controller	PIND	Particle Impact Noise Detection Payload Integration Plan
		PIO	Pilot-Induced Oscillation Public Information Office
		PIP	Payload Integration Plan Payload Interface Plan Plant Instrumentation Program Production Instrumentation Package Professional Intern Program Project Implementation Plan

PIPA	Pulse Integrating Pendulum Accelerometers Pulse Integrating Pendulum Assembly	PLDS	Payload Support
PIRN	Preliminary Interface Revision Notice	PLGSS	Payload Ground Support Systems
PIT	Preinstallation Test	PLH	Payload Handling
PITG	Payload Integration Task Group	PLI	Payload Interrogator
PITS	Payload Integration Test Set	PLISN	Provisioning List Item Sequence Number
PIU	Power Interface Unit Pyrotechnic Initiator Unit	PLL	Phase Locked Loop
PIV	Peak Inverse Voltage	PLM	Payload Management Payload Monitoring
PK	Peak (Valve) Prozesskammer (Spacelab D-1 Experiment)	PLMS	Program Logistics Master Schedule
PK/PK	Peak to Peak	PLN	Plan Program Logic Network
PKD	Programmable Keyboard and Display	PLRD	Payload Requirements Document
PKG	Package	PLRV	Payload Launch Readiness Verification
PKM	Perigee Kick Motor	PLS	Payload Systems Post Landing and Safing Preliminary Landing Site Primary Landing Site Propellant Loading System Pulse
PKT	Pocket	PLSL	Propellants and Life Support Laboratory
PL	Payload (P/L preferred) Plate Plug Postlanding (P/L preferred) Prelaunch	PLSP	Payload Signal Processor
PL/SNSR	Payload Sensor	PLSS	Portable Life Support Subsystem Primary Life Support Subsystem
PLA	Parachute Location Aid	PLT	Pilot Production Lead Time
PLACE	Position Location Aircraft Communications Equipment	PLTS	Precision Laser Tracking System
PLAST	Propellant Loading All Systems Test	PLUM	Payload Umbilical Mast
PLAT	Platform	PLV	Postlanding Vent
PLB	Payload Bay	PLVC	Postlanding Vent Control
PLBD	Payload Bay Door(s)		
PLBK	Playback (PB preferred)		
PLC	Preliminary Loads Cycle Pressurized Logistics Carrier		
PLD	Program Listing Document		
PLDI	Payload Data Interleaver		
PLDM	Payload Management		

PM	Payload Management Payload Midbody Performance Monitor Phase Modulation Polymer Morphology Pressurized Module Preventive Maintenance Primary Mirror Project Manager Pulse Modulation	PMI	Preventive Maintenance Inspection Preventive Maintenance Instruction Principal Maintenance Inspector
PMA	Performance Monitor Annunciator	PMIA	Parallel Multiplexer Interface Adapter
PMAC	Personnel Management Advisory Committee	PMIC	Payload Mission Integration Contract
PMAD	Performance Monitor Annunciation Driver Power Management and Distribution	PMIR	Program Manager's Integration Review
PMAP	Performance Monitor Annunciation Panel	PMIS	Personnel Management Information System
PMAT	Page Map Address Table	PML	Preliminary Materials List
PMBT	Propellant Mean Bulk Temperature	PMM	Property Management Manual
PMC	Payload Monitoring and Control Permanently Manned Capability Plutona-Molybdenum Cermet Postmanufacturing Checkout Private Medical Communication Procurement Method Code	PMN	Program Management Network
PMD	Palmdale (TACAN Station) Profile Measurement Device	PMOM	Performance Management Operations Manual
PMDL	Palmdale, CA	PMON	Performance Management Operations Network
PMEL	Precision Measurements Equipment Laboratory	PMP	Parts, Materials, and Processes Payload Mounting Panels Performance Management Package Premodulation Processor Program Management Plan Pump
PMF	Performance Monitor (Monitoring) Function Perigee Motor Firing Program Management Facility	PMPL	Preferred Mechanical Parts List
PMG	Plasma Motor Generator	PMR	Performance Measurement Report Program Manager's Review
PMHL	Preferred Measurement Hardware List	PMS	Packet Memory System Performance Mangement System Performance Measurement System Performance Monitoring System Personnel Management Specialist Platform Management System Project Management System
		PMT	Photomultiplier Tube Planning/Management Team Production Monitoring Test
		PMTC	Pacific Missile Test Center

PMU	PCM Master Unit Pressure Measuring Unit Pulse Modulation Unit	POP	Perpendicular-to-Orbit Plane Polar Orbiting Platform Preburner Oxidizer Pump
PMVE	Primary Mirror Vortex Fixture		Preflight Operations Procedures
PN	Past Number (P/N preferred) Pseudo Noise Pseudorandom Noise		Prelaunch Operations Plan Program Operating Plan
PNEU	Pneumatic	POPA	Payload Ordnance Processing Area
PNL	Panel	POPU	Push Over Pull Up
PNP	Prenegotiation Position	POR	Purchase Order Request
PO	Personnel Office (KSC Directorate) Postorbit Purchase Order	PORB	Production Operations Review Board
POA	Plan of Action	PORCN	Production Order Records Change Notice
POC	Payload Operations Center Purchase Order Closeout	PORD	Performance and Operations Require- ments Document
POCC	Payload Operations Control Center	PORR	Preliminary Operations Requirements Review
POCN	Purchase Order Change Notice	PORT	Portable
POD	Payload Operations Director Payload Operations Division (JSC) Probability of Detection Proximity Optical Device	POS	Pacific Ocean Ship Portable Oxygen System Position
POE	Pilot Operational Equipment	POSA	Passive Optical Sample Assembly
POF	Pinhole Occulter Facility	POST	Payload Operations Support Team Positive Program to Optimize Simulated Trajectories
POGO	Pogo Suppression System Polar Orbiting Geophysical Observa- tory	POT	Potable Potentiometer
POI	Product of Inertia	POV	Peak Operating Voltage Pneumatic Operated Valve
POL	Petroleum, Oil, and Lubricants		
POLAR	International Solar Terrestrial Physics Program Production Order Location and Reporting	POWG	Payload Operations Working Group
		POWS	Project Operating Work Statement
POM	Pallet-Only Mode Printer Output Microfilm	PP	Partial Pressure Planning Package Power Pole Program Performance
POMT	Planning Operations Management Team		Push-Pull

PPB	Parts per Billion (p/b preferred) Program Performance Baseline		Pressure Pressure Ratio
PPC	Phased Provisioning Code Preprocessing Center		Pressure Regulator Primary
PPCO₂	Partial Pressure CO ₂		Problem Report
PPE	Phase Partitioning Experiment		Procurement Regulation
PPEP	Plasma Physics and Environmental Perturbation		Procurement Requisition Pulse Rate
PPF	Payload Processing Facility (USAF)		Purchase Request
PPH	Pounds Per Hour (lb/h preferred)	PRACA	Problem Reporting and Corrective Action
PPI	Plan Position Indicator Pulse Position Indicator	PRB	Panel Review Board Parachute Refurbishment Building
PPIL	Priced Provisioned Item List		Paso Robles (TACAN Station) Project Review Board
PPL	Planning Parts List Priced Parts List Provisioning Parts List	PRC	People's Republic of China (Payload) People's Republic of China Satellite Planning Research Corporation
PPM	Part Per Minute Parts Per Million (p/m preferred) Prime Period of Maintenance Pulse Per Minute Pulse Position Modulation	PRCA	Problem Reporting and Corrective Action
PPME	Pacific Plate Motion Experiment	PRCB	Program Requirements Change Board Program Requirements Control Board
PPO₂	Partial Pressure O ₂		Program Review Control Board
PPP	Peak Pulse Power Programmable Power Processor	PRCBD	Program Requirements Control Board Directive
PPR	Payload Preparation Room		Program Review Control Board Directive
PPS	Peripheral Processing System Pneumatic Power Subsystem Printer/Plotter System Provisioning Performance Schedule Pulse Per Second	PRCS PRD	Primary Reaction Control System Payload Retention Device Personal Radiation Dosimeter Procurement Regulation Directive Procurement Requirements Document
PQGS	Propellant Quantity Gauging System		Program Requirements Documents (UDS) Project Requirement Document
PQI	Propellant Quantity Indicator		
PR	Pair Payload Recorder Performance Report Position Record	PRE PRE-MOD	Personal Rescue Enclosure Premodulation

PREAMP	Preamplifier		Propulsion Engineer
PREF	Preference	PROPLT	Propellant
PREFLT	Preflight	PROX	Proximity
PREL	Preliminary	PRP	Personnel Reliability Program
PREP	Preparation	PRPS	Programming Requirements Process Specification
	Prepare	PRR	Parts Replacement Request Preliminary Requirements Review Program Requirements Review Pulse Repetition Rate
PRES	Present		
PRESS	Pressurant Pressure	PRS	Payload Retention Subsystem Personnel Rescue Service Personnel Rescue System Power Reactant System (Subsystem) Precision Ranging System Primary Recovery Site Primary Rescue Site Provisioning Requirements Statement
PREV	Previous		
PREVLV	Prevalve		
PRF	Parachute Refurbishment Facility Pulse Repetition Frequency	PRSD	Power Reactant Storage and Distribu- tion Power Reactant Supply and Distribu- tion
PRI	Primary		
PRI-PL	Primary Payload	PRSDS	Power Reactant Storage and Distribu- tion System
PRIM	Primary	PRSS	Problem Report Squawk Sheet
PRL	Page Revision Log Priority Rate Limiting	PRT	Pulse Repetition Time
PRM	Payload Retention Mechanism Pocket Radiation Monitor Posigrade Rocket Motor Pulse Rate Modulation	PRTL	Powered Return to Launch Site
PRN	Program Release Notice Pseudorandom Noise Pulse Range Navigation	PRU	Power Regulator Unit
PRO	Proceed	PRV	Pressure Reduction Valve
PROB	Problem	PS	Parachute Subsystem Payload Specialist Payload Station Payload Support Power Supply Pressure Switch Prime Select
PROC	Procedure Processor, Process Procurement	PS/FC	Power Supply/Fuel Cell
PROG	Program Progress		
PROJ	Project		
PROM	Programmable Read-Only Memory		
PROP	Propellant Proportioning Propulsion		

PSA	Payload Service Area	PSG	Power Subsystem Group
	Payload Support Avionics	PSI	Power Static Inverter
	Power Servo Amplifier	psi	Pounds Per Square Inch (Static Pressure) (lb/in ² preferred)
	Power Servo Assembly	psia	Pounds Per Square Inch Absolute
	Pre/Post Sleep Activity	psid	Pounds Per Square Inch Differential
	Preferred Storage Area	PSIG	Propulsion Systems Integration Group
	Pressure Switch Assembly	psig	Pounds Per Square Inch Gauge
	Provisions Stowage Assembly	psis	Pounds Per Square Inch Sealed
PSAC	Presidential Scientific Advisory Committee	PSK	Phase Shift Keyed
PSC	Parallel Switch Control	PSL	Perpendicular to the Sun Line
	Platform Support Center		Pressure Seal
	Program Schedule Chart		Propellant Seal
	Program Support Contractor	PSM	Phase Sensitive Modulator
PSCL	Propellant Systems Cleaning Laboratory		Propellant Storage Module
			Pyro Substitute Monitor
PSCN	Preliminary Specification Change Notice	PSN	Purge Sequence Number
	Program Support Communications Network	PSOP	Payload Systems Operating Procedures
PSD	Power Spectral Density	PSP	Payload Signal Processor
	Program Support Document		Payload Specialist Panel
PSDP	Payload Station Distribution Panel		Payload Support Plan
PSDR	Planning and Scheduling Document Record		Program Support Plan
			Project Schedule Plan
PSE	Payload Service Equipment	PSPA	Pressure Static Probe Assembly
	Payload Servicing Equipment	PSPL	Priced Spare Parts List
	Payload Support Equipment	PSR	Pre-Shipment Review
	Peculiar Support Equipment		Program Status Review
	Physiological Systems Experiment	PSRD	Program Support Requirements Document
PSF	Payload Servicing Fixture	PSS	Pad Safety Supervisor
	Point Spread Function		Payload Specialist Station
	Processing and Staging Facility (SRB)		Payload Support System
	Processing and Storage Facility (ET)		Propellant Supply Subsystem
psf	Pounds Per Square Foot (lb/ft ² preferred)		Propulsion Support System
PSFC	Power Supply/Fuel Cell	PSSA	Payload Support Structural Assembly
		PSSP	Payload Specialist Station Panel

PSST	Periodic Significant Scheduled Tasks	PTO	Participating Test Organizations
PSSU	Patch Survey and Switching Unit		Power Test Operations
PSTF	Payload Spin Test Facility	PTP	Point-to-Point Phone(s)
PSU	Power Sensor Unit		Pumped Two-Phase Mounting Plate
	Power Switching Unit	PTR	Preliminary Test Report
PSV	Planetary Space Vehicle		Printer
PSW	Program Status Word		Program Trouble Report
PT	Advanced Planning and Technology Office (KSC Dir.)	PTS	Payload Test Set
	Part Time		Payload Transportation System
	Pint	PTT	Push-to-Talk
	Pitch Trim	PTV	Pathfinder Test Vehicle
	Point	PTZ	Pan Tilt Zoom
	Pressure Transducer	PU	Pickup
PTA	Post-Test Analysis		Power Unit
	Potential Toxic Area		Propellant Unit
	Propulsion Test Article		Propellant Utilization
PTB	Payload Timing Buffer	PUB	Publication
PTC	Passive Thermal Control	PUCS	Propellant Utilization Control System
	Payload Training Complex	PUGS	Propellant Utilization and Gauging System
	Portable Temperature Controller	PUPO	Pull Up Push Over
PTCR	Pad Terminal Connection Room	PUSS	Pallet Utility Support Structure
PTCS	Passive Thermal Control Section	PUV	Propellant Utilization Valve
	Passive Thermal Control System	PV	Prevalve
	Planning, Training, and Checkout System	PV&D	Purge, Vent, and Drain
	Propellant Tanking Computer System	PVA	Preburner Valve Actuator
PTD	Provisioning Technical Documentation		Propellant Valve Actuator
PTDDSS	PTD Data Selection Sheet	PVD	Purge, Vent, Drain System
PTF	Payload Training Facility	PVR	Precision Voltage Reference
PTFE	Polytetrafluorethylene	PVRD	Purge, Vent, Repressurize, and Drain
PTI	Preliminary Test Information	PVRO	Pyrotechnics
	Pre-Programmed Test Input	PVT	Physical Vapor Transport
	Programmed Test Input		Preflight Verification Test
PTIS	Program Test Input System		Pressure, Volume, and Temperature
PTM	Pulse Time Modulation		Pressure/Volume/Temperature
PTMS	Precision Torque Measuring System		Private
			Pyrotechnic Verification Test

