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MANNED SPACE FLIGHT SCHEDULES

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STANDARD ABBREVIATIONS OF TERMS USED IN MILESTONE DESCRIPTIONS

THIRD EDITION

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OFFICE OF MANNED SPACE FLIGHT

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
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STANDARD ABBREVIATIONS OF TERMS USED IN MILESTONE DESCRIPTIONS

FOREWORD

This is the third edition of the manual on "Standard Abbreviations of Terms Used in Milestone Descriptions." It supersedes the second edition issued June 25, 1963.

The manual will be revised, supplemented, and reissued as necessary to provide a current communications tool for the OMSF scheduling process. It is a supplement to Instruction M-I M 9330.002, issued December 5, 1962.

For ease of reference, this edition is divided into two sections: the first is arranged alphabetically by abbreviation, the second alphabetically by description.

INTRODUCTION AND FORMAT

PURPOSE

This listing has been prepared in order to standardize abbreviations and acronyms currently used in Manned Space Flight Schedules, and to aid scheduling personnel in establishing new abbreviated forms and acronyms in future schedule submissions.

DEFINITIONS

For the purpose of this listing the following definitions will apply:

ABBREVIATION - An abbreviation is defined as an abbreviated form of a word or phrase: Example:

ASSY - ASSEMBLY

ACRONYM - An acronym is defined as a word formed from the initial letters or symbols of the successive parts of a compound term. It is also known as a "coined word". Example:

RADAR - RADIO DETECTION AND RANGING

NERVA - NUCLEAR ENGINE FOR ROCKET VEHICLE APPLICATION

GENERAL RULES

The following rules have been established for abbreviation of terms used in Manned Space Flight Schedules and should be adhered to whenever new abbreviations or acronyms are created. These rules generally follow those laid down in the U. S. Government Printing Office Style Manual, but were modified slightly in order to fit this special listing.

PUNCTUATIONS (PERIOD, APOSTROPHE)

No punctuations (period or apostrophe) will be used in conjunction with abbreviations or acronyms of terms used on Manned Space Flight Schedules.

CAPITALS AND HYPHENS

In general, an abbreviation follows the capitalization and hyphening of the word or words abbreviated. Since schedule milestones are printed in upper case, capitalization presents no problem. Sample hyphenated abbreviation:

BIO-INSTR - BIO-INSTRUMENTATION

SPACING

No spacing will be used between individual letters of an abbreviation or acronym.

PLURALIZATION

If the plural form of a word is to be abbreviated, simply add an "s" to the accepted abbreviation. Both singular and plural forms are listed in the glossary for the most common terms, the "s" being added in parentheses. Example:

COMP(S) - COMPONENT(S)

WORD FORM

For terms which are apt to occur in noun, adjective or verb form, a single abbreviation is generally used, but all common forms are listed. Interpretation of the abbreviated form depends on the context in which it is used. Example:

AVAIL - AVAILABLE or

AVAIL - AVAILABILITY

SLASHES (SLANTS, DIAGONAL)

Slash symbols are not used in abbreviations as they are generally employed for other purposes, such as fractions and compound terms. The only exception is the abbreviation for checkout (C/O) where it is used to avoid confusion with the abbreviation for "company".

REVISIONS AND ADDITIONS

Recommendations for additions and revisions should be submitted to the Office of Manned Space Flight, Code MPRP for review and coordination. (See page 48.) Accepted abbreviations will be incorporated into future editions.

SECTION I

ALPHABETICAL LISTING

BY

ABBREVIATION

ABBREVIATION	DESCRIPTION
ABLAT	ABLATIVE
AC	AIRCRAFT
ACCEL	ACCELERATE (OMETER)
ACCESS	ACCESSORIES
ACCPT	ACCEPTANCE
ACE	AUTOMATIC CHECKOUT EQUIPMENT
ACME	ATTITUDE CONTROL & MANEUVERING ELECTRONICS
ACOUS	ACOUSTIC
ACSP	AC SPARK PLUG
ACT	ACTUAL
ACTIV	ACTIVATION
ADAP	ADAPTOR
ADD	ADDITION
ADDL	ADDITIONAL
ADV	ADVANCED
AEDC	ARNOLD ENGINEERING DEVELOPING CENTER
AERO	AERODYNAMIC
AF (USAF)	AIR FORCE
AFB	AIR FORCE BASE
AFFTC	AIR FORCE FLIGHT TEST CENTER (EDWARDS AFB, CALIF.)

ABBREVIATION	DESCRIPTION
AFM	AIRFRAME
AFMTC	AIR FORCE MISSILE TEST CENTER (PATRICK AFB, FLA.)
AFSSD	AIR FORCE SPACE SYSTEMS DIVISION
AGC	APOLLO GUIDANCE COMPUTER
AGE	AEROSPACE GROUND EQUIPMENT
ALT	ALTITUDE
ALTER	ALTERNATE
AMF	AMERICAN MACHINE AND FOUNDRY CO.
AMOO	AEROSPACE MEDICAL OPERATIONS OFFICE
AMR	ATLANTIC MISSILE RANGE
ANAL	ANALYSIS
&	AND
ANT	ANTENNA
APO	APOLLO PROJECT OFFICE
APOL	APOLLO PROJECT
APRV(D)	APPROVE(D)
APRVL	APPROVAL
AQUIS	ACQUISITION

ABBREVIATION	DESCRIPTION
ARC ENG	ARCHITECTURAL ENGINEERING
ARINC	AERONAUTICAL RADIO INC
ARR	ARRIVAL
ASFTS	AUXILIARY SYSTEMS FUNCTION TEST STAND
ASI	AUGMENTED SYSTEM IGNITION
ASPO	APOLLO SPACECRAFT PROJECT OFFICE
ASSESMT	ASSESSMENT
ASSY	ASSEMBLY
ASTRI	ASTRIONICS
ASTRO	ASTRONAUT(ICAL)
ATL	ADVANCED TECHNOLOGY LABORATORIES
ATMOS	ATMOSPHERE
AUTO	AUTOMATIC
AUX	AUXILIARY
AVAIL	AVAILABILITY
AVAIL	AVAILABLE
AX	AXIS
AZ	AZIMUTH
BAC	BELL AEROSYSTEM CORP.
BAL	BALANCE
BATT	BATTERY

ABBREVIATION	DESCRIPTION
BB	BREADBOARD
BCN	BEACON
BIO-INSTR	BIO-INSTRUMENTATION
BKUP	BACKUP
BLDG	BUILDING
BLK	BLOCK
BOD	BENEFICIAL OCCUPANCY DATE
BP	BOILERPLATE
BRG	BEARING
BS	BATTLESHIP
BSTR	BOOSTER
BTL	BELL TELEPHONE LABORATORIES
BULKHD	BULKHEAD
CALIB	CALIBRATE
CALIB	CALIBRATION
CALIF	CALIFORNIA
CAP	CAPACITY
CAPAB	CAPABILITY
CC	CONTROL COMPUTER
CCMTA	CAPE CANAVERAL MISSILE TEST ANNEX
CCSD	CHRYSLER CORPORATION SPACE DIVISION
CCTV	CLOSED CIRCUIT TELEVISION

ABBREVIATION	DESCRIPTION
CDC	CONTROL DATA CORP.
CDEVC	COMPUTER DEVELOPMENT CENTER
CDU	COUPLING DATA UNIT
CFE	CONTRACTOR FURNISHED EQUIPMENT
CG	CENTER OF GRAVITY
CHARACT	CHARACTERISTICS
CHEM	CHEMICAL
CHG	CHANGE
CHT	CHUTE
CIRC	CIRCUIT
CK	CHECK
CLG	CLEANING
CLK	CLOCK
CM	COMMAND MODULE
CMPTR	COMPUTER
CNCT	CONNECTION
C/O	CHECKOUT
CO_2	CARBON DIOXIDE
COE	CORPS OF ENGINEERS
COMB	COMBINED
COMM	COMMUNICATION
COMP	COMPONENT

ABBREVIATIONS	DESCRIPTION
COMPL	COMPLETE
COMPLI	COMPLIANCE
COMPR	COMPRESSION
COND	CONDITION(ING)
CONFIG	CONFIGURATION
CONST	CONSTRUCTION
CONT	CONTINUED
CONTG	CONTINGENCY
CONTR	CONTRACT
CONTR(S)	CONTAINER(S)
CPS	CYCLES PER SECOND
CRAW	CRAWLER
CRYOG	CRYOGENIC
CSD	CREW SYSTEMS DIVISION
CST	CASTING
CSTU	COMBINED SYSTEM TEST UNIT
CSWY	CAUSEWAY
CTL	COMPONENT TEST LABORATORY
CTU	COMPATIBILITY TEST UNIT
C-V	CHANCE VOUGHT CORP.
CYL	CYLINDER
DAC	DOUGLAS AIRCRAFT CORPORATION

ABBREVIATIONS	DESCRIPTION
DEF	DEFINE(D)
DEFIN(D)	DEFINITIZE(D)
DEG	DEGREE
DEL	DELIVER(Y)
DEM	DEMONSTRATION
DES	DESIGN
DETER	DETERMINATION
DETN	DETECTION
DEV	DEVELOP(MENT)
DGS	DATA GROUND STATION
DIGTL	DIGITAL
DIGTL CMPTR	DIGITAL COMPUTER
DIR	DIRECTOR
DISTR	DISTRIBUTION
DIV	DIVISION
DKG	DOCKING
DOC	DOCUMENT(ATION)
DOD	DEPARTMENT OF DEFENSE
DRWG(S)	DRAWINGS
DVT	DESIGN VERTIFICATION TESTING
DYN	DYNAMIC
ECO	ENGINEERING CHANGE ORDER