PVTOS Physical Vapor Transport of Organic Solids

PVWA Planned Value of Work Accomplished

PVWS Planned Value of Work Scheduled

PW Pulse Width

PWA Pratt and Whitney Aircraft
Private Write Area
Product Work Authorization

PWB Printed Wire Board

PWBS Program Work Breakdown Structure

PWM Pulse-Width Modulation

PWMD Printed Wiring Master Drawing

PWR Power

PWS Pricing Work Statement

PY Program Year

PYRO Pyrotechnics

Q

Q	Dynamic Pressure Pitch Rate (Angular Rate)	QL	Quick Look
Q Alpha	Pitch Dynamic Pressure	QLDR	Quick Look Data Reference
Q Beta	Yaw Dynamic Pressure	QLDS	Quick Look Data Station
Q-BAND	36,000 to 46,000 MCS	QLS	Quick Look Station
QA	Quality Assurance	QM	Qualification Model Qualification Motor
QAC	Quality Assurance Chart	QPL	Qualified Parts List Qualified Products List
QACAD	Quality Assurance Corrective Action Document	QPR	Quarterly Progress Report
QAM	Quality Assurance Manual	QPRD	Quality Planning Requirements Document
QAP	Quality Assurance Procedure	QPS	Quality Planning Specification Quantity Planning Specification
QAPP	Quality Assurance Program Plan	QPSK	Quadrature Phase Shift Key
QAR	Quality Assurance Responsible/ Witness	QRE	Quick-Reaction Estimate
QATT	Qualification for Acceptance Thermal Testing	QRI	Quick-Reaction Integration
QAVT	Qualification Acceptance Vibration Test Qualification for Acceptance Vibration Testing	QRIA	Quick-Reaction Integration Activity
QC	Quality Control	QRS	Quick-Reaction Sortie
QCB	Queue Control Block	QRSL	Quick-Reaction Space Laboratory
QCDR	Quality Control Deficiency Report	QSA	Qualification Site Approval
QCOP	Quality Control Operating Procedure	QSGVT	Quarter Scale Ground Vibration Test
QD	Quick Disconnect	QSI	Quality Step Increase
QD'S	Quick Disconnects	QSL	Qualified Source List
QDR	Qualification Design Review	QSM	Quarter Scale Model
QDS	Quality Data System	QSMVT	Quarter Scale Model Vibration Testing
QE	Quality Engineer	QSS	Quindar Scanning System
QEC	Quick Engine Change	QT	Qualification Test
QF	Quality Factor	QTP	Qualification Test Plan
QGS	Quantity Gauging System	QTR	Qualification Test Report Quarter
QINMS	Quadruple Ion Neutral Mass Spectrometer	QTRS	Quarters
		QTY	Quantity
		QUAD	Quadrangle, Quadrant, Quadrature
		QUADS	Quality Achievement Data System
		QUAL	Qualification, Qualified Quality
		QUAT	Quaternion

QUELD Queens University Experiment in
Liquid Metal Diffusion

QUI Quito, Ecuador (STDN)

QUIC Quality Data Information and Control

QUP Quality Unit Pack

QVT Qualified Verification Testing

QVVT Qualified Verification Vibration Testing

R

R	Gas Constant	R-OUT	Rollout
	Radius	R-T	Resistance Test
	Range	R/A	Radar Altimeter
	Range Rate	R/C	Radio Comand
	Rankine		Rate of Climb
	Ratio		Remote Control
	Rear	R/D	Rate of Descent
	Receive	R/E	Reentry
	Redundant	R/I	Receiving Inspection
	Regulate	R/L	Rate/Limited
	Rehydratable		Remote/Local
	Reliability	R/IM	Refrigerator/Incubator Module
	Replace	R/O	Rollout
	Resistance	R/S	Range Safety
	Right		Redundant Set
	Roentgen	R/T	Real Time
	Roll		Receiver/Transmitter
	Yaw Rankine Rate	R/W	Read/Write
			Runway
R BAR	Radius Vector Axis	RA	Radar Altimeter (R/A preferred)
R DOT	Range Rate to Target (+) Opening, (-) Closing		Range Area
R IMP	Minimum Range to Avoid Plum Impingement		Right Aft
R&CC	Recorder and Communication Control		Right Ascension
R&D	Research and Development	Ra	Radium
R&DO	Research and Development Operations (MSFC)	RAAB	Remote Amplifier and Adaption Box
R&M	Reliability and Maintainability		Remote Application and Advisory Box
R&P	Reserve and Process	RAC	Reliability Action Center
R&PM	Research and Program Management	RACS	Remote Automatic Calibration System
R&QA	Reliability and Quality Assurance		Rotation Axis Coordinate System
R&R	Remove and Replace	RACU	Remote Acquisition and Command Unit
	Rendezvous and Recovery	RAD	Radar
R&Z	Range and Zero		Radian
			Radiation Dosage
			Radiator
			Radius
			Roentgen Absorbed Dosage
		RADAR	Radio Detecting and Ranging

RADCC	Radiation Control Center	RBL	Right Buttock Line
RAE	Radio Astronomy Explorer	RBMT	Retrospective Bibliographies on Magnetic Tape
RAF	Requirements Analysis Form	RBN	Radio Beacon
RAG	Reusable Agenda	RC	Range Command Rate Command Recovery Controller Recurring Cost Resistance-Capacitance Reverse Current Rotation Control
RAHF	Research Animal Holding Facility	RCA	Radio Corporation of America (SATCOM) Relay Control Assembly Remote Control Amplifier
RAI	Radar Altimeter Indicator Roll Attitude Indicator	RCAG	Remote Center Air-Ground Remote Control Air-Ground
RAL	Responsibility Assignment List	RCB	Remote Circuit Breaker
RALPH	Reduction and Acquisition of Lunar Pulse Heights	RCC	Range Commanders Council (DOD) Range Control Center Reinforced Carbon-Carbon Reusable Carbon-Carbon Rough Combustion Cutoff
RALT	Radar Altimeter	RCCA	Rough Combustion Cutoff Assembly
RAM	Radar Absorption Material Random Access Memory Research and Applications Module Responsibility Assignment Matrix	RCCB	Remote Control Circuit Breaker
RAMA	Recap and Movement Authorization	RCCP	Recorder and Communications Control Panel
RANC	Radar Absorption Noise and Clutter	RCD	Record
RANN	Research Applied to National Needs	RCDP	Record Parallel
RAP	Resources Authority Plan	RCDR	Recorder
RAPCON	Radar Approach and Control	RCE	Reaction Control Equipment
RAPS	Right AFT Propulsion System	RCHCS	Regenerable CO ₂ and Humidity Control System
RAS	Requirements Allocation Sheet	RCN	Requirements Change Notice
RASSF	Robotics Assembly and Servicing Simulation Facility	RCP	Radiation Constraints Panel Right Circular Polarization Right Circular Polarizer
RATCC	Radar Air Traffic Control Center		
RAU	Remote Acquisition Unit		
RAUIS	Remote Acquisition Unit Interconnect- ing Station		
RAX	Remote Access Computing System Remote Access Terminal		
RB	Radar Beacon		
RBA	Radar Beacon Antenna		
RBC	Red Blood Cells Rotating Beam Ceilometer		
RBDE	Radar Bright Display Equipment		
RBE	Radiation Biological Effectiveness		
RBK	Right Bank		

RCPT	Receipt Receptacle	RDT&E	Research, Development, Test, and Evaluation
RCR	Retrofit Configuration Record	RDTR	Radiator
RCS	Rate Control System Reaction Control System (Subsystem)	RDU	Remote Decoder Unit
RCS C	Reaction Control Subsystem Controller	RDW	Response Data Word Return Data Words
RCU	Remote Control Unit	RDX	Cyclotrimethylenetrinitramine
RCV	Receive	RDY	Ready
RCVR	Receiver	RE	Responsible Engineer
RCVS	Remote Control Video Switch	RE&T	Research Engineering and Test
RCVY	Recovery	REAC	Reactant
RCY	Recovery Remaining Cycles	REACQ	Reacquisition
RD	Radiation Detection Reference Designator Requirements Document Round	REC	Receive Record (RCD preferred)
RD/SB	Rudder Speed Brake	RECERT	Recertification
RDA	Remote Data Access Resident Data Area	RECHG	Recharge
RDC	Reference Designator Code Request for Document Change	RECIP	Reciprocate
RDCS	Reconfiguration Data Collection System	RECOG	Recognition
RDD	Requirements Definition Document	RECON	Remote Control
RDF	Radio Direction Finder Resource Data File	RECONFIG	Reconfiguration
RDM	Real-Time Data Manager	RECONN	Reconnaissance
RDMTR	Radiometer	RECOV	Recovery
RDOC	Reference Designation Overflow Code	RECP	Receptable Request for Engineering Change Proposal
RDOUT	Readout	RECRC	Recirculate
RDP	Receiver and Data Processor Requirements Data Plan Requirements Development Plan	RECS	Representative Shuttle Environmental Control System
RDR	Raw Data Recorder Rudder	RECT	Rectifier, Rectify
RDS	Rocketdyne Digital Simulator	RECV	Receive
		RECVR	Receiver
		RED	Reduction
		REDUN	Redundancy
		REED	Rocket Exhaust Effluent Diffusion
		REEDA	Rocket Exhaust Effluent Diffusion Analysis

REF	Reference Refurbish, Refurbishment	RES	Reserve Reservoir
REFRIG	Refrigerate	RESID	Residual
REFSMMAT	Reference Stable Member Matrix	RESIS	Resistance
REFURB	Refurbish	RESP	Responsibility
REG	Register Regulator, Regulate	RESVR	Reservoir
REGEN	Regenerate	RET	Retract
REI	Range From Entry Interface (400 k) Runway End Identification	RETEN	Retention
REI-M	REI-Mollite	RETRO	Retro Controller (NASA) Retrofire Retrofire Officer
REIL	Runway End Identification Lights	RETRV	Retrieve
REINF	Reinforce	RETS	Reconfigurable Electrical Test Stand Reconfiguration Electrical Test Stand
REINIT	Reinitialize	REV	Reverse Review Revision Revolution
REJ	Reject	RF	Communications Support Radio Frequency Right Forward
REL	Relative Release	RF-TK	Radio Frequency Tracking
RELMAT	Relative Matrix	RFA	Request for Action RF Authorization (Frequency)
REM	Release-Engage Mechanism Release Engine Mechanism Release Engine Module Release Escape Mechanism Remove Rocket Engine Module Roentgen Equivalent Man	RFB	Ready for Baseline Request for Bid
REN RAD	Rendezvous Radar	RFC	Radio Frequency Charts Request for Change Request for Change Revolution
REND	Rendezvous	RFCP	Request for Computer Program
REPGROW	Effects of Spatial Environment on the Reproduction and Growth of Bacteria	RFD	Requirements Formulation Document
REPL	Replace	RFE	Request for Estimate
REPR	Repressurization	RFEI	Request for Engineering Information
REPRO	Reproduction	RFI	Radio Frequency Interference Remote Facility Inquiry Remote File Inquiry Request for Information
REQ	Request Require		
REQD	Required		
REQMTS	Requirements (RQMTS preferred)		

RFL	Reflect	RHU	Radioisotope Heater Unit
RFM	Reconfigurable Furnace Module	RHW	Router Header Word
RFO	Request for Order	RI	Rockwell International
RFP	Request for Proposal	RIB	Recoverable Item Breakdown
	Requirements and Formulation Phase		Right Inboard
RFPA	Request for Proposal Authorization	RIC	Resistance Inductance and Capacitance
RFQ	Request for Quotation		Rockwell International Corporation
RFT	Ready for Training	RICC	Remote Intercomputer Communica- tions Interface
RFW	Request for Waiver (Deviation)		
RG	Radio Guide	RID	Reaction Injection Molded
	Rate Gyro		Review Item Disposition
RG A	Rate Gyro Assembly	RIDI	Receiving Inspection Detail Instruction
	Residual Gas Analyzer	RIE	Right Inboard Elevon
RGAL	Rate Gyro Assembly—Left SRB	RIF	Relative Importance Factor
RGAO	Rate Gyro Assembly—Orbiter	RIG	Rate Integration Gyro
RGAR	Rate Gyro Assembly—Right SRB	RIGI	Receiving Inspection General Instruc- tion
RGM	Redundant Gyro Monitor		
RGP	Rate Gyro Package	RIL	Recoverable Item(s) List(s)
RGRMA	Rate Gyro Redundancy Management Algorithm		Repairable Item List
			Reparable Item List
RH	Relative Humidity	RIM	Reaction Injection Molded
	Right Hand	RIMS	Retarding Ion Mass Spectrometer
RHC	Right Hand Circular	RIPS	Radar Impact Prediction System
	Rotation Hand Controller	RIR	Reportable Item Report
RHCM	Relative Humidity Control/Monitor	RIS	Reporting Identification Symbols
RHCP	Right Hand Circular Polarization (Polarized)	RISA	Rapid Imaging Spectrophotometric Array
RHEB	Right Hand Equipment Bay	RISKAC	Risk Acceptance
RHEO	Rheostat	RIT	Request for Interface Tool
RHFEB	Right Hand Forward Equipment Bay	RIU	Remote Interface Unit
RHL	Residual Hazards List	RIV	Recirculation Isolation Valve
RHM	Relative Humidity Monitor	RJ/EC	Reaction Jet/Engine Control
RHP	Right Hand Panel	RJC	Reaction Jet Control
RHS	Right Hand Side	RJD	Reaction Jet Device
	Rocketdyne Hybrid Simulator		Reaction Jet Driver
RHSC	Right Hand Side Console	RJDA	Reaction Jet Driver Aft
RHT	Radiant Heat Temperature	RJDF	Reaction Jet Driver Forward

RJEC	Reaction Jet Engine Control		Remote Manipulator System
RJOD	Reaction Jet OMS Driver		(Subsystem)
RK	Recharge		Root-Mean-Square
RKD	Rocketdyne	RMSVP	Remote Manipulator Subsystem
RLA	Repair Level Analysis		Verification Plan
	Repair Line Agreement	RMT	Remote
RLC	Remote Load Controller	RN	Reynolds Number
RLCD	Redline Cutoff Device	RNDZ	Rendezvous
RLEO	Request Liaison Engineering Order	RNG	Range
RLF	Relief	RNG RT	Range Rate
RLG	Ring Laser Gyro	RO	Radar Operator
RLO	Rack Level Outgassing		Readout
RLSS	Regenerative Life Support System		Receive Only
RLT	Return Line Tether		Recovery Operations
RLY	Relay	ROB	Right Outboard
RM	Redundancy Management	ROC	Record of Comments
	Reference Mission		Regional Operations Center
	Remote Manipulator		Request of Change
	Rendezvous Maneuver	ROD	Remote Operated Door(s)
	Rescue Module	RODB	Remote Object Data Base
	Right Mid	ROLL	Roll Angle
RMMS&C	Redundancy Management/Moding, Sequencing, and Control	ROM	Read-Only Memory
RMA	Remote Manipulator Arm		Rough Order of Magnitude
RMC	Redundancy Management Control	ROPE	Research on Orbital Plasma Electro-
RMCD	Radiation Monitoring Container		dynamics
	Dosimeter	ROS	Regulated Oxygen Supply
RME	Radiation Monitoring Equipment		Regulated Oxygen System
RMF	RCS Module Forward		Removable Overhead Structure
RMG	Right Main Gear		Rosman, North Carolina (STDN Site)
RMI	Radio Magnetic Indicator	ROSAT	Roentgensatellite
RMO	Resident Manager's Office	ROT	Remaining Operating Time
RMRS	Repeatable Maintenance and Recall System		Rota, Spain
RMS	Radian Means Per Second		Rotate, Rotation
	Random Motion Simulator	ROTI	Recording Optical Tracking Instrument
	Redundancy Management System	RP	Relative Pressure
			Repair Period
			Rocket Propellant