ABBREVIATION	DESCRIPTION
ECP	ENGINEERING CHANGE PROPOSAL
ECS	ENVIRONMENTAL CONTROL SYSTEM
EDS	EMERGENCY DETECTION SYSTEM
EEI	ELECTRICAL AND ELECTRO-MAGNETIC INTERFERENCE
EGRS	EGRESS
EJEC	EJECTION(ED)
EKG	ELECTRO CARDIOGRAM
ELEC	ELECTRICAL
ELECTRO	ELECTRONICS
ELL	ELLINGTON
ELS	EARTH LANDING SYSTEM
EMER	EMERGENCY
ENG	ENGINEERING
ENVIR	ENVIRONMENT(AL)
EO	EARTH ORBIT
EPS	ELECTRICAL POWER SYSTEM
EQUIP	EQUIPMENT
EST	ESTIMATE(D)
ESTAB	ESTABLISH(ED)
EVAL	EVALUATE(D)
EVAL	EVALUATION

ABBREVIATIONS	DESCRIPTION
EVSS	EXTRA-VEHICULAR SPACE SUIT
EXCUR	EXCURSION
EXP	EXPERIMENT(AL)
EXPL	EXPLOSIVE
EXTD	EXTEND(ED)
EXTER	EXTERNAL
FAB	FABRICATION
FAC	FACILITY
FACT	FLIGHT ACCEPTANCE COMPOSITE TEST
FAIL	FAILURE
FCOV	FACILITY CHECKOUT VEHICLE
FCT	FACTORY
FCS	FLIGHT CONTROL SYSTEM
FLD	FIELD
FPS	FEET PER SECOND
FLOT	FLOTATION
FLT	FLIGHT
FOD	FLIGHT OPERATIONS DIVISION
FRC	FLIGHT RESEARCH CENTER
FREQ	FREQUENCY
FRF	FLIGHT READINESS FIRING

ABBREVIATIONS	DESCRIPTION
FRKLN	FRANKLIN
FT	FLIGHT TEST
FUNCT LINE DIAG	FUNCTIONAL LINE DIAGRAM
FWD	FORWARD
FY	FISCAL YEAR
GAEC	GRUMMAN AIRCRAFT ENGINEERING CORP
GAS GEN	GAS GENERATOR
GD/A	GENERAL DYNAMICS/ ASTRONAUTICS
GE	GENERAL ELECTRIC COMPANY
GEM	GEMINI PROJECT
GEN	GENERATOR
GFE	GOVERNMENT FURNISHED EQUIPMENT
GHe	GASEOUS HELIUM
GH_2	GASEOUS HYDROGEN
GLV	GEMINI LAUNCH VEHICLE
G&N	GUIDANCE AND NAVIGATION
GN_2	GASEOUS NITROGEN
GND	GROUND
GOSS	GROUND OPERATIONAL SUPPORT SYSTEM
GP	GROUP
GPO	GEMINI PROJECT OFFICE

ABBREVIATION	DESCRIPTION
GSE	GROUND SUPPORT EQUIPMENT
GSFC	GODDARD SPACE FLIGHT CENTER
GTV	GROUND TEST VEHICLE
GUID	GUIDANCE
HDWR	HARDWARE
HI ALT	HI ALTITUDE
HI PR	HIGH PRESSURE
HNGR	HANGAR
HP	HORSEPOWER
HS	HEATSHIELD
HTG	HEATING
HYGL	HYPERGOLIC
IBM	INTERNATIONAL BUSINESS MACHINE CORP
IDENT	IDENTIFICATION
IF	INTERMEDIATE FREQUENCY
IGS	INERTIAL GUIDANCE SYSTEM
ILCC	INTEGRATED LAUNCH CONTROL AND CHECKOUT
ILCCS	INTEGRATED LAUNCH CONTROL AND CHECKOUT SYSTEM
IMCC	INTEGRATED MISSION CONTROL CENTER
IMPL	IMPLEMENT(ED)

ABBREVIATION	DESCRIPTION
IMPR	IMPROVEMENT
IMU	INERTIAL MEASURING UNIT
INCL	INCLUDING
IND	INDUSTRIAL
INDOC	INDOCTRINATION
INER	INERTIAL
INIT	INITIAL
INSTAL	INSTALLATION
INSTR	INSTRUMENT(ATION)
INTEG	INTEGRATION
INTER	INTERNAL
INVIT	INVITATION
IU	INSTRUMENT UNIT
IUA	INERTIAL UNIT ASSEMBLY
JOD	JOINT OCCUPANCE DATE
JT	JOINT
JUP	JUPITER
KMC	THOUSAND MEGACYCLES
LAB	LABORATORY
LC	LAUNCH COMPLEX
LCC	LAUNCH CONTROL CENTER
LDGE	LEM DUMMY GUIDANCE EQUIPMENT

ABBREVIATION	DESCRIPTION
LEM	LUNAR EXCURSION MODULE
LES	LAUNCH ESCAPE SYSTEM
LGE	LEM GUIDANCE EQUIPMENT
LH_2	LIQUID HYDROGEN
LHe	LIQUID HELIUM
LJ	LITTLE JOE
LJ II	LITTLE JOE II
LLS	LUNAR LOGISTICS SYSTEM
LMSC	LOCKHEED MISSILE AND SPACE COMPANY
LN_2	LIQUID NITROGEN
LNCH	LAUNCH
LNDG	LANDING
LO	LIFTOFF
LOC	LAUNCH OPERATIONS CENTER
LOX	LIQUID OXYGEN
LPGE	LEM PARTIAL GUIDANCE EQUIPMENT
LTA	LEM TEST ARTICLE
LUT	LAUNCHER-UMBILICAL TOWER
LUT-TRANSP	LAUNCHER UMBILICAL TOWER-TRANSPORTER
LV	LAUNCH VEHICLE
LW	LAUNCH WINDOW

ABBREVIATION	DESCRIPTION
MAC	MCDONNELL AIRCRAFT COMPANY
MAINT	MAINTENANCE
MATL(S)	MATERIAL(S)
MAX	MAXIMUM
MCC	MISSION CONTROL CENTER
MDS	MALFUNCTION DETECTION SYSTEM
ME	OFFICE OF SYSTEMS
MEAS	MEASURING
MECH	MECHANICAL
MED	MEDICAL
MERC	MERCURY PROJECT
MFG	MANUFACTURING
MFR	MANUFACTURE
MGMT	MANAGEMENT
MICHOUD	MICHOUD OPERATIONS
M - H	MINNEAPOLIS - HONEYWELL
MICROMET	MICROMETEOROID
MILA	MERRITT ISLAND LAUNCH AREA
MILE(S)*	MILE(S)*

*NOTE: DO NOT ABBREVIATE

ABBREVIATION	DESCRIPTION
MIN	MINUTE
MISS	MISSION
MNT	MOUNT
MOC	MASTER OPERATIONS CONTROL
MOD	MODULE
MODIF	MODIFICATION
MPO	MERCURY PROJECT OFFICE
MS	MILESTONE
MSC	MANNED SPACECRAFT CENTER
MSFC	MARSHALL SPACE FLIGHT CENTER
MTF	MISSISSIPPI TEST FACILITY
MU	MOCKUP
MULT	MULTIPLE
NAA	NORTH AMERICAN AVIATION
NASA	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
NAT	NATURAL
NAV	NAVIGATION
NC	NOSE CONE
NOR-V	NORTHROP - VENTURA
NOTS	NAVAL ORDNANCE TEST STATION

ABBREVIATION	DESCRIPTION
NOVA*	NOVA PROJECT
NPSH	NET POSITIVE SUCTION HEAD
NSL	NORTHROP SPACE LABORATORY
OAMS	ORBITAL ATTITUDE AND MANEUVERING SYSTEM
OBJ(S)	OBJECTIVE(S)
OCC	OCCUPANCY
O&C/O	OPERATION AND CHECKOUT
OD	ONE DAY
ODM	ONE DAY MISSION
OFF	OFFICE
OMSF	OFFICE OF MANNED SPACE FLIGHT
OPER	OPERATIONAL(LY)
OPER(S)	OPERATION(S)
ORB	ORBITAL
ORD	ORDNANCE
OSS	OFFICE OF SPACE SCIENCES
OTDA	OFFICE OF TRACKING AND DATA ACQUISITION
PA	PAD ABORT
PACE	PREFLIGHT AUTOMATIC CHECKOUT EQUIPMENT
PAD	LAUNCH PAD

*DO NOT ABBREVIATE

ABBREVIATION	DESCRIPTION
PAFB	PATRICK AIR FORCE BASE
PARA	PARACHUTE
PARAGL	PARAGLIDER
PARAM(S)	PARAMETER(S)
P-B	PACKARD-BELL
PCM	PULSE CODED MODULATION
PDP	PROJECT DEVELOPMENT PLAN
PERF	PERFORM(ANCE)
PFRT	PRELIMINARY FLIGHT RATING TEST
PGA	PRESSURE GARMENT ASSEMBLY
PH	PHASE
PHOTO	PHOTOGRAPHY
PHYS	PHYSICAL
PIRD	PROJECT INSTRUMENTATION REQUIREMENT DOCUMENT
PKG	PACKAGE
PL	PAYLOAD
PLSS	PORTABLE LIFE SUPPORT SYSTEM
PLT	PILOT
PNEU	PNEUMATIC
POD	PREFLIGHT OPERATIONS DIVISION
PP	PROJECT PROPOSAL

ABBREVIATION	DESCRIPTION
PPS	PRIMARY PROPULSION SYSTEM
PR	PURCHASE REQUEST
PRED	PREDICTION
PRELIM	PRELIMINARY
PREP	PREPARATION
PREQUAL	PREQUALIFIED
PROCED(S)	PROCEDURE(S)
PROCUR	PROCUREMENT
PROD	PRODUCTION
PROG	PROGRESS
PROJ	PROJECT
PROP	PROPELLANT
PROPOS	PROPOSAL
PROPUL	PROPULSION
PROTO	PROTOTYPE
PSI	POUNDS PER SQUARE INCH
PSIA	POUNDS PER SQUARE INCH-ABSOLUTE
PT	PART TASK
PTPS	PROPELLANT TRANSFER PRESSURIZATION SYSTEM
PTV	PARACHUTE TEST VEHICLE
PTVA	PROPULSION TEST VEHICLE ASSEMBLY