RPA	Record and Playback Assembly	RRP	Rudder Reference Plane
	Request for Procurement Action (Authorization)	RRT	Rendezvous Radar Transducer
	Retarding Potential Analyzer		Rendezvous Radar Transponder
RPC	Remote Power Controller	RS	Rawinsonde
RPDP	Recoverable Plasma Diagnostics Package		Redundancy Status
RPE	Reliability Project Engineer		Redundant Set
RPIE	Real Property Installed Equipment		Refurbishment Spare
RPL	Rated Power Level		Remote Station
RPLC	Replace		Right Side
RPM	Revolutions Per Minute (r/min preferred)	RSA	Redstone Arsenal
RPO	Radiation Protection Officer		Reference Satellite A
RPOC	Remote Payload Operations Center	RS&H	Reynolds, Smith, & Hills, Inc.
RPP	Reinforced Pyrolytic Plastic	RS&S	Receiving, Shipping, and Storage
RPS	Record and Playback System (Subsystem)	RSB	Rudder Speed Brake
	Revolutions Per Second (r/s preferred)	RSC	Range Safety Control/Command
RPT	Resident Provisioning Team	RSCIE	Remote Station Communication Inter- face Equipment
	Rudder Pedal Transducer	RSD	Range Safety Distributor
RPTA	Rudder Pedal Transducer Assembly		Requirements and Specifications Document
RPU	Remote Power Unit	RSDP	Remote Site Data Processor
RPV	Remotely Piloted Vehicle	RSE	Rotational Support Equipment
RQ	Respiratory Quotient	RSF	Receiving-Safing Facility
RQMT	Requirement		Refurbishment and Subassembly Facilities
RQMTS	Requirements	RSI	Reusable Surface Insulation
RR	Range Rate	RSIC	Redstone Scientific Information Center
	Rendezvous Radar	RSL	Resource Support List
	Requirements Review	RSLV	Resolve
	Respiration Rate	RSM	Resume
RRA	Resident Research Associate Program	RSMM	Redundant System Monitor Model
RREA	Rendezvous Radar Electronics Assembly	RSO	Radiological Safety Office
RREU	Rendezvous Radar Electronics Unit		Range Safety Officer
RRI	Rendezvous Radar Indicator	RSP	Rendezvous Station Panel
RRL	Rudder Reference Line	RSPL	Recommended Spare Parts List
		RSRM	Redesigned Solid Rocket Motor

RSS	Range Safety Switch Range Safety System Reactants Supply System Rib Structure Station Robotic Servicer System Root Sum Square Rotating Service Structure	RTCE	Rotation/Translation Control Electronics
RSSPO	Resident Space Shuttle Project Office (Officer)	RTCL	Reticle
RST	Recessed Selectromatic Terminal	RTCP	Real-Time Communications Processor
RSTCV	Reusable Space Transportation Cargo Vehicle	RTCS	Real-Time Computer System
RSTRT	Restart	RTD	Rate Damping Real-Time Display
RSU	Rate Sensing Unit Remote Service Unit	RTDS	Resistance Temperature Device Real-Time Data System
RSVR	Reservoir	RTE	Responsible Test Engineer
RSYS	Responsible System	RTG	Radioisotope Thermal Generation Radioisotope Thermoelectric Generator— GALILEO
RT	Range-to-Target Rate Real Time (R/T preferred) Receiver-Transmitter Reference Trajectory Right Rotation Discrete Rate		Range (Slant) to Ground
RTA	Real-Time Accumulator	RTGS	Radioisotope Thermoelectric
RTAC	Research and Technology Advisory Committee	RTHC	Rotation-Translation Hand Controller
RTB	Resistance Temperature Bulb	RTHS	Real-Time Hybrid System
RTC	Real-Time Clock Real-Time Command Real-Time Computer Room Temperature Cure	RTIF	Real-Time Interface
RTCC	Real-Time Command Controller Real-Time Computer Center (NASA) Real-Time Computer Command (Uplink) Real-Time Computer Complex	RTL	Ready to Launch
		RTLS	Return to Launch Site
		RTN	Return
		RTO	Responsible Test Organization
		RTOP	Research and Technology Objectives and Plans
		RTPA	Reaction-Time Perception Analyzer
		RTR	Rotor
		RTS	Real-Time Supply Remote Tracking Station
		RTSF	Real-Time Simulation Facility
		RTTV	Real-Time Television
		RTU	Remote Terminal Unit
		RTV	Room-Temperature Vulcanized
		RU	Remote Unit
		RUD	Rudder
		RUPT	Interrupt Rupture

RUR Reference Update Review
Requirements Update Review

RUT Resource Utilization Time

RV Recirculation Valve
Recovery Vehicle
Recovery Vessel
Reentry Vehicle
Relief Valve
Retrieval Vessel

RVCF Remote Vehicle Checkout Facility

RVDT Rotary Variable Differential Transducer
Rotary Variable Differential Transformer

RVN Requirements Verification Network

RVR Runway Visible (or Visual) Range

RVS Reverse

RW Reaction Wheel
Response Word

RWA Reaction Wheel Assembly

RWD Right Wing Down

RWM Read/Write Memory

RYD Real Year Dollars

RZ Return-to-Zero

S		S/EOS	Standard Earth Observation Satellite
(S)	Safe (Task Classification)	S/F	Safety Factor
S	Second		Single Flow
	Side	S/G	Strain Gauge
	Star	S/L	Shop/Laboratory
	Stere	S/M	Scheduled Maintenance
s	Second (Astronomical Tables)		Service/Maintenance
S CHG	Supercharge		Structural/Mechanical
S PRES	Star Present	S/N	Serial Number
S TRK	Star Tracker		Signal-to-Noise Ratio
S&A	Safe and Arm (Device)	S/O	Shutoff
	Science and Application		Switchover
S&AD	Science and Applications Directorate	S/P	Serial to Parallel
S&E	Science and Engineering (MSFC Directorate)		Signal Processor
		S/R	Send and Receive
S&MA	Safety and Mission Assurance		Shift Register
S-BD	S-Band		Stimulus/Response
S-Band	1,550 to 5,200 MHz	S/S	Samples Per Second
S-MOWG	"Super" Management Operations Working Group		Single Sideband
			Space Shuttle
S-N	Stress Number		Subsystem
S/A	Safe and Arm	S/Sys	Subsystem
	Scheduled/Actual	S/U	Set Up
	Site Activation	S/V	Space Vehicle
	Spacecraft Adapter		Supply Valve
	Subassembly	S/W	Software
S/AC	Stabilization/Attitude Control	SA	Safing Area
S/B	Standby		Shaft Angle
S/C	Sensor/Controller		Single Access
	Signal Conditioner		Site Activation
	Software Contractor		Solar Array
	Spacecraft		Subaccount
	Splitter/Combiner		Supplemental Agreement
	Stabilization and Control		Support Area
	Stripchart (Recorder)	SAA	Safety Assurance Analysis
	Subcontractor		South Atlantic Anomaly
		SAAC	Schedule Allocation and Control

SAAL	Single Axis Acoustic Levitator	SAL	Scientific Airlock
SAALC	San Antonio Air Logistics Center		Shuttle Avionics Laboratory
SAAM	Special Air Force Airlift Mission	SALC	Sacramento Air Logistics Center
SAAMA	San Antonio Air Material Area	SAM	Shuttle Attachment Manipulator
SAAS	Shuttle Aerosurface Actuator Simulation		System Activation and Monitoring
SAB	Shuttle Avionics Breadboard		Shuttle Activation Monitor
	Spacecraft Assembly Building	SAMP	Shuttle Automated Mass Properties
	Storage and Assembly Building	SAMS	Shuttle Attachment Manipulator
SAC	Shuttle Action Center (HOSC)		System
	Strategic Air Command (USAF)		Space Acceleration Measurement
	Support Action Center		System
SACS	Software Avionics Command Support	SAMSAT	Solar Activity Monitoring Satellite
	Systems Software Avionics Command	SAMSO	Space and Missile Systems Organization (USAF)
	Support	SAMSOR	SAMSO Regulation (now SDR)
SAD	Shuttle Authorized Document	SAMSS	Space Assembly Maintenance and
	Spacecraft Attitude Display		Servicing Study
	Systems Allocation Document	SAMTEC	Space and Missile Test Center
SADA	Solar Array Drive Assembly		(VAFB, CA)
SADE	Solar Array Drive Electronics	SAMTECM	Space and Missile Test Center Manual
	Structural Assembly Demonstration	SAMTO	Space and Missile Test Organization
	Experiment		(VAFB)
SADEC	Spin Axis Declination	SANC	Spacelab Ancillary Data Tape
SADM	Solar Array Drive Mechanism	SAND	Site Activation Need Date
SAE	Society of Automotive Engineers	SAO	Smithsonian Astrophysical Observatory
	Solar Array Experiment		
SAEF	Spacecraft Assembly and Encapsulation Facility	SAP	Strain Arrestor Plate
SAES	Stand-Alone Engine Simulator	SAR	Safety Analysis Report
SAFD	Systems Anomaly and Failure		Search and Rescue
	Detection		Summary Analysis Report
SAFE	San Andreas Fault Experiment		Synthetic Aperture Radar
	Solar Array Flight Experiment	SARC	Science Archive Research Center
SAGE-II	Stratospheric Aerosol Gas Experiment	SAREX	Shuttle Amateur Radio Experiment
SAIL	Shuttle Avionics Integration Laboratory	SARIMS	Swept Angle Retarding Ion Mass Spectrometer

SARP	Safety Analysis Report for Packaging Shuttle Astronaut Recruitment Program	SBA	Seat Back Assembly Small Business Administration Structure Borne Acoustic
SARR	Small and Rapid Response	SBAS	S-Band Antenna Switch
SART	Stimuli Analog Refresh Table	SBC	Speed Brake Command
SAS	Small Astronomy Satellite Solar Array System Space Adaptation Syndrome Stability Augmentation Subsystem Stability Augmented System	SBCR	Stock Balance and Consumption Report
SASE	Shuttle Atmospheric Science Experiment	SBD	Schematic Block Diagram
SASP	Science and Applications Space Platform	SBE	Sub-Bit Encoder
SASTP	Stand-Alone Self-Test Program	SBHC	Speed Brake Hand Controller
SAT	Saturate, Saturated Systems Approach to Training	SBIR	Small Business Innovative Research
SATAF	Shuttle Activation Task Force	SBP	San Luis Obispo (TACAN Station) Sonic Boom Panel
SATCOM	Satellite Communications	SBS	Satellite Business System
SATO	Shuttle Attached Teleoperator Space Adaptation Tests and Observation Supply and Transportation Operations	SBSA	Swedish Board for Space Activities
SATS	Shuttle Avionics Test System Small Applications Technology Satellite	SBTC	Speed Brake/Thrust Controller
SAU	Signal Acquisition Unit Strap Around Unit	SBU	Strategic Business Units
SAVER	Shuttle Avionics Verification and Evaluation	SBX	S-Band Transponder
SAWD	Solid Amine Water Desorbed	SC	Scale Service Charge Shipping Container Signal Conditioner (S/C preferred) Statement of Capability Statement of Compatibility Subsystem (System) Computer Support Contractor Surface Command
SB	Space Base Speed Brake Synchronization Base Synchronization Bit	SC&CU	Signal Conditioning and Control Unit
		SCA	Schedule Change Authorization Sequence Control Assembly Shuttle Carrier Aircraft Simulation Control Area Sneak Circuit Analysis Stellar Camera Array
		SCAMMA	Station Conferencing and Monitoring Arrangement

SCAN	Antenna Scan Selected Current Aerospace Notices Shuttle Connector Analysis Network		Standard Cubic Centimeters Per Second
SCAPE	Self-Contained Atmospheric Protective Ensemble	SCD	Source Control Document Source Control Drawing Specification Control Document Specification Control Drawing
SCARAB	Submersible Cable Assistant Repair and Burial	SCDA	Safing, Cooldown, and Decontamina- tion Area
SCARS	Serialized Control and Record System Serialized Control and Reporting System Sneak Circuit Analysis Report Summary	SCDP	Software Critical Design Audit Simulation Control Data Package
SCAS	Subsystem Computer Application Software	SCDR	Seller Critical Design Review Shuttle Critical Design Review Software Critical Design Review Subcontractor Critical Design Review
SCAT	Space Communication and Tracking Storage, Checkout, and Transport	SCDU	Signal Conditioning and Display Unit
SCATHA	Spacecraft Charging at High Altitudes	SCE	Signal Conditioning Equipment
SCATS	Simulation Control and Training System	SCEA	Signal Conditioning Electronics Assembly
SCB	Schedule Change Board Selection Control Board Selector Control Box Software Control Board Specification Control Board	SCF	Safing and Deservicing Facility Satellite Control Facility Sequenced Compatibility Firing Spacecraft Control Facility Standard Charge Factor Standard Cubic Feet Statistical Collection File Sunnyvale Control Facility
SCBD	Seller's Approved Configuration Baseline Document	SCFH	Standard Cubic Feet Per Hour
SCC	Safety Control Center Simulation Control Center Slidell Computer Complex Standard Cubic Centimeters	SCFM	Standard Cubic Feet Per Minute
SCCB	Site Configuration Control Board	SCFS	Standard Cubic Feet Per Second
SCCF	Solar Cell Calibration Facility	SCGSS	Super Critical Gas Storage System
SCCH	Standard Cubic Centimeters Per Hour	SCHED	Scheduled, Scheduling
SCCM	Standard Cubic Centimeters Per Minute	SCHEM	Schematics
SCCS	Signal Conditioning and Control System	SCI	Switch Closure In
		SCIM	Standard Cubic Inches Per Minute
		SCIS	Standard Cubic Inches Per Second
		SCIT	Standard Change Integration and Tracking