ABBREVIATION	DESCRIPTION
PU	PROPULSION UNIT
PUB	PUBLISH(ED)
P&W	PRATT AND WHITNEY
PWR & SERVO ASSY	POWER AND SERVO ASSEMBLY
PYRO	PYROTECHNICS
Q	DYNAMIC PRESSURE
QLFD	QUALIFIED
QLTY	QUALITY
QUAL	QUALIFICATION
QUAN	QUANTITY
RAD	RADIATION
RCS	REACTION CONTROL SYSTEM
RD	ROAD
R&D	RESEARCH & DEVELOPMENT
REAC	REACTION
REC	RECEIVE(R)
REC	RECEIVING
RECMD(S)	RECOMMENDATION(S)
RECOV	RECOVERY
REDES	REDESIGN
REDUC	REDUCTION
REF	REFERENCE
REL	RELEASE

ABBREVIATION	DESCRIPTION
RELIA	RELIABILITY
RENDZ	RENDEZVOUS
REQ	REQUIRED
REQ(S)	REQUIREMENT(S)
RESP	RESPONSE
RF	RADIO FREQUENCY
RFI	RADIO FREQUENCY INTERFERENCE
RGS	RADIO GUIDANCE SYSTEM
RKDN	ROCKETDYNE
RKT	ROCKET
RM	ROOM
RP-1	REFINED KEROSENE
RPT(S)	REPORT(S)
RSS	REACTANTS SUPPLY SYSTEM
S	SOUTH
SA	SATURN
SACTO	SACRAMENTO TEST OPERATIONS
SC	SPACECRAFT
S & C	STABILIZATION AND CONTROL
SCF	SEQUENCE COMPATIBILITY FIRING
SCHED	SCHEDULE

ABBREVIATION	DESCRIPTION
SCIEN	SCIENTIFIC
SCS	STABILIZATION AND CONTROL SYSTEM
SEC	SECONDS
SEDR	SYSTEMS ENGINEERING DEPARTMENT REPORT
SELEC	SELECTION
SEP	SEPARATION
SERV TWR	SERVICE TOWER
SEQ	SEQUENCING
SERPS	SERVICE PROPULSION SYSTEM
SERV	SERVICE
SHIP	SHIPPING
SHLD	SHIELDING
SIA	SYSTEM INTEGRATION AREA
SIM	SIMULATOR
SIMU	SIMULATION
SM	SERVICE MODULE
SPEC(S)	SPECIFICATION(S)
SPO	SATURN PROJECT OFFICE
SPS	SECONDARY PROPULSION SYSTEM
SSA	SPACE SUIT ASSEMBLY
SSDF-NAA	SPACE SCIENCE DEVELOPMENT FACILITY- NORTH AMERICAN

ABBREVIATION	DESCRIPTION
SST	SIMULATED STRUCTURAL TEST
STA	STATION
STAB	STABILITY
STAND*	STAND
STD(S)	STANDARD(S)
STG	STAGE
STL	SPACE TECHNOLOGY LABORATORY
STRUCT	STRUCTURAL
STU	STATIC TEST UNIT
SUBM	SUBMIT
SUBSYS	SUBSYSTEM
SUPP	SUPPORT
SUZ	SANTA SUSANA
SYS	SYSTEM
TECH	TECHNICAL
TEMP	TEMPERATURE
TEMPOR	TEMPORARY
THERM	THERMAL
TM	TELEMETERING
TO	TAKEOFF
T&O	TEST AND OPERATION

*NOTE: DO NOT ABBREVIATE

ABBREVIATION	DESCRIPTION
TOL	TOLERANCE
TP	TURBOPUMP
TRANSF	TRANSFER
TRANSM	TRANSMISSION
TRCK	TRACKING
TRNG	TRAINING
TRNR(S)	TRAINER(S)
TRNSPN	TRANSPORTATION
TRNSPR	TRANSPORTER
TASK*	TASK
TWR	TOWER
VHF	VETRO-HIGH FREQUENCY
UTIL	UTILITY
VAB	VERTICAL ASSEMBLY BUILDING
VAC	VACUUM
VEH	VEHICLE
VEND	VENDOR
VERIF	VERIFICATION
VERT	VERTICAL
VHF	VERY HIGH FREQUENCY
VIB	VIBRATION
VLF	VERTICAL LAUNCH FACILITY

*NOTE: DO NOT ABBREVIATE

ABBREVIATION	DESCRIPTION
VOL	VOLUME
VTF	VERTICAL TEST FACILITY
VTS	VERTICAL TEST STAND
WA	WORK AUTHORIZATION
WHSE	WAREHOUSE
WSMR	WHITE SANDS MISSILE RANGE
WT	WEIGHT

SECTION II

ALPHABETICAL LISTING

BY

DESCRIPTION

DESCRIPTION	ABBREVIATION
ABLATIVE	ABLAT
ACCELERATE(OMETER)	ACCEL
AC SPARK PLUG	ACSP
ACCEPTANCE	ACCPT
ACCESSORIES	ACCESS
ACOUSTIC	ACOUS
ACQUISITION	AQUIS
ACTIVATION	ACTIV
ACTUAL	ACT
ADAPTOR	ADAP
ADDITION	ADD
ADDITIONAL	ADDL
ADVANCED	ADV
ADVANCED TECHNOLOGY LABORATORIES	ATL
AERODYNAMIC	AERO
AERONAUTICAL RADIO INC	ARINC
AEROSPACE GROUND EQUIPMENT	AGE
AEROSPACE MEDICAL OPERATIONS OFFICE	AMOO
AIR FORCE	AF (USAF)
AIR FORCE BASE	AFB
AIR FORCE FLIGHT TEST CENTER (EDWARDS AFB, CALIF.)	AFFTC