SCIU	Selector Control Interface Unit Space Interface Unit	SCS	Secondary Coolant System Spacecraft Control System
SCL	Secondary Coolant Line Secondary Coolant Loop Specification Change Log		Stabilization and Control System (Subsystem) System Configuration Switch
SCLM	Stability, Control, and Load Maneuvers	SCT	Scanning Telescope
SCM	Site Configuration Message Subsystem Configuration Management Subsystem Configuration Monitoring System Control Module	SCU	Secondary Control Unit Sequence Control Unit System Control Unit Service and Cooling Umbilical Signal Conditioning Unit Signal Control Unit
SCMB	Development Configuration Management Board		
SCMP	System Contractor Management Plan	SD	Scaling and Display Smoke Detector Solar Dynamic Space Division (AFSC) Space Division (Rockwell) Spare Disposition Specification Document Subscale Demonstrator Supplier Documentation
SCN	Specification Change Notice		
SCNP	Preliminary Specification Change Notice		
SCNR	Scanner		
SCO	Start Checkout Subcarrier Oscillator Super Critical Oxygen Switch Closure Out		
SCOE	Special Checkout Equipment	SD/FS	Smoke Detector/Fire Suppression
SCOPE	Science Calibration and Onboard Performance Evaluator	SD/YVV	SD/Launch Base Division
SCOS	Subsystem Computer Operating System	SDA	Shaft Drive Axis Source Data Automation
SCP	Scanner Control Power Specific Candle Power	SDAF	Solid Rocket Booster Disassembly Facility
SCR	Schedule Change Request Sneak Circuit Report Software Change Request Stripchart Recorders	SDB	Shallow Draft Barge Shallow Draft Board
SCRG	System Change Review Group (MSFC)	SDC	Software Development Computer Spares Disposition Code
SCRL	Station Configuration Requirement List	SDCL	Supplier Documentation Checklist
SCRS	Stripchart Recording System	SDCP	Summary Development Cost Plan
		SDCS	SAIL Data Communications System
		SDCV	Shuttle Derived Cargo Vehicle

SDD	Shuttle Design Directive Software Description Document Software Design Document System Design Document	SDRB	Software Design Review Board Supplier Documentation Review Board System Design Review Board
SDE	Space Division Evaluator	SDRD	Supplier Data Requirements Description
SDF	Safing and Deservicing Facility Single Degree of Freedom Software Development Facility System Development Facility (Breadboard)	SDRL	Supplier Documentation Review Data Subcontract Data Requirements List Supplier Data Requirements List
SDG	Supplier Documentation Group	SDS	Shuttle Dynamic Simulation (Simulator)
SDH	Software Development Handbook System Definition Handbook System Development Handbook		Sensor Display System Software Design Specification Steering Damping System
SDI	Selective Dissemination of Information	SDSS	Space Division Shuttle Simulator
SDIF	Software Development and Integration Facility	SDT	Scaling and Display Task Shuttle Data Tape Structural Dynamic Test
SDL	Software Development Laboratory Standard Distribution List	SDTA	Structural Dynamic Test Article
SDM	Secondary Deployment Mechanism Shuttle Data Management Subsystem Design Manuals System Definition Manual	SDV	Shuttle Derived Vehicle
SDMU	Serial Data Management Unit	SDVF	Software Development and Verification Facilities
SDN	Software Development Note	SE	Support Equipment Student Experiment System Element Systems Engineering
SDP	Shuttle Data Processor Site Data Processor Software Development Plan Supplier Data Package	SE&I	Systems Engineering and Integration
SDPC	Shuttle Data Processing Complex	SE/FAC	Support Equipment/Facility
SDPF	Sensor Data Processing Facility	SEA	Scanning Electrostatic Analysis Sensor Electronics Assembly Silicon Elastimeter Ablator
SDR	Software Design Requirements Software Design Review Space Division Regulation Spacelab Disposition Record (ESA) Subcontract Data Requirement System Design Review	SEACF	Support Equipment Assembly and Checkout Facility
		SEADS	Shuttle Entry Air Data Sensor Shuttle Entry Air Data System (Subsystem)
		SEAID	Support Equipment Abbreviated Items Description

SEAPG	Support Equipment Acquisition Planning Group	SEN	Sensor
SEARCHS	Shuttle Engineering Approach/Rollout Control Hybrid Simulation	SEND	Shared Equipment Need Date
SEB	Scientific Equipment Bay Source Evaluation Board Support Equipment Building Systems Engineering Branch	SENS	Sensitivity
SEC	Secondary Sequential Events Controller Source Evaluation Committee	SEO	Special Engineering Order Subtransfer Earth Orbit
sec	Second (s preferred)	SEOS	Synchronous Earth Observation Satellite
SECO	Sustainer Engine Cutoff	SEP	Separation Source Evaluation Panel Support Equipment Package Support Electronics Package
SECS	Shuttle Events Control Subsystem	SEPAC	Space Experiment With Particle Accelerators
SECT	Spacelab Experiment Channel Tape	SEPAP	Shuttle Electrical Power Analysis Program
SEDS	Small Expendable Deployer System	SEPAR	Shuttle Electrical Power Analysis Report
SEDT	Spacelab Experiment Data Tape	SEPS	Solar Electric Propulsion System
SEE	Special Purpose End Effector Standard End Effector	SEQ	Sequence, Sequencer
SEEDS	Space-Exposed Experiment Developed for Students	SER	Serial
SEG	Segment System Engineering Groundrule	SERB	Shuttle Engineering Review Board Systems Engineering Review Board
SEI	Support Equipment Installation System Engineering Instrumentation	SERS	Shuttle Equipment Record System
SEICO	Support Equipment Installation and Checkout	SERV	Service Single Stage Earth Orbital Reusable Vehicle
SEII	Servoactuator Error Indication Interrupt	SERVICE	Space Entry Recovery Vehicle in Commercial Environments
SEL	Select, Selector	SERVO	Servomechanism
SEM	Sample Exchange Mechanism Scanning Electron Microscope Seller's Engineering Memorandum Space Environment Monitoring Spacecraft Equipment Module System Engineering Management	SES	Senior Executive Service Shuttle Engineering Simulation Special Emphasis Study Systems Engineering Simulation
SEMS	Space Environment Monitor System	SESA	Special Equipment Stowage Facility
		SESAC	Space and Earth Sciences Advisory Committee

SESAME	Severe Environmental Storms and Mesoscale Experiment	SFME	Storable Fluid Management Experiment
SESC	Shuttle Events Sequential Control	SFO	Space Flight Operations
SESL	Space Environmental Simulation Laboratory	SFOM	Shuttle Flight Operations Manual
SETI	Search for Extraterrestrial Intelligence	SFOP	Safety Operating Procedure (KSC)
SETS	Shuttle Electrodynamic Tether System	SFP	Single Failure Point Summary Flight Plan
SEUL	Support Equipment Utilization List	SFPA	Single Failure Point Analysis
SF	Safe Safe, R and QA (R&QA), and Protective Services (KSC Directorate) Safety Factor Scale Factor Selection Filter Signaling Frequency Sliding Filter Star Field Static Firing Subcontractor Furnished	SFPPL	Short Form Provisioning Parts List
SF-SOO	KSC Safety Operations Office	SFPS	Single Failure Point Summary
SFA	Sun Finder Assembly	SFS	Shuttle Flight Status
SFACI	Software Flight Article Configuration Inspection	SFSS	Satellite Field Service Station SPARTAN Flight Support Structure
SFC	Selection Filter Control Specific Fuel Consumption	SFT	Shaft Simulated Flight Test Static Firing Test
SFCS	Survival Flight Control System	SFTA	Structural Fatigue Test Article
SFD	Crossfeed	SFTF	Static Firing Test Facility
SFDS	System Functional Design Specification	SFTWE	Software
SFDT	Site Format Dump Tape	SFU	Standard Firing Unit
SFEX	Solar Flare X-Ray Polarimeter	SFW	Software
SFFP	Summer Faculty Fellowship Program	SFWE(M)	Static Feed Water Electrolysis (Module)
SFHE	Superfluid Helium Experiment	SG	Signal Generator
SFL	Secondary Freon Loop	SGC	Stabilized Ground Cloud
SFMD	Storable Fluids Management Demonstration	SGG	Superconducting Gravity Gradiometer
SFMDM	Smart FMDM	SGGM	Superconducting Gravity Gradiometer Mission
		SGL	Space Ground Link
		SGLS	Space Ground Link Station Space Ground Link System
		SGMT	Simulated Greenwich Mean Time
		SGOS	Shuttle Ground Operations Simulation (Simulator)
		SGP	Single Ground Point
		SGS	Steep Glide Slope
		SGSC	Strain Gauge Signal Conditioner

SH₂	Supercritical Hydrogen		Solar Inertial Attitude
SHA	Sidereal Hour Angle	SIAC	Safety Issue Assessment Center
	System Hazard Analysis	SIAP	System Integrity Assurance Program
SHAG	Simplified High Accuracy Guidance (Honeywell)	SID	Shuttle Integration Device
SHAP	Sample Handling and Analysis Plan		Simulator Interface Devices
SHARE	Space Station Heat Pipe Advanced Radiation (STS-29)		Standard Interface Document
	Space Station Heat Pipe Advanced Radiator Element	SIDT	System Interface Document
SHARP	Summer High School Apprenticeship Research Program	SIEDT	Spacelab I/O Data Tape
SHDN	Shutdown	SIE	Shuttle Interface Equipment
SHE	Supercritical Helium	SIEM	Systems Integration Effort for MSFC
SHEAL	Shuttle High Energy Astro Physics Laboratory	SIES	Supervision, Inspection, Engineering, and Services
SHERB	Sandia Human Error Rate Bank	SIG	Signal
SHF	Super High Frequency		Special Investigation Groups
SHLB	Simulator Hardware Load Boxes	SIG CONDR	Signal Conditioner
SHLD	Shield	SIG GEN	Signal Generator
SHLDR	Shoulder	SIL	Silver
SHOOT	Superfluid Helium On-Orbit Transfer		Sound Interference Level
SHORAN	Short Range Navigation		Systems Integration Laboratory
SHP	Shaft Horsepower	SILTS	Shuttle Infrared Leaside Temperature Sensing
SHRD	Shroud	SIM	Scientific Instrumentation Module
	Supplemental Heat Rejection Devices		Simulate, Simulation
SHS	Simulation Hardware System	SIMA	Small Incremental Motion Actuator
SHTR	Shutter	SIMAS	Shuttle Information Management Accountability System
SHUTDN	Shutdown	SIMCOM	Simulation Complex
SI	Center Support Operations (KSC Directorate)	SIMFAC	Simulation Facility
	International Systems of Unit (ISU preferred)	SIMO	Simultaneously
	Scientific Instrument	SIMR	Systems Integration Management Review
	Solar Inertial	SIMS	Shuttle Imaging Microwave System
SIA	Shuttle Induced Atmosphere		Shuttle Inventory Management System
	Software Impact Assessment	SIMU	Simulated Inertial Measurement Unit
		SIN	Sine
		SINDA	Systems Improve Numerical Differenc- ing Analyzer

SIO	Serial Input/Output Systems Integration Office	SIT	Shuttle Integrated Test Shuttle Interface Test Situation
SIP	Scientific Instrument Package Separation Instrument Package Standard Interface Panel Strain Isolator Pad Systems Integration Office	SIU	Signal Interface Unit
SIPE	Scientific Instrument Protective Enclosure	SIV	Sieve
SIPS	Small Instrument Pointing System	SIVE	Shuttle Interface Verification Equipment
SIR	Shuttle Imaging Radar Software Initiated Restart System Interface Requirements Systems Integration Review	SKD	Singer, Kearfott Division
SIR-A	Shuttle Imaging Radar-A	SKIRT	Shuttle Kinetic Infrared Test
SIR-B	Shuttle Imaging Radar-B	SL	Sea Level Seal Shelf Life Sound Level Spacelab
SIRD	Support Instrumentation Requirements Document	SL&I	System Load and Initialization
SIRR	Software Integration Readiness Review	SL-D	German Spacelab
SIRTF	Space Infrared Telescope Facility	SL-J	Japanese Spacelab
SIS	SAIL Interface System Scanning Imaging Spectrometer Serial Input Special Shuttle Information System Shuttle Interface Simulator Simulator Interface System (Subsystem)	SL-SS	Spacelab Systems
	Software Implementation Specification Software Integrated Schedule Standard Interface Specification Superconducting-Insulating Superconducting Systems Integration Schedule	SL-SSS	Spacelab Subsystem(s) Segment
SISS	Scientific Instrument Support Structure	SLA	ERNO Spacelab Product Assurance Department Shuttle Laser Altimeter Super Light Ablator Support and Logistics Areas
SISWG	STS Integrated Schedule Working Group	SLAC	Stanford Linear Accelerator Center
		SLAHTS	Stowage List and Hardware Tracking System
		SLAK	Spacelab Late Access Kit
		SLAM	Side Load Arrest Mechanism
		SLAR	Side Looking Airborne Radar
		SLC	Shuttle Launch Complex (VAFB) Space Launch Complex ERNO Spacelab Project Control
		SLCA	ERNO Spacelab Contract Administration

SLCC	ERNO Spacelab Configuration Management	SM/PM	System Management/Performance Monitor
SLCL	Shop/Lab Configuration Layout	SMA	Science Monitoring Area
SLD	Stiff-Leg Derrick		Secondary Mirror Assembly
SLDPF	Spacelab Data Processing Facility	SMAB	Solid Motor Assembly Building
SLE	ERNO Spacelab Engineering	SMAG	Star Magnitude
SLEEC	Single Lap Extendible Exit Cone	SMART	Shuttle Meeting Action - Item Review Tracking
SLEMU	Spacelab Engineering Model Unit	SMATV	Satellite Master Antenna Television
SLF	Shuttle Landing Facility (OLF)	SMB	Space Meteorology Branch
SLI	ERNO Spacelab Integration and Test	SMC	Scientific Manpower Commission
SLL	Shelf Life Limit	SMCC	Shuttle Mission Control Center
SLM	Sound Level Meter	SMCH	Standard Mixed Cargo Harness
SLN	ERNO Spacelab Payload	SMCS	Separation Monitor and Control System
SLO	ERNO Spacelab Operations	SMCU	Separation Monitoring Control Unit
SLOS	Star Line of Sight	SMD	Spacelab Mission Development
SLP	ERNO Spacelab Program Office		Special Measuring Device
SLPB	Spacelab Program Board		Special Measuring Service
SLRV	Shuttle Launched Research Vehicle	SMDC	Shielded Mild Detonating Cord
SLS	Secondary Landing Site	SME	Subject Matter Expert
	Secondary Mirror	SMEAR	Span/Mission Evaluation Action Request
	Sortie Lab Simulator	SMES	Shuttle Mission Engineering Simulator
	Spacelab Simulator		Shuttle Mission Evaluation Simulation (Simulator)
	Spacelab Life Sciences		Superconduction Magnetic Energy Storage
	Statement Level Simulator	SMG	Spaceflight Meteorology Group
SLSA	Shuttle Logistics Support Aircraft	SMIA	Serial Multiplexer Interface Adapter
SLSMS	Spacelab Support Module Simulator	SMIDEX	Spacelab Middeck Experiments
SLT	ERNO Spacelab Technology	SMIR	Shuttle Multispectral Infrared Radiometer
SLV	Space Launch Vehicle	SML	Structure Mold Line
SM	Science Mission	SMM	Solar Maximum Mission
	Secondary Mirror		Subsystem Measurement Management
	Short Module		
	Shuttle Management (KSC)		
	Soft Manual		
	Stable Member		
	Support Module		
	Systems Management		
SM&S	Systems Management and Sequencing		

SMMD	Specimen Mass Measurement Device	SNSO	Space Nuclear Systems Office
SMOC	Simulation Mission Operation Computer	SNSR	Sensor
SMP	Software Management Plan	SO	Station Operator Support Operations (KSC Dir.)
SMPM	Structural Materials Property Manual	SO₂	Sulphur Dioxide
SMPTRB	Shuttle Main Propulsion Test Require- ment Board	SOAR	Shuttle Orbital Applications and Requirements
SMQ	Structure Module Qualification Test	SOARS	Shuttle Operation Automated Report- ing System
SMR	Source, Maintenance, and Recover- ability (Code)	SOATS	Support Operation Automated Training System
SMRD	Spin Motor Rotational Detector Spin Motor Run Discrete	SOC	Simulation Operations Center Simulation Operation Computer System Operating Concept System Option Controller
SMRM	Solar Maximum Repair Mission	SOCAR	Shuttle Operational Capability Assessment Report
SMS	Separation Mechanism Subsystem Shuttle Mission Simulator Solar Maximum Satellite Space Motion Sickness Synchronous Meteorological Satellite	SOCC	Satellite Operations Control Center
SMSCC	Shuttle Mission Simulator Computer Complex System	SOCH	Spacelab Orbiter Common Hardware
SMSI	Standard Manned Space Flight Initiator (see NSI-I)	SOCRD	Science Operations Center Require- ments Document
SMT	Selective Message Transaction	SOCS	Subsystem Operation and Checkout System
SMTAS	Shuttle Model Test and Analysis System	SODB	Shuttle Operational Data Book Start of Data Block
SMTF	Shuttle Mission Training Facility	SODS	Shuttle Operational Data System Skylab Orbit-Deorbit System
SMU	Soft Mockup	SOE	Science Operations Element Sequence of Events
SMVP	Shuttle Master Verification Plan	SOF	Safety of Flight
SMVRD	Shuttle Master Verification Require- ments Document	SOFI	Spray-on Foam Insulation
SMW	Standard Materials Worksheet	SOFIA	Stratospheric Observatory for Infrared Astronomy
SMY	Solar Maximum Year	SOFT	Space Operations and Flight Techniques
SN	Solar Network Space Network	SOGS	Science Operations Ground System
SNF	System Noise Figure	SOH	Start of Heading
SNR	Signal-to-Noise Ratio		
SNS	Station Network Simulator		

SOHO	Solar and Heliospheric Observatory	SOUP	Solar Optical Universal Photo- polarimeter
SOIS	Spacelab/Orbiter Interface Simulator	SOV	Shut-off Valve Solenoid Operated Valve
SOL	Solar Solenoid	SOW	Start of Word Statement of Work Subdivision of Work
SOLCON	Solar Constant	SOX	Supercritical Oxygen
SOLN	Solution	SP	Shoulder Pitch Shuttle Projects Office (KSC) Signal Processor Single Pole Single Precision Solar Physics Space Platform Spare Spin Standard or Peculiar Static Pressure
SOLSPEC	Solar Spectrum		
SOM	Ship Operations Manager (NASA) Spares Optimization Model Standard Operating Manual		
SOMF	Start of Minor Frame		
SOMS	Shuttle Orbiter Medical System		
SOP	Secondary Oxygen Pack Spacelab Opportunity Payload Standard Operating Procedure Subsystem(s) Operating Procedure Subsystem Operating Program Systems Operation Plan		
SOPC	Shuttle Operations and Planning Center Shuttle Operations Planning Complex	SP&S	Special Processes and Sequencing
SOR	Specification Operational Requirement Stable Orbit Rendezvous	SP-AF	Air Force STS Liaison Office (KSC Shuttle) Air Force Support Office (KSC)
SORD	Systems Operations and Requirements Document	SP-FGS	Flight and Ground Systems Office (KSC Shuttle)
SORPTR	South Repeater	SP-ILS	Integrated Logistics Support Office (KSC Shuttle)
SORTIE	Short Term Mission	SP-LMO	Logistics Management Office (KSC)
SOS	Serial Output Special Source of Supply Stabilized Optical Sight	SP-OPI	Operations Planning and Integration Office (KSC Shuttle)
SOSC	Space Operations Support Center	SP-OSO	Off-Site Offices (KSC Shuttle)
SOSM	Strap-On Solid Motor	SP-PAI	Project Assessment and Integration Staff (KSC)
SOT	Science Operations Team Solar Optical Telescope Strap-on Tank	SP-PCO	Project Control Office (KSC Shuttle)
SOTS	Suborbital Tank Separation	SP-SMO	Site Management Office (KSC Shuttle)
		SP-PMS	Performance Management Systems Office (KSC)

SPA	S-Band Power Amplifier Servo Power Amplifier Shared Peripheral Area Signal Processor Assembly Small Payload Accommodations Software Product Assurance Solar Panel Assembly Space Processing Application	SPCC	STS Processing Control Center
SPACE	Spacecraft Prelaunch Automatic Checkout Equipment	SPCS	Servicing Performance Checkout System
SPACECOM	Space Communications Company	SPCU	Simulation Process Control Unit
SPACEHAB	Space Habitat Modules	SPCW	Stored Program Command Word
SPAD	Shuttle Payload Accommodation Document Subsystem Positioning Aid Device	SPD	Speed Standard Practice Directive
SPADS	Shuttle Problem Analysis Data System Shuttle Problem Action Data System	SPDA	Software Preliminary Design Audit
SPAF	Simulation Processor and Formatter	SPDB	Subsystem Power Distribution Box
SPAH	Spacelab Payload Accommodations Handbook	SPDBK	Speed Brake
SPAN	Spacecraft Analysis	SPDCI	Standard Payload Display and Control Interface
SPAR	Space Project Applications Rocket	SPDM	Special Purpose Dextrous Manipulator
SPART	Space Research and Technology	SPDR	Software Preliminary Design Review
SPARTAN	Shuttle Pointed Autonomous Research Tool for Astronomy	SPE	Solid Polymer Electrolysis Space Physiology Experiment Static Phase Error
SPAS	Shuttle Pallet Satellite (German) Shuttle Payload Satellite	SPEAM-2	Sun Photometer Earth Atmosphere Measurements-2
SPKB	Speed Brake	SPEC	Specialist Function Specification
SPC	Servicing Performance Checkout System Shipping and Packing Cost Shuttle Processing Contractor Starting Point Code Stored Program Command Synoptic Properties Code	SPECT	Spectrometer
		SPEE	Special Purpose End Effector
		SPF	Single Point Failure Software Production Facility Spacelab Processing Facility
		SPFA	Single Point Failure Analysis
		SPFP	Single Point Failure Potential
		SPG	Signal Point Ground Single Point Ground
		SPHER	Spherical
		SPI	Surface Position Indicator
		SPIAP	Shuttle/Payload Integration Activities Plan
		SPICE	Spacelab Payload Integration and Coordination in Europe
		SPIDF	Support Planning Identification File

SPIDPO	Shuttle Payload Integration and Development Program Office (JSC)	SPP	Simulation Planning Panel Solar Physics Payload
SPIF	Standard Payload Interface Facility Shuttle Payload Integration Facility Shuttle/POCC Interface Facility Function	SPPIL	Shuttle Preferred Pyrotechnic Items List
SPII	Shuttle Program Implementation Instruction	SPPL	Spare Parts Provisioning List
SPIKE	Science Planning Interactive Knowledge Environment	SPPP	Spacelab Payloads Processing Project
SPIMS	Shuttle Program Information Management System	SPR	Software Problem Report Subcontractor Performance Review
SPIP	Solid Propulsion Integrity Program	SPRAG	STS Payloads Requirements and Analysis Group
SPKR	Speaker	SPRD	Single Pallet Rotation Device
SPL	Scratch Pad Line Serialized Parts List Sound Pressure Level Solar Plasma Laboratory System Programming Language	SPRT	Sequential Probability Ratio Test
SPL-1	Space Plasma Lab-1	SPS	Samples Per Second Secondary Propulsion System Service Propulsion Subsystem Shuttle Procedures Simulator Solar Power Satellite Spacelab Pallet System Statement of Prior Submission
SPLX	Simplex	SPSS	Science Planning and Scheduling System
SPLY	Supply	SPT	Support
SPM	Subsystem Project Manager	SPTB	Space Performance Test Battery
SPMD	Shuttle Projects Manager's Directive	SPTD	Supplemental Provisioning Technical Documentation
SPMS	Special Purpose Manipulator System	SPU	Spun Bypass Unit
SPN	Shuttle Project Notice (KSC)	SPVPPF	Shuttle Payload Vertical Processing Facility
SPND	Suspend	sq ft	Square Feet (ft ² preferred)
SPO	Shuttle Projects Office Spare Parts Order System Program Office	SQL	Squelch
SPOC	Shuttle Payload Operations Contractor Shuttle Payloads of Opportunity Carrier Shuttle Portable On-Board Computer	SQUID	Superconducting Quantum Interference Device
SPOM	STS Planning and Operations Management	SQW	Square Wave

SR	Scan Ratio	SRE	STDN Ranging Equipment
	Shift Register	SRF	Shuttle Refurbishment Facility
	Standard Repair	SRH	Subsystems Requirements Handbook
	Statement of Requirements	SRL	Space Radar Laboratory
	Status Register	SRM&QA	Safety, Reliability, Maintainability, and Quality Assurance
	Status Report	SRM	Solid Rocket Motor
	Status Review		Specification Requirements Manual
	Sunrise		Standard Reference Material
	Support Request	SRMC	Stimulus/Response Measurements Catalog
	Support Room		
SR&Q	Safety, Reliability, and Quality	SRN	Software Release Notice
SR&QA	Safety, Reliability, and Quality Assurance	SRO	Supervisor Range Operations
SRA	Spin Reference Axis	SRPA	Spherical Retarding Potential Analyzer
	Support Requirements Analysis	SRR	Shuttle Requirements Review
SRAD	Space Radiation Assembly Demonstration		Site Readiness Review
SRAG	Space Radiation Analysis Group		Software Requirements Review
SRB	Solid Rocket Booster	SRS	Simulated Remote Station
SRBAB	SRB Assembly Building		Software Requirements Specification
SRBDF	SRB Disassembly Facility		Specification Revision Sheet
SRBPF	SRB Processing Facility		Support Requirements System
SRC	Sample Return Container	SRSF	SRB Receiving and Subassembly Facility
SRCB	Software Requirements Change Board		SRB Refurbishment and Subassembly Facility
	Software Requirements Control Board	SRSR	Schedule and Resources Status Report
SRCBD	Software Requirements Change Board Directive	SRSS	Shuttle Range Safety System
	Software Requirements Control Board Directive	SRT	Shuttle Requirements Traceability
SRCH	Search		Special Rated Thrust
SRD	Shuttle Requirements Definition		Specification Requirements Table
	Shuttle Requirements Document		Station Readiness Test
	Systems Requirements Document		Supporting Research and Technology
SRDH	Subsystems Requirement Definition Handbook	SRU	Shop Replacement Unit
	System Requirements Definition Handbook		Shop-Replaceable Unit
			Space Replaceable Unit
		SRVL	Survival

SS	Shuttle System	SSCL	Shuttle System Commonality List
	Single Sideband	SSCP	Small Self-Contained Payloads
	Single String	SSCSP	Space Shuttle Crew Safety Panel
	Space Shuttle	SSD	Spacecraft Software Division
	Space Station		System Summary Display
	Station Set	SSDD	Software System Design Document
	Subsystem	SSDH	Subsystem Data Handbook
	Sunset	SSDS	Space Station Data System
	System Software	SSE	Small Science Experiment
	System Specification		Space Shuttle Engines
	System Summary		Subsystem Element
SS&A	Space Systems and Applications		Subsystem Support Equipment
SSA	S-Band Single Access	SSEOS	Space Shuttle Engineering and Operations Support
	Shuttle Simulation Aircraft	SSF	SRB Storage Facility
	Space Suit Assembly	SSFA	Space Station Furnace Facility
SSA I/O	GCOS Program Element Name	S.S. <i>Freedom</i>	Space Station <i>Freedom</i>
SSAT	Shuttle Service and Access Tower	SSFGSS	Space Shuttle Flight and Ground System Specification
	Space Shuttle Access Tower (now FSS)	SSFILSS	Space Station <i>Freedom</i> Integrated Logistics Support System
	Space Station Airlock Trainer	SSFL	Santa Susana Field Laboratory
SSB	Single Sideband	SSFMB	Space Station <i>Freedom</i> Manned Base
	Source Selection Board	SSFP	Space Station <i>Freedom</i> Program
SSBC	Summary Sheet Bar Chart	SSFS	Space Shuttle Functional Simulator
SSBUV	Shuttle Solar Backscatter Ultraviolet Instrument	SSHB	Station Set Handbook
SSC	Scanning Shadow Camera	SSHPF	Space Station Hazardous Processing Facility
	Shuttle System Contractor	SSI	Significant Structural Item
	Single-Stage Command	SSIBD	Shuttle System Interface Block Diagram
	Solid-Solution Cermet	SSID	Shuttle Stowage Installation Drawing
	Stennis Space Center	SSIP	Shuttle Student Involvement Project
	Subsystem Computer		Systems Software Interface Processing
	Subsystem Sequence Controller	SSIS	Space Station Information System
SSCA	Surface Sampler Control Assembly	SSITP	Shuttle System Integrated Test Plan
SSCC	Support Services Control Center	SSL	System Software Loader
	Space Station Control Center		
SSCE	Solid Surface Combustion Experiment		
SSCHS	Space Shuttle Cargo Handling System		

SSM	Sample Support Module Spacecraft Systems Monitor Subsystem Manager Support System Module Systems Support Module	SSPRO	Space Shuttle Program Resident Office
SSMB	Space Shuttle Maintenance Baseline	SSPS	Space Shuttle Program Schedule
SSME	Space Shuttle Main Engine	SSPTF	Santa Susana Propulsion Test Facility (see SSFL)
SSMEC	Space Shuttle Main Engine Controller	SSR	Shop Support Request Staff Support Room Station Set Requirement System Requirements Review
SSMECA	Space Shuttle Main Engine Controller Assembly SSME Controller Assembly	SSRD	Station Set Requirements Documents
SSO	Safety Signification Operation Source Selection Official Space Shuttle Orbiter Subsystem Operation (in Spacelab) Support System for OEX	SSRMS	Space Station Remote Manipulator System
SSOP	Space Systems Operating Procedure(s)	SSRN	System Software Reference Number
SSP	Small Sortie Payload Space Shuttle Program Standard Switch Panel	SSRR	Station Set Requirements Review
SSPC	Spacelab Stored Program Command	SSS	Sound Suppression System Space Shuttle System Stage Separation Subsystem Station Set Specification Subsystem Segment
SSPD	Shuttle System Payload Data Shuttle System Payload Definition (Study) Shuttle System Payload Description	SSSS	Space Shuttle System Specification
SSPDA	Space Shuttle Payload Data Activity	SST	Single System Trainer Spacecraft Systems Test Structural Static Test Subsystem Terminal on Spacelab
SSPDB	Subsystem Power Distribution Box	SSTC	Space Shuttle Test Conductor
SSPDS	Space Shuttle Payload Data Study	SSTF	Space Station Training Facility
SSPF	Space Station Processing Facility	SSTG	Space Shuttle Task Group
SSPGSE	Space Shuttle Program Ground Support Equipment	SSTO	Single Stage to Orbit
SSPM	Space Shuttle Program Manager	SSU	Space Station Utilization Office
SSPO	Space Shuttle Program Office	SSUS	Spinning Solid Upper Stage
SSPP	System Safety Program Plan	SSUS-A	SSUS for Atlas-Centaur Class Spacecraft
SSPPSG	Space Shuttle Payload Planning Steering Group	SSUS-D	SSUS for Delta Class Spacecraft
		SSUSP	Spinning Solid Upper Stage Project
		SSV	Space Shuttle Vehicle