DESCRIPTION	ABBREVIATION
AIR FORCE MISSILE TEST CENTER (PATRICK AFB, FLA.)	AFMTC
AIR FORCE SPACE SYSTEMS DIVISION	AFSSD
AIRFRAME	AFM
AIRCRAFT	AC
ALTERNATE	ALTER
ALTITUDE	ALT
AMERICAN MACHINE AND FOUNDRY COMPANY	AMF
ANALYSIS	ANAL
AND	&
ANTENNA	ANT
APOLLO GUIDANCE COMPUTER	AGC
APOLLO PROJECT	APOL
APOLLO PROJECT OFFICE	APO
APPROVAL	APRVL
APPROVE(D)	APRV(D)
ARCHITECTURAL ENGINEERING	ARC ENG
ARNOLD ENGINEERING DEVELOPMENT CENTER	AEDC
ARRIVAL	ARR
ASSEMBLY	ASSY
ASSESSMENT	ASSESMT

DESCRIPTION	ABBREVIATION
ASTRIONICS	ASTRI
ASTRONAUT(ICAL)	ASTRO
ATLANTIC MISSILE RANGE	AMR
ATMOSPHERE	ATMOS
ATTITUDE CONTROL & MANEUVERING ELECTRONICS	ACME
AUGMENTED SYSTEM IGNITION	ASI
AUTOMATIC	AUTO
AUTOMATIC CHECKOUT EQUIPMENT	ACE
AUXILIARY	AUX
AUXILIARY SYSTEMS FUNCTION TEST STAND	ASFTS
AVAILABLE	AVAIL
AVAILABILITY	AVAIL
AXIS	AX
AZIMUTH BACKUP	AZ BKUP
BALANCE	BAL
BALLAST	BALL
BATTERY	BATT
BATTLESHIP	BS
BEACON	BCN
BEARING	BRG
BELL AEROSYSTEM CORP	BAC
BELL TELEPHONE LABORATORIES	BTL

DESCRIPTION	ABBREVIATION
BENEFICIAL OCCUPANCY DATE	BOD
BIO-INSTRUMENTATION	BIO-INSTR
BLOCK	BLK
BOILERPLATE	BP
BOOSTER	BSTR
BREADBOARD	BB
BUILDING	BLDG
BULKHEAD	BULKHD
CALIBRATE	CALIB
CALIBRATION	CALIB
CALIFORNIA	CALIF
CAPABILITY	CAPAB
CAPACITY	CAP
CAPE CANAVERAL MISSILE TEST ANNEX	CCMTA
CARBON DIOXIDE	CO_2
CASTING	CST
CAUSEWAY	CSWY
CENTER OF GRAVITY	CG
CHANCE VOUGHT CORP	C-V®
CHANGE	CHG
CHARACTERISTICS	CHARACT
CHECK	CK

DESCRIPTION	ABBREVIATION
CHECKOUT	C/O
CHEMICAL	CHEM
CHRYSLER CORPORATION SPACE DIVISION	CCSD
CHUTE	CHT
CIRCUIT	CIRC
CLEANING	CLG
CLOCK	CLK
CLOSED CIRCUIT TELEVISION	CCTV
COMBINED	COMB
COMBINED SYSTEM TEST UNIT	CSTU
COMMAND MODULE	CM
COMMUNICATION	COMM
COMPATIBILITY TEST UNIT	CTU
COMPLETE	COMPL
COMPLIANCE	COMPLI
COMPONENT	COMP
COMPONENT TEST LABORATORY	CTL
COMPRESSION	COMPR
COMPUTER	COMPTR
COMPUTER DEVELOPMENT CENTER	CDEVC
CONDITION(ING)	COND
CONFIGURATION	CONFIG

DESCRIPTION	ABBREVIATION
CONNECTION	CONNEC
CONSTRUCTION	CONST
CONTAINER(S)	CONTNR(S)
CONTINUED	CONT
CONTRACTOR FURNISHED EQUIPMENT	CFE
CONTINGENCY	CONTG
CONTRACT	CONTR
CONTROL COMPUTER	CC
CONTROL DATA CORP	CDC
CORPS OF ENGINEERS	COE
COUPLING DATA UNIT	CDU
CRAWLER	CRAW
CREW SYSTEMS DIVISION	CSD
CRYOGENIC	CRYOG
CYCLES PER SECOND	CPS
CYLINDER	CYL
DATA GROUND STATION	DGS
DEFINE(D)	DEF
DEFINITIZE(D)	DEFIN
DEGREE	DEG
DELIVER(Y)	DEL
DEMONSTRATION	DEM
DEPARTMENT OF DEFENSE	DOD

DESCRIPTION	ABBREVIATION
DESIGN	DES
DESIGN VERIFICATION TESTING	DVT
DETECTION	DETEC
DETERMINATION	DETER
DEVELOP(MENT)	DEV
DIGITAL	DIG
DIGITAL COMPUTER	DIG COM
DIRECTOR	DIR
DISTRIBUTION	DISTR
DIVISION	DIV
DOCKING	DKG
DOCUMENT(ATION)	DOC
DOUGLAS AIRCRAFT CORPORATION	DAC
DRAWING(S)	DRWG(S)
DYNAMIC	DYN
DYNAMIC PRESSURE	Q
EARTH LANDING SYSTEM	ELS
EARTH ORBIT	EO
EGRESS	EGRS
EJECTION(ED)	EJEC
ELECTRO CARDIOGRAM	EKG
ELECTRICAL	ELEC
ELECTRICAL AND ELECTRO - MAGNETIC INTERFERENCE	EEI

DESCRIPTION	ABBREVIATION
ELECTRICAL POWER SYSTEM	EPS
ELECTRONICS	ELECTRO
ELLINGTON	ELL
EMERGENCY	EMER
EMERGENCY DETECTION SYSTEM	EDS
ENGINEERING	ENG
ENGINEERING CHANGE ORDER	ECO
ENGINEERING CHANGE PROPOSAL	ECP
ENVIRONMENT(AL)	ENVIR
ENVIRONMENTAL CONTROL SYSTEM	ECS
EQUIPMENT	EQUIP
ESTABLISH(ED)	ESTAB
ESTIMATE(D)	EST
EVALUATE(D)	EVAL
EVALUATION	EVAL
EXCURSION	EXCUR
EXPERIMENT(AL)	EXP
EXPLOSIVE	EXPL
EXTEND(ED)	EXTD
EXTERNAL	EXTER
EXTRA-VEHICULAR SPACE SUIT	EVSS
FABRICATION	FAB

DESCRIPTION	ABBREVIATION
FACILITY	FAC
FACILITY CHECKOUT VEHICLE	FCOV
FACTORY	FCT
FAILURE	FAIL
FEET PER SECOND	FPS
FIELD	FLD
FISCAL YEAR	FY
FLIGHT ACCEPTANCE COMPOSITE TEST	FACT
FLIGHT	FLT
FLIGHT CONTROL SYSTEM	FCS
FLIGHT OPERATIONS DIVISION	FOD
FLIGHT READINESS FIRING	FRF
FLIGHT RESEARCH CENTER	FRC
FLOTATION	FLOT
FORWARD	FWD
FRANKLIN	FRKLN
FREQUENCY	FREQ
FUNCTIONAL LINE DIAGRAM	FUNCT LINE DIAG
GAS GENERATOR	GAS GEN
GASEOUS HELIUM	GHe
GASEOUS HYDROGEN	GH_2
GASEOUS NITROGEN	GN_2

DESCRIPTION	ABBREVIATION
GEMINI LAUNCH VEHICLE	GLV
GEMINI PROJECT	GEM
GEMINI PROJECT OFFICE	GPO
GENERAL DYNAMICS - ASTRONAUTICS	GD/A
GENERAL ELECTRIC COMPANY	GE
GENERATOR	GEN
GODDARD SPACE FLIGHT CENTER	GSFC
GOVERNMENT FURNISHED EQUIPMENT	GFE
GROUND	GND
GROUND OPERATIONAL SUPPORT SYSTEM	GOSS
GROUND SUPPORT EQUIPMENT	GSE
GROUND TEST VEHICLE	GTV
GROUP	GP
GRUMMAN AIRCRAFT ENGINEERING CORP	GAEC
GUIDANCE	GUID
GUIDANCE AND NAVIGATION	G&N
HANGAR	HNGR
HARDWARE	HDWR
HEATSHIELD	HS
HEATING	HTG

DESCRIPTION	ABBREVIATION
HIGH ALTITUDE	HI ALT
HIGH PRESSURE	HI PR
HORSEPOWER	HP
HYPERGOLIC	HYGL
IDENTIFICATION	IDENT
IMPLEMENT(ED)	IMPL
IMPROVEMENT	IMPR
INCLUDING	INCL
INDOCTRINATION	INDOC
INDUSTRIAL	IND
INERTIAL	INER
INERTIAL GUIDANCE SYSTEM	IGS
INERTIAL MEASURING UNIT	IMU
INERTIAL UNIT ASSEMBLY	IUA
INITIAL	INIT
INSTALLATION	INSTAL
INSTRUMENT(ATION)	INSTR
INSTRUMENT UNIT	IU
INTEGRATED LAUNCH CONTROL AND CHECKOUT	ILCC
INTEGRATED LAUNCH CONTROL AND CHECKOUT SYSTEM	ILCCS
INTEGRATED MISSION CONTROL CENTER	IMCC