ST	Self Test Sequential Timer Simplification Task Space Telescope Spacelab Technology Special Tooling Star Tracker Starter Static Structural	STBY	Standby
ST-ECF	Space Telescope European Coordinating Facility	STC	Satellite Test Center Spacecraft Test Conductor Standard Test Configuration Systems Test Complex
STA	Shuttle Training Aircraft Static Test Article Station Structural Test Article	STCP	Short-Term Cost Plan
STAB	Stabilize, Stabilizer	STD	Shuttle Test Director Standard
STAC	Shuttle Task Activation Contractor	STDCE	Surface Tension Driven Convection Experiment
STADAC	Station Data Acquisition and Control	STDCF	Space Telescope Data Capture Facility
STADAN	Satellite Tracking and Data Acquisition Network Space Tracking and Data Acquisition Network	STDL	Standard Distribution List (letter denoting which list follows)
STADN	Space Tracking and Acquisition Network	STDN	Space Tracking and Data Network Spaceflight Tracking and Data Network
STADU	System Termination and Display Unit	STDY	Steady
STAG	Shuttle Turnaround Analysis Group	STE	Special Test Equipment System Test Engineer
STAR	Scientific and Technical Report Shuttle Turnaround Analysis Report	STEP	Space Technology Experiments Platform
STARR	Schedule, Technical, and Resources Report	STEX	Sensor Technology Experiment
STAS	Space Transportation Architecture Studies	STF	Spin Test Facility (see DSTF) Structural Fatigue Test
STAT	Statistics Status	STG	Stage
STBD	Starboard	STICS	Suprathermal Ion Composition Spectrometer
STBE	Space Transportation Booster Engine	STIL	Software Test and Integration Laboratory
		STIRD	SAIL Test Implementation Requirements Document
		STL	Space Technology Laboratories
		STLOS	Star Line of Sight
		STM	Signal Termination Module Static Test Model Support Test Manager
		STME	Space Transportation Main Engine
		STN	Software Trouble Note

STO	Solar Terrestrial Observatory Stow	SUBJ	Subject
STOCC	Space Telescope Operations Control Center	SUM	Summary
STORE	Shuttle Test of Relativity Experiments	SUMC	Space Ultrareliable Modular Computer
STP	Self-Test Program Shuttle Technology Panel Space Technology Payload Space Test Program Subsystem Test Plan	SUMM	Summary
STP-1	Space Test Payload-1	SUMS	Shuttle Upper-Atmosphere Mass Spectrometer
STPH	Static Phase Error	SUP	Supply Support
STR	Structure System Test Review	SUPCRIT	Supercritical
STRB	Strobe	SUPPR	Suppression
STRCH	Stretch	SUPSALV	Supervisor of Salvage (U.S. Navy)
STRFLD	Star Field	SUPT	Support
STRG	Steering String	SUPV	Supervisor
STRL	Structural	SURE	Shuttle Users Review and Evaluation Space Ultraviolet Radiation Environ- ment
STRUC	Structure	SURF	Space Ultravacuum Research Facility Surface
STRUCT	Structure	SURS	Standard Umbilical Retraction System
STS	Shuttle Test Station Space Transportation System Structural Transition Section	SUSIM	Solar Ultraviolet Spectral Irradiance Monitor
STSci	Space Telescope Science Institute	SUTAGS	Shuttle Uplink Text and Graphics Scanner
STSG	Shuttle Test Group	SV	Safety Valve Solenoid Valve Shuttle Vehicle Space Vehicle Stator Vector
STSOPO	Shuttle Transportation Systems Operations Program Office (JSC)	SVA&C	Shuttle Vehicle Assembly and Checkout
STSR	System Test Summary Report	SVAB	Shuttle Vehicle Assembly Building
STT	Spacelab Transfer Tunnel	SVAC	Shuttle Vehicle Assembly and Checkout (Facility)
STU	Shuttle Test Unit Special Test Unit Star Tracker Unit	SVAFB	South Vandenberg Air Force Base
STV	Space Transfer Vehicle	SVB	Shuttle Vehicle Booster Space Vehicle Booster
SU	Support Unit	SVC	Supervisor Call
SUB	Substitute		

SVDS	Space Vehicle Dynamic Simulator	SYNC	Synchronize
SVM	Sensor Verification Mechanism	SYNCOM	Hughes Spin Stabilized Spacecraft
SVO	Space Vehicle Operations (KSC Dir.)		Synchronous Communication Satellite
SVRR	Software Verification Readiness Review		(Hughes)
SVS	Space Vision System Suit Ventilation System	SYS	System
SW	Sea Water Short Wave Software (SFTWE preferred) Solar Wing Status Word Switcher (Switch)	SYSTRAN	Systems Analysis Translator
SW/PM	System Management/Performance Monitor		
SWA	Support Work Authorization		
SWAA	Spacelab Window Adapter Assembly		
SWAD	Subdivision of Work Authorization Document		
SWAT	Stress Wave Analysis Technique		
SWG	Software Working Group		
SWICS	Solar-Wind Ion-Composition Spectrometer		
SWOB	Salaries, Wages, Overhead, and Benefits		
SWP	Safe Working Pressure		
SWR	Standing Wave Ratio		
SWS	Switch Scan		
SWT	Supersonic Wind Tunnel Sextant		
SXT	Sextant		
SY	Shoulder Yaw System		
SYM	Symbol		
SYMM	Symmetrical		
SYN	Synchronous Synthetic		

T			Timeline
			Transformer Load
T	Talk/Monitor	T/O	Takeover
	Temperature	T/R	Tape Recorder
	Test		Technical Report
	Thermostabilized		Transformer Rectifier
	Throttle Command		Transportation Request
	Time (liftoff)		Transmit/Receive
	Top		Transmitter/Receiver
	Total Temperature		Transportation Request
	Transformation (Matrix), Transpose (Matrix Superscript)		Turnaround Requirements
	Temperature Rate	T/T	Terminal Timing
T&C	Telemetry and Command		Timing/Telemetry
T&CD	Timing and Countdown	T/TCA	Thrust/Translation Control Assembly
T&CP	Test and Checkout Procedure	T/V	Thermal Vacuum
T&D	Transportation and Docking	T/W	Thrust Weight
T&E	Test and Evaluation		Thrust-to-Weight
T&M	Time and Materials	TA	Task Analysis
T&O	Test and Operations		Test Article
T+	Time Postintegration		Time Actual
T-	Time Prior to Launch		Travel Authorization
T-0	Time Zero		Trunnion Angle
T-O	Takeoff	TAA	Technical Assistance Agreement
T.B.	Toggle Buffer		Temporary Access Authorization
T.P.	Transition Period	TAC	Kennedy Space Center Landing Site, Florida (STDN Site)
T/A	Turnaround		Tactical Air Command
T/C	Telecommunications		Total Average Cost
	Temperature Compensating	TAC/RA	TACAN Radar Altimeter
	Termination Check	TACAN	Tactical Air Command and Navigation System
	Thrust Chamber		Tactical Air Navigation
T/CAP	Thermal Capacitor	TACH	Tachometer
T/D	Time Delay	TACO	Test and Checkout Operations
	Touchdown	TAD	Temperature and Dewpoint
T/E	Transporter/Erector	TAEM	Terminal Area Energy Management
T/L	Talk and Listen	TAG	Technical Air-to-Ground

TAGS	Text and Graphics System	TBC	Terminal Buffer Controller
TAIR	Test Assembly Inspection Record	TBD	To Be Defined
TAL	Transatlantic Abort Landing		To Be Determined
	Transoceanic Abort Landing		To Be Developed
TALAR	Tactical Approach and Landing Radar	TBE	To Be Evaluated
TAM	Thermal Analytical Model	TBF	Test de Bon Fonctionnement (Spacelab)
TAN	Tananarive, Madagascar (STDN Site)		
TAO	Trans-Atlantic Abort	TBI	Through-Bulkhead Initiator
TAP	Technical Achievement Plan	TBN	To Be Negotiated
	Telemetry Acceptance Pattern	TBP	To Be Provided
	Test Administration Plan	TBS	Task Breakdown Structure
	Total Air Pressure		To Be Specified
TAPS	Two-Axis Pointing System		To Be Superseded
TAR	Technical Analysis Request		To Be Supplied
	Test Action Requirement	TC	Telecommunications
	Test Agency Report		Temperature Compensating
TARC	Through Axis Rotational Control		Test Conductor (Contractor)
TAS	Telemetry Antenna Subsystem		Test Conductor (Controller)
	Test Article Specification		Thermal Control
	Tether Applications in Space		Thermocouple
	True Airspeed		Thiokol Corporation
TASPR	Technical and Schedule Performance Report		Thrust Chamber
TAT	Technical Acceptance Team		Time to Circular
	Total Air Temperature		Traceability Code
	Turnaround Time	TCA	Tracking Camera
TATI	Total Air Temperature Indicator		Thrust Chamber Assembly
TAU	Thousand Astronomical Units		Time to Closest Approach
TB	Talk Back	TCAB	Translation Controller Assembly
	Terminal Base		Temperature of Cabin
	Terminal Board	TCC	Test Control Center
	Time Base		Thermal Control Coating
	Time Duration of Burn	TCD	Thiokol Chemical Corporation
	Toggle Buffer		Test Completion Date
TBA	To Be Added	TCE	Test Control Document
	To Be Assigned	TCF	Thermal Canister Experiment
	To Be Announced		Tank Checkout Facility

TCG	Test Control Group Time Code Generator		Touch Down
TCI	Technical Critical Item	TD&SA	Telephone, Data, and Special Audio
TCID	Test Configuration Identifier Document	TDD	Task Description Document
TCMD	Transportation Control and Movement Document	TDK	Two-Dimensional Kinetics
TCN	Test Change Notice Transportation Control Number	TDM	Technology Demonstration Mission Time-Division Multiplexing (Multiplexer)
TCO	Taken Care of Test and Checkout	TDP	Temperature and Dewpoint Tracking Data Processor
TCOP	Test Checkout Plan(s)	TDR	Technical Design Review Technical Documentation Report
TCP	Task Control Packet Test Checkout Procedure Test Control Package Thrust Chamber Pressure		Test Discrepancy Report
TCR	Test Compare Results Test Conductor Test Constraints Review Thermal Concept Review	TDRR	Test Data Recording and Retrieval
TCRSD	Test and Checkout Requirements Spec. Documentation	TDRS	Telemetry Downlist Receiving Site Tracking and Data Relay Satellite
TCS	Technical Change Summary Technical Concurrence Sheets Test Control Supervisor Test Control System Thermal Control System (Subsystem)	TDRSS	Tracking and Data Relay Satellite System
TCSE	Thermal Control Surfaces Experiment	TDS	Technology Demonstration Satellite Test Data System
TCSSS	Thermal Control Subsystem Segment	TDU	Time Display Unit
TCTI	Time Compliance Technical Instruction	TDV	Test Data Van
TCTO	Time Compliance Technical Order	TDY	Temporary Duty
TCU	Tape Control Unit	TE	Test Equipment Time Earliest/Expected Timing Electronics Trailing Edge
TCV	Temperature Control Voltage Thrust Chamber Valve	TEA	Technical Exchange Agreement Transversely Excited Atmospheric (laser)
TD	Technical Directive Terminal Distributor Test Director (NASA) Time Delay	TEC	Test Equipment Center Thermal Electric Coolers
		TECH	Technical Technician
		TED	Trailing Edge Down
		TELCOM	Telecommunications
		TELESAT	TELESAT (Canadian Payload, Communication Satellite)

TEMP	Temperature Terminate Test and Evaluation Master Plan Thermal Energy Management Process	TGO	Time to Go
TEMS	Transport Environment Monitoring System	TGOWG	Teleoperator Ground Operations Working Group
TEOS	Tetraethyl Orthosilicate	TGS	Rate Gyro Assembly Telemetry Ground Station Telemetry Ground System Triglycine Sulfate
TEP	Technical Evaluation Panel Test Evaluation Plan	TGSE	Telemetry Ground Support Equipment
TER	Test Equipment Readiness Time Estimating Relationship	TGSS	Thermal Gradient Sensor System
TERL	Test Engineer Readiness List Test Equipment Readiness List	TGT	Target
TERM	Terminate	TH	Theodolite
TESH	Technical Shop	THC	Translation Hand Controller
TET	Test Evaluation Team	THDS	Time Homogeneous Data Set
TF	Test Facility Test Fixture	THEO	Theoretical
TFC	Time From Cutoff	THERM	Thermal
TFCS	Triplex Flight Control System (Subsystem)	THOLD	Threshold
TFDE	Tank Fluid Dynamics Experiments	THOUS	Thousand
TFE	Tetrafluorethylene Time From Event	THP	Thrust Horsepower
TFF	Time to Free Fall	THS	Hughes Satellite
TFI	Time From Ignition	THROT	Throttle
TFL	Telemetry Format Load Time From Launch	TI	Information Systems (KSC Directorate) Information Systems (TS) Technical Integration Thermal Phase Initiator Training Integrator (Integration)
TFOV	Total Field of View	TIC	Technical Information Center Total Item Change
TFR	Trouble and Failure Report	TICM	Test Interface and Control Module
TFS	Telemetry Format Selection	TIDE	Thermal Ion Dynamics Experiment
TFU	Test Facility Utilization	TIFS	Total In-Flight Simulator
TG	Ground Systems (KSC Directorate) Ground Systems, TS	TIG	Time of Ignition Tungsten Inert Gas
TGA	Thermal Gravimetric Analysis Trace Gas Analyzer	TII	Tooling Inspection Instrumentation
TGH	Tile Gap Heating Effects Experiment	TIM	Technical Interchange Meeting Time Interval Monitor

TIP	Thrust Inlet Pressure Time Interval Processor	TMG	Thermal Meteoroid Garment
TIROS	Topographical Infrared Operations Satellite	TMI	Technical Management Items
TIS	Test Interface Subsystem	TML	Total Mass Loss
TISRS	Tether Initiated Space Recovery System	TMM	Thermal Math Model
TISP	Teacher in Space Project	TMO	Test Manufacturing Order Tool Manufacturing Order
TK	Tank	TMP	Terminal Panel Time Mangement Processor
TKSC	Tsukuba Space Center	TMPRY	Temporary
TL	Traceability Lot Thrust Level Time Latest Transient Load	TMPV	Torquemotor Pilot Valve
TLC	Telecommand	TMR	Timer
TLCE	Transmission Line Conditioning Equipment	TMU	Temperature Measurement Unit
TLD	Thermoluminescent Dosimeter	TMV	Thermal Margin Verification
TLM	Telemetry	TN	Technical Note
TLS	Time Line Sheet Top Left Side	TNL	Tunnel
TLSA	Torso Limb Suit Assembly	TNT	Trinitrotoluene
TLSCP	Telescope	TO	Operations Management (KSC Directorate) Operations Management (TS) Takeoff Task Order Technical Order
TLV	Threshold Limit Value Transporter—Loader Vehicle	TOC	Test Operations Center Test Operations Change Total Organic Carbon
TM	Member Traceability Table Maintenance Technical Management Telemetry Time Management Traffic Model	TOF	Test Operations Facility
TMA	Technology Mirror Assembly	TOG	Toggle
TMB	Transportation Management Bulletin	TOGA	Tropical Ocean Global Atmosphere
TMBU	Table Maintenance Block Update	TOI	Transfer Orbit Insertion
TMC	Test Monitoring Console	TOL	Tolerance
TMF	Transporter Maintenance Facility	TOO	Test Operations Order Threshold of Odor
TMECO	Time of Main Engine Cutoff	TOP	Technical Operating Procedure Tether Optical Phenomena
		TOPEX	Topographical Explorer
		TOPS	Transistorized Operational Phone System

TOS	Test Operating System Transfer Orbit Stage	TPR	Teleprinter Test Problem Report
TOT	Total	TPS	Test Preparation Sheet Thermal Protection Subsystem
TOW	Tank and Orbiter Weight		Thermal Protection System (SRB, ET, or Orbiter)
TP	Test Point Test Port Test Procedure Time to Perigee Training Plan Transition Period (T.P. preferred) True Position Turbopump Type		Twisted Pair Shielded
TP&C	Thermal Protection and Control	TPSE	Thermal Protection Subsystem Experiments
TPA	Test Preparation Area	TPTA	Transient Pressure Test Article
TPAD	Trunnion Pin Attachment Device Trunnion Pin Acquisition Device	TPUN	Test Procedure Update Notice
TPC	Telemetry Preprocessor Computer	TQM	Total Quality Management
TPDM	Three-Point Docking Mechanism	TR	Technical Report Technical Review Test Request Thrust Reverser Time to Retrofire Transportation Request
TPDS	Test Procedures Development System	TR/SBS	Teleoperator Retrieval/Skylab Boost System
TPE	Test Project Engineer	TR1	Payload Furnished Mars Tape Recorder (1 of 2)
TPF	Terminal Phase Finalization (Braking) Terminal Phase Finish Transfer Phase Final Tug Processing Facility	TR2	Payload Furnished Mars Tape Recorder (2 of 2)
TPI	Terminal Phase Initiation Maneuver	TRA	Training Requirements Analysis Turnaround Requirements Analysis
TPITS	Two-Phased Integrated Thermal System	TRACS	Tool-Record Accountability System
TPM	Technical Performance Measurement (System) Terminal Phase Maneuver Terminal Phase Midcourse Transfer Phase Midcourse	TRAJ	Trajectory
TPM1	Terminal Phase Midcourse #1	TRANS	Transition Translation
TPM2	Terminal Phase Midcourse #2	TRANSL	Translation
TPO	Test Program Outline	TRB	Technical Review Board Test Review Board
		TRBL	Troubleshooting
		TRCP	Tape Recorder Control Panel (L10)
		TRD	Test Requirements Document
		TREM	Tropical Rainfall Explorer Mission

TRF	Tuned Radio Frequency	TSCO	Test Support Coordination Office
TRIPS	Travel Information Processing System		Test Support Coordinator
TRIS	Trapped Ions in Space	TSCP	Training Simulator Control Panel
TRK	Track	TSD	Test Start Date
TRKR	Tracker	TSE	Transportation Support Equipment
TRL	Test Readiness List	TSGP	Test Sequence Generator Program (ESTEC)
TRN	Trunnion	TSLD	Troubleshooting Logic Diagram
TRNG	Training	TSM	Tail Service Mast
TRQ	Torque		Trade Study Management
TRR	Test Readiness Review	TSO	Time Sharing Option
TRRB	Test Readiness Review Board		Time Since Overhaul
TRS	Teleoperator Retrieval System	TSP	Test Software Program
	Time Reference System		Twisted Shielded Pairs (Cables)
	Top Right Side	TSR	Technical Status Review
	Troubleshooting Record Sheet		Test Status Report
	Tug Rotational System		Tumbling Satellite Recovery
TRSD	Test Requirements Specification Document	TSRA	Total System Requirements Analysis
TRUN ANG	Trunnion Angle	TSS	TAPS Support System
TS	Traceability Serial		Time Sharing System
	Technical Support (KSC Directorate)		TPS Summary Sheet Control
	Telescope Scientist		Tug Structural Support
	Tensile Strength	TSSU	Test Signal Switching Unit
	Test Site	TST	Technical Support Team
	Test Stand		Test
	Test Station	TSU	Thermal Structural Unit
	Time Scheduled		Time Standard Unit
	Timing System	TSW	Test Software
TSA	Test Start Approval		Test Switch
TSAC	Tracking System Analytical Calibration	TT	Terminal Timing
TSB	Temporary Stowage Bag		Thrust Termination
	Twin Sideband		Total Temperature
TSC	Test Setup Complete		Total Time
	Test Support Coordinator	TT&C	Tracking Telemetry and Control
	Two-Stage Command	TTA	Thermomechanical Test Area
TSCION	TSC I/O Number		Time to Apogee
		TTB	Technology Test Bed

TTC	Telemetry, Tracking, and Command Time to Circularize (Orbit) Tunnel Thermal Control	TVSA	Thrust Vector Control Servoamplifier
TTCA	Thrust Translation Controller Assembly	TVSSIS	TV Subsystem Interconnecting Station
TTCV	Tracking Telemetry, Command, and Voice	TVT	Thermal Vacuum Test
TTE	Time to Event	TVTA	Thermal Vacuum Test Article
TTEL	Tool and Test Equipment List	TW	Tailwind Thumbwheel Time Words Traveling Wave
TTG	Time to Go	TWD	Twisted Double Shielded
TTL	Transistor-Transistor Logic	TWG	Test Working Group
TTLM	Through-the-Lens Light Metering	TWL	Total Weight Loss
TTP	Time to Perigee	TWR	Tower
TTU	Timing Terminal Unit	TWT	Traveling Wave Tube Trisonic Wind Tunnel (Rockwell)
TTV	Termination, Test, and Verification	TWTA	Traveling Wave Tube Amplifier
TTY	Teletype	TWX	Teletype Wire Transmission
TU	Technical Utilization Technology Utilization Transport Unit	TX	Translation Hand Controller X-Axis Direction Transmit Channel
TUL	Tula Peak, NM (STDN site)	TX/RX	Transmitter/Receiver
TURB	Turbine	TY	Translation Hand Controller Y-Axis Direction
TV	Television Thermal Vacuum Thrust Vector Transport Vehicle	TYP	Typical
TVA	Thrust Vector Alignment	TZ	Translation Hand Controller Z-Axis Direction
TVAR	Test Variance		
TVC	Thermal Vacuum Chamber Thrust Vector Control		
TVCA	Thrust Vector Control Actuator		
TVCD	Thrust Vector Control Driver		
TVCS	Thrust Vector Control System		
TVEXPIS	TV Experiment Interconnecting Station		
TVN	Test Verification Network		
TVOPS	Television Operations Controller		
TVP	Test Verification Program		
TVS	Toxic Vapor Suit		

U

U	Underfloor	UDL	Updata Link
	Uranium		Update Link
U-SB	Unified S-Band	UDMH	Unsymmetrical Dimethylhydrazine
U/C	Under Current	UDMH/H	Unsymmetrical Dimethylhydrazine Hydrazine Blend
U/D	Update	UDOP	Ultrahigh Doppler
U/L	Unlink (UPLK preferred)	UDS	Universal Documentation System
U/M	Unit of Measure	UER	Unique Equipment Register
	Unmanned	UF	Microfarad
	Unscheduled Maintenance	UFD	User File Directory
U/O	Used on	UG	Microgram
U/S	Upper Stage	UHB	User Home Base
	Upstream	UHF	Ultrahigh Frequency
U/V	Under Voltage	UHV	Ultrahigh Vacuum
U/W	Used With	UI	Unit of Issue
UA	Microampere		User Interface
UAB	University of Alabama in Birmingham	UIC	User Identification Code
UARS	Upper Atmosphere Research Satellite	UIO	User Integration Office
UB	Upper Brace	UIT	Ultraviolet Imaging Telescope
	Utility Bridge	UKIRT	United Kingdom Infrared Telescope
UBE	Universal Bus Exercisor	UL	Underload
UBIC	Universal Bus Interface Controller		Uplink
UC	Unsatisfactory Condition		Upper Left (S-Band Antenna)
UCC	Universal Checkout Console		Upper Limit
UCD	Urine Collection Device	ULA	Fairbanks, Alaska (STDN Site)
UCN	Uniform Control Number	ULC	Unpressurized Logistics Center
UCPU	Urine Collection and Pretreatment Unit	ULE	Ultralow Expansion
UCR	Unsatisfactory Condition Report	ULEP	Useful Life Extension Program
UCS	Uniform Coding System	ULL	Ullage
	Universal Control System	ULO	Unmanned Launch Operation
	Utilities Control System	ULT	Ultimate
UCTA	Urine Collection Transfer Assembly		Ultimate Load Test
UD	Update	ULVIM	Ultraviolet Limb Imaging
UDB	Update Buffer	UMB	Umbilical
UDF	Utility and Data Flow	UMBC	Umbilical Cord Cable
		UMI	Urine Monitoring Investigation
		UMO	Unmanned Orbital

UMS	Urine Monitoring System	USBS	Unified S-Band System (Subsystem)
UMVF	Unmanned Vertical Flight	USC	United States Code
UNBAL	Unbalance	USDA	United States Department of Agriculture
UNDK	Undock	USE	User Support Equipment
UNDV	Undervoltage	USEC	Microsecond
UNISAT	United Satellite LTD	USGS	United States Geological Survey
UNIV	Universal	USI	Update Software Identity
UNLCH	Unlatch	USMC	United States Marine Corps
UNLK	Unlock	USML	United States Microgravity Laboratory
UOF	User Operations Facility	USMP	United States Microgravity Payload
UP	Upper	USN	United States Navy
UPN	Unique Project Number	USNS	United States Navy Ship
UPP	User Parameter Processing	USOC	User Support and Operations Center
UPLK	Uplink	USR	User Support Room
UPS	Uninterruptible Power Supply Uninterruptible Power System Upright Perigee Stage	USRA	Universities Space Research Association
UPTLM	Uplink Telemetry	USS	United States Ship United States Standard Utility Support Structure
UR	Unsatisfactory Report Upper Right User Room	UST	United States Testing (Company) Universal Servicing Tool Universal Standard Time
URA	Uniformly Redundant Array Urine Receptacle Assembly	USV	Upper Stage Vehicle
URD	User Requirements Document	UT	Umbilical Tower Unit Tester Universal Time
URN	Urine	UT&GS	Uplink Text and Graphics System
URT	Upright	UTC	Universal Time Coordinated United Technology Center Unit Test Cases United Technologies Corporation Universal Test Console
US	United States Upper Stage	UTE	Universal Test Equipment
USA	United States of America Upper Stage Adapter	UTIL	Utility
USAF	United States Air Force	UTLM	Up Telemetry
USAFA	United States Air Force Academy		
USB	Unified S-Band Upper Side Band		
USBE	United S-Band Equipment		
USBI	United Space Boosters, Inc.		

UTRC	United Technology Research Center
UTS	Ultimate Tensile Strength Urine Transfer System
UU	Micromicron (name micron obsolete); use μm (micrometer)
UUT	Unit Under Test
UV	Microvolt (mV) Ultraviolet Under Voltage (U/V preferred)
UVD	Under Voltage Device
UVF	Unmanned Vertical Flight
UVS	Unmanned Vehicle System
UVSP	Ultraviolet Spectrometer and Polarimeter
UVX	Ultraviolet Cosmic Background Experiment Ultraviolet Experiment
UW	Microwatt
UWS	User Work Station

V

V	Valve	VAB	Vehicle Assembly Building
	Velocity	VAC	Vacuum
V	Verb		Vehicle Assembly and Checkout
	Voice		Volts, ac
	Volt	VAD	Vandenberg Addendum Document
	Voltage	VAFB	Vandenberg Air Force Base
V P-P	Voltage Peak-to-Peak	VAK	Vertical Access Kit
V&DA	Video and Data Acquisition		Vertical Assembly Kit
	Video and Data (Processing)	VAL	Valid
	Assembly	VALID	Validation
V&V	Validation and Verification	VAN	USNS Vanguard (STDN)
V-A	Vibro-Acoustic	VAP	Vapor
	Volt-Ampere	VAR	Variable, Variance, Variation
V-BAND	46,000 to 56,000 MCS		Verification Analysis Report
V-BAR	Velocity Vectory Axis		Volt Ampere Reactive
V-CITE	Vertical-Cargo Integration Test	VASI	Visual Approach Slope Indicator
	Equipment	VAST	Versatile Avionics System Tester
V-RTIF	Vandenberg Real Time Interface	VAT	Vehicle Acceptance Test
V/A	Video/Analog		Vibroacoustic Test
V/C	Vector Control	VATA	Vibroacoustic Test Article
	Velocity Counter	VATF	Vibration and Acoustic Test Facility
V/H	Velocity-to-Height	VC	Vector Character
V/M	Velocity Meter		Velocity Counter
V/V	Validation and Verification (also	VCAP	Vehicle Charging and Potential
	V&V)		Experiment
	Vent Valve	VCB	Vertical Location of the Center of
VA	Vehicle Accommodations		Buoyancy
	Velocity at Apogee	VCC	Verification Code Counter
	Vibroacoustic Test	VCD	Verification Control Document
	Volt Ampere	VCD(S)	Vapor Compression Distillation
VA/VT/A	Vibroacoustic/Thermal/Vacuum Test		(Subsystem)
	Article	VCE	Vehicle Cycle Engine
VAA	Vehicle Assembly Area		Voice
	Viewpoint Adapter Assembly	VCG	Vapor Crystal Growth
			Vector Cardiogram
			Vertical Location of the Center of
			Gravity

VCGS	Vapor Crystal Growth System	VEEGA	Venus-Earth-Earth Gravity Assist (Trajectory Used for Galileo to Jupiter)
VCI	Velocity Change Indicator	VEEI	Vehicle Electrical Engine Interface
VCM	Volatile Condensable Material	VEFCO	Vertical Functional Checkout
VCN	Verification Completion Notice	VEH	Vehicle
VCO	Voltage Controlled Oscillator (Oscillation)	VEH ID	Vehicle Identification
VCP	Vandenberg Contract Report	VEI	Vehicle End Item
VCR	Verification Complete Reports Video Cassette Recorder	VEL	Velocity
VCRS	Video Compression and Reconstruc- tion System	VER	Verify, Verification
VCS	Verification Control Sheet Voice Command System	VERIF	Verification
VCT	Voltage Control Transfer	VERLORT	Very Long Range Tracking Radar
VCTR	Vector	VERN	Vernier
VCU	Video Control Unit	VERT	Vertical
VDA	Valve Driver Assembly Vapor Diffusion Apparatus Variable Data Area	VF	Vertical Flight Video Frequency
VDB	Verification Data Base	VFE	Vendor Furnished Equipment
Vdc	Volts, dc	VFI	Verification Flight Instrumentation
VDD	Verification Description Document Version Description Document	VFO	Variable Frequency Oscillator
VDI	Vendor Documentation Inventory Vertical Display Indicator	VFR	Visual Flight Rules
VDS	Vehicle Dynamics Simulator	VFT	Verification Flight Test
VDT	Vehicle Data Table	VGIMU	Velocity To Be Gained as Related to IMU Orientation
VDU	Visual Display Unit	VGOR	Vandenberg Ground Operations Requirement Vehicle Ground Operation Requirements
VE	Equivalent Velocity Shuttle Engineering (KSC VBO Directorate)	VGP	Vehicle Ground Point
VECIB	Vehicle Engineering Change Imple- mentation Board	VGT	Vehicle Ground Test
VECO	Vernier Engine Cutoff	VGVT	Vertical Ground Vibration Test
VECP	Value Engineering Change Proposal	VGX	Velocity To Be Gained (Body X-Axis)
VEDS	Vehicle Emergency Detection System	VGY	Velocity To Be Gained (Body Y-Axis)
		VGZ	Velocity To Be Gained (Body Z-Axis)
		VHAA	Very High Altitude Abort
		VHF	Very High Frequency
		VHF/AM	Very High Frequency Amplitude Modulator

VHF/DF	Vehicle High Frequency Direction Finder	VLV	Value Valve
VHSIC	Very High Speed Integrated Circuit	VM	Virtual Memory Voltmeter
VI	Internal Velocity	VMF	Vertical Maintenance Facility
VIA	By Means of (By Way of)	VMRR	Vendor Material Review Report
VIB	Vertical Integration Building Vibrate, Vibration	VMS	Velocity Measuring System
VIC	Visitors Information Center	VO	Shuttle Operations (KSC Directorate) Space Vehicle Operations (KSC Dir.) Vehicle Operations Velocity Initial Voice
VID	Video	VOIR	Venus Orbiter Imaging Radar
VIDD	Vertical Interval Data Detector	VOL	Volume
VIL	Verified Item List	VOLT-A	Voltage Operating Limit Tests-A
VIP	Verification Integration Plan	VOM	Volt-ohm-meter
VIR	Visible Infrared Radar	VOMD	VAFB Operations and Maintenance Documentation
VIRD	Verification Implementation Requirements Document	VOR	VHF Omnidirectional Radio Range
VIS	Verification Information System Visibility Visual	VOR-DME	VHF Omni Range-UHF Distance Measuring Equipment
VIS/UV	Visual/Ultraviolet	VORTAC	VHF Omni Range Tactical Air Navigation Variable Omni Range Tactical (VOR and TACAN)
VISC	Viscosity	VOT	VHF Omni Test
VITS	Video Teleconferencing System	VOX	Voice Operated Transmitter (Transmission)
VITT	Vehicle Integration Test Team	VP	Shuttle Payloads (KSC VO Dir., see CO, CS, CV) Vacuum Pump Verification Polarization Vertical Polarization Viewpoint
VIU	Video Interface Unit	VPC	Vapor Phase Compression
VJ	Vacuum Jacketed	VPF	Vertical Processing Facility
VL	Expendable Vehicles (KSC VO Dir.)	VPHD	Vertical Payload Handling Device
VLA	Very Large Array		
VLBA	Very Long Base Antenna Very Long Base Array		
VLBI	Very Long Baseline Interferometer		
VLF	Very Low Frequency		
VLPS	Vandenberg Launch Processing System		
VLR	Very Low Range		
VLS	Vandenberg Launch and Landing Site		
VLSIC	Very Large Scale Integrated Circuit		
VLSID	Very Large Scale Integrated Device		

VPI	Valve Position Indicator	VT	STS Processing (KSC VO Dir.)
VPK	Volts Peak		Vent
VPM	Vehicle Project Manager		Verification Test
VPPA	Variable Polarity Plasma Arc	VT/FT	Verification Test/Flight Test
VR	Variable Reluctance	VTA	Vehicle Test Area
	Velocity, Relative		Vertical Test Area
	Video Recorder	VTE	Variable Thrust Engine
	Voltage Regulator	VTF	Vertical Test Flight
	Voltage Relay	VTM	Vibration Test Module
VRA	Velocity Referenced Attitude	VTN	Verification Test Network
VRB	VHF Recovery Beacon	VTP	Vehicle Test Plan
VRCS	Vernier Reaction Control System		Verification Test Plan
VREL	Relative Velocity		Verification Test Program
VRF	Vertical Removal Fixture	VTR	Verification Text Reports
VRL	Vertical Recovery Line		Video Tape Recorder
	Vertical Reference Line	VTS	Vandenberg Tracking Station
VRMS	Volts Room Mean Square		Vertical Test Site
VRNR	Vernier		Vertical Test Stand
VRR	Verification Readiness Review		Vertical Test System
VRSD	Verification Requirements and Specification Document	VTVM	Vacuum Tube Voltmeter
VS	Staging Velocity	VTX	Vertex
	Vestibular Sled (Spacelab D-1 Exp.)	VU	Vehicle Unit
vs	Versus		Vehicle Utility
VSA	Variable Stability Aircraft		Volume Unit
	Verification Site Approval	VUV	Vacuum Ultraviolet
VSB	Vestigial Side Band	VV	Velocity Vector
VSD	Vertical Situation Display		Vent Valve
VSN	Video Switching Network		Vertical Velocity
VSI	Vertical Speed Indicator	VVI	Vertical Velocity Indicator
	Video Simulation Interface	VWFC	Very Wide Field Camera
VSO	Very Stable Oscillator	VWG	Verification Working Group
VSTAG	Vandenberg Shuttle Turnaround Analysis Group	VX	Velocity Along the X-Axis
VSWR	Visual Standing Wave Ratio	VY	Velocity Along the Y-Axis
	Voltage Standing Wave Ratio	VZ	Velocity Along the Z-Axis

W

W	Watt	WBC	White Blood Cells
	West	WBDI	Wideband Data Interleaver
	Wide	WBDS	Wide Band Data Separator
	Window	WBR	Work Bench Rack
W&B	Weight and Balance	WBS	Work Breakdown Structure
W&C	Wire and Cable	WBSC	Wide-Band Signal Conditioner
W-G	Water-Glycol	WBT	Wide-Band Terminal
W/	With	WBTS	Wide-Band Transmission System
W/B	Wideband	WCCS	Window Contamination Control Number
W/E	Wing Elevon	WCCU	Wireless Communications Control Unit
W/G	Water/Glycol	WCDB	Work Control Data Base
W/h	Watt-Hour	WCDDT	Wet Countdown Demonstration Test
W/O	Without	WCL	Water Coolant Line Water Coolant Loop
W/S	Work Station	WCP	Wing Chord Plane
W/T	Wind Tunnel	WCS	Waste Collection System Work Control System Writable Control Storage
W/W	Weather Wheel Well Wrist Yaw	WD	Width Wired Discrete Word Work Days
W/WMS	Waste/Waste Mangement System (Subsystem)	WEA	Weather
WA	Wide Angle Work Authorization	WEFAX	Weather Facsimile
WAD	Work Authorization Document	WES	Water Electrolysis System
WAD/SO	Work Authorization Document/Shop Order	WETS	Weightless Environment Training System
WAMDII	Wide Angle Michelson Doppler Imaging Inferometer	WF	Wide Field
WAN	Work Authorization Number	WF/PC	Wide Field/Planetary Camera
WAR	Work Authorization Report	WFC	Wide Field Camera
WARN	Warning	WFF	Wallops Flight Facility
WAT	Web Action Time	WFPC	Wide Field Planetary Camera
WB	Waterboiler Wet Bulb Wide Band	WG	Wage Grade Wave Guide Wing
		WGS	Water Glycol Service Unit

WHL	Wheel	WPMCP	Work Package Manpower and Cost Plan
Whr	Watt-Hour	WPP	Water Pump Package
WIB	When Interrupt Block		Work Package Plan
WIF	Water Immersion Facility	WPPS	Work Package Planning Sheet
WIN	Irwin, Australia	WPS	Words Per Second
WINDS	Weather Information Network Display System	WR	Weather Radar
WIP	Work in Progress		Wrist Roll
WISP	Waves in Space Plasma	WRG	Wiring
WIX	Wait for Index	WRL	Wing Reference Line
WL	Wavelength	WRM	Water Recovery and Management
	Werkstofflabor (Spacelab D-1 Exp.)	WRO	Work Release Order
WM	Waste Mangement	WS	Water Servicer
WMC	Waste Management Compartment		Wind Shield
WMS	Waste Management System		Work Statement
WND	Wind	WSB	Water Spray Boiler
WO	Work Order	WSC	Wide-Band Signal Conditioner
WOC	Work Order Control	WSCC	Work Station Control Center
WOCE	World Ocean Circulation Experiment	WSD	Wide-Band Data
WONG	Weight on Nose Gear	WSGS	White Sands Ground Station
WORM	Write Once-Read Many Technology	WSGT	White Sands Ground Terminal
WOSE	Weather Office in Space Evaluation	WSM	Waste Storage Module
WOW	Weight on Wheels	WSMC	Western Space and Missile Center
	Worst on Worst	WSMR	White Sands Missile Range
WOWLON	Weight on Wheels Lock on	WSO	Water Servicer Operator
WP	Way Point	WSSH	White Sands Space Harbor
	Work Package	WSTF	White Sands Test Facility
	Working Pressure	WSU	Water Servicing Unit
	Wrist Pitch	WSWR	Variable Standing Wave Ratio (Rate)
WPAFB	Wright Patterson Air Force Base	WT	Watchdog Timer
WPC	Watts Per Candle		Weight
WPD	Work Package Description		Wire Ticket
WPF	Work Process Flow	WTA	Wire Traceability and Accountabiilty
WPG	Work Package Grouping	WTR	Water
WPI	Work Process Indicator		Western Test Range
	Work Progress Indicator	WTR SYS	Water System
WPM	Words Per Minute	WTSC	Wet Tantalum Slug Capacitor

WTT Wind Tunnel Test
WUC Work Unit Code
WUCF Work Unit Code File
WUSCI Western Union Space Communica-
tions, Inc.
WUPPE Wisconsin Ultraviolet Photo Polar-
imeter Experiment
WVCF Western Vehicle Checkout Facility
WW Water Waste
Wire Wrap
WWMS Waste Water Management System
WX Weather

X

X	Times (by, trans-)
XL	X-Axis of Spacelab
XO	X-Axis of Orbiter
XP	X-Axis of Payload
XS	X-Axis of Solid Rocket Booster
XT	X-Axis of External Tank
XCVR	Transceiver
XDA	X-Ray Detector Assembly
XDCR	Transducer
XDUCER	Transducer
XFD	Crossfeed
XFER	Transfer
XLTN	Translation
XMM	X-Ray Multimission
XMT	Transmit
XMTR	Transmitter
XNS	Xerox Network Systems
XO	Orbiter Structural Body Reference, X-Axis
XP	Payload Structural Body Reference, X-Axis
XPNDR	Transponder
XRCF	X-Ray Calibration Facility
XRD	X-Ray Diffraction
XRP	X-Ray Polychromator
XRS	X-Ray Spectrometer
XRT	X-Ray Telescope
XSST	X-Ray Spectrometer/Spectrograph Telescope
XTA	X-Ray Telescope Assembly
XTAL	Crystal
XTE	X-Ray Timing Explorer
XUV	Extreme Ultraviolet (also EUV)

Y		YVVL	Integrated Logistics Support Division (SD)
Y	Horizontal Axis-Width of Vehicle Lateral Acceleration Out-of-Plane Position Y-Axis Y-Axis, Horizontal-Width of Vehicle/Structure Yaw Out-of-Plane Velocity Y-Axis Rate of Change	YVVO	Operations Division
		YVVS	DOD Mission Support Division, JSC (SD)
YL	Y-Axis of Spacelab		
YO	Y-Axis of Orbiter		
YP	Y-Axis of Payload		
YS	Y-Axis of Solid Rocket Booster		
YT	Y-Axis of External Tank		
YAR	Yarragadee (STDN Site)		
yd	Yard		
YP	Yield Pointer		
yr	Year		
YS	Yield Strength		
YSC	Yearly Spares Cost		
YST	Yearly Spares Cost		
YT	Station Identification Symbol		
YV	Deputy for Space Launch Systems		
YVC	Directorate of Configuration and Information Management		
YVCB	Configuration/Data Management Division		
YVGF	Financial Management Division (SD)		
YVGR	Requirements and Analysis Division (SD)		
YVV	Directorate of Launch Base Operations		
YVV-1	Program Safety Office (SD)		
YVVE	Engineering Division		
YVVI	Inertial Upper Stage (SD)		

Z

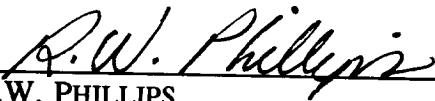
Z	Impedance
	Normal Acceleration (Load Factor)
	Z-Axis Direction
	Z-Axis Rate of Change
	Zone
	Zulu (Greenwich Mean Time—GMT)
ZL	Z-Axis of Spacelab
ZO	Z-Axis of Orbiter
ZP	Z-Axis of Payload
ZS	Z-Axis of Solid Rocket Booster
ZT	Z-Axis of External Tank
ZBB	Zero Base Budget
ZC	Zero Calibration
ZCG	Impedance Cargiogram
ZGT	Zero Gravity Trainer
ZI	Zone of Interior (Continental USA)
ZIF	Zero Insertion Force
ZLV	Z Local Vertical (Payload Bay Toward Earth)
ZO	Station Identification Symbol, Orbiter X-Axis
ZOE	Zone of Exclusion
ZOP	Zero Operational Ajont Code
ZPN	Impedance Cardiogram Impedance Pneumogram
ZrO₂	Zirconium Oxide
ZSI	Z Solar Inertial (Payload Bay Facing Away From Sun)

APPROVAL

**SPACE TRANSPORTATION SYSTEM AND ASSOCIATED PAYLOADS:
GLOSSARY, ACRONYMS, AND ABBREVIATIONS**

Compiled By
Management Operations Office
and Space Shuttle Projects Office

The information in this report has been reviewed for technical content. Review of any information concerning Department of Defense or nuclear energy activities or programs has been made by the MSFC Security Classification Officer. This report, in its entirety, has been determined to be unclassified.



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