DESCRIPTION	ABBREVIATION
INTEGRATION	INTEG
INTERMEDIATE FREQUENCY	IF
INTERNAL	INTER
INTERNATIONAL BUSINESS MACHINE CORP	IBM
INVITATION	INVIT
JOINT	JT
JOINT OCCUPANCE DATE	JOD
JUPITER	JUP
LABORATORY	LAB
LANDING	LNDG
LANDING AND RECOVERY	L&R
LAUNCH	LNCH
LAUNCH COMPLEX	LC
LAUNCH CONTROL CENTER	LCC
LAUNCH ESCAPE SYSTEM	LES
LAUNCH OPERATIONS CENTER	LOC
LAUNCH PAD	PAD
LAUNCH VEHICLE	LV
LAUNCH WINDOW	LW
LAUNCHER-UMBILICAL TOWER	LUT
LAUNCHER UMBILICAL TOWER - TRANSPORTER	LUT-TRANSP
LEM DUMMY GUIDANCE EQUIPMENT	LDGE

DESCRIPTION	ABBREVIATION
LEM TEST ARTICLE	LTA
LIFTOFF	LO
LIQUID HELIUM	LHe
LIQUID HYDROGEN	LH_2
LIQUID NITROGEN	LN_2
LIQUID OXYGEN	LOX
LITTLE JOE	LJ
LITTLE JOE II	LJ II
LOCKHEED MISSILE AND SPACE COMPANY	LMSC
LUNAR EXCURSION MODULE	LEM
LUNAR LOGISTICS SYSTEM	LLS
MCDONNELL AIRCRAFT COMPANY	MAC
MAINTENANCE	MAINT
MALFUNCTION DETECTION SYSTEM	MDS
MANAGEMENT	MGMT
MANNED SPACECRAFT CENTER	MSC
MANUFACTURE	MFR
MANUFACTURING	MFG
MARSHALL SPACE FLIGHT CENTER	MSFC
MASTER OPERATIONS CONTROL	MOC
MATERIAL(S)	MATL(S)
MAXIMUM	MAX

DESCRIPTION	ABBREVIATION
MEASURING	MEAS
MECHANICAL	MECH
MEDICAL	MED
MERCURY PROJECT	MERC
MERCURY PROJECT OFFICE	MPO
MERRITT ISLAND LAUNCH AREA	MILA
MICHOUD OPERATIONS	MICHOUD
MICROMETEOROID	MICROMET
MILE(S)*	MILE(S)*
MILESTONE	MS
MINNEAPOLIS-HONEYWELL	M-H
MINUTE	MIN
MISSION	MISS
MISSION CONTROL CENTER	MCC
MISSISSIPPI TEST FACILITY	MTF
MOCKUP	MU
MODIFICATION	MODIF
MODULE	MOD
MOUNT	MNT
MULTIPLE	MULT
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	NASA

*NOTE: DO NOT ABBREVIATE

DESCRIPTION	ABBREVIATION
NATURAL	NAT
NAVAL ORDNANCE TEST STATION	NOTS
NAVIGATION	NAV
NET POSITIVE SUCTION HEAD	NPSH
NORTH AMERICAN AVIATION	NAA
NORTHROP SPACE LABORATORY	NSL
NORTHROP-VENTURA	NOR-V
NOSE CONE	NC
NOVA PROJECT	NOVA*
OBJECTIVE(S)	OBJ(S)
OCCUPANCE	OCC
OFFICE	OFF
OFFICE OF MANNED SPACE FLIGHT	OMSF
OFFICE OF SYSTEMS	ME
OFFICE OF SPACE SCIENCE	OSS
OFFICE OF TRACKING AND DATA ACQUISITION	OTDA
ONE DAY	OD
ONE DAY MISSION	ODM
OPERATION AND CHECKOUT	O&C/O
OPERATIONAL(LY)	OPER

*NOTE: DO NOT ABBREVIATE

DESCRIPTION	ABBREVIATION
OPERATION(S)	OPER(S)
ORBITAL	ORB
ORBITAL ATTITUDE AND MANEUVERING SYSTEM	OAMS
ORDNANCE	ORD
PACKAGE	PKG
PACKARD-BELL	P-B
PAD ABORT	PA
PARACHUTE	PARA
PARACHUTE TEST VEHICLE	PTV
PARAGLIDER	PARAGL
PARAMETER(S)	PARAM(S)
PART TASK	PT
PATRICK AIR FORCE BASE	PAFB
PAYLOAD	PL
PERFORM(ANCE)	PERF
PHASE	PH
PHOTOGRAPHY	PHOTO
PHYSICAL	PHYS
PILOT	PLT
PORTABLE LIFE SUPPORT SYSTEM	PLSS
PNEUMATIC	PNEU
POUNDS PER SQUARE INCH	PSI
POUNDS PER SQUARE INCH-ABSOULTE	PSIA

DESCRIPTION	ABBREVIATION
POWER AND SERVO ASSEMBLY	PWR & SERVO ASSY
PRATT AND WHITNEY	P&W
PREFLIGHT AUTOMATIC CHECKOUT EQUIPMENT	PACE
PREDICTION	PRED
PREFLIGHT OPERATIONS DIVISION	POD
PRELIMINARY	PRELIM
PRELIMINARY FLIGHT RATING TEST	PFRT
PREPARATION	PREP
PREQUALIFIED	PREQUAL
PRESSURE GARMENT ASSEMBLY	PGA
PRIMARY PROPULSION SYSTEM	PPS
PROCEDURE(S)	PROCED(S)
PROCUREMENT	PROCUR
PRODUCTION	PROD
PROGRESS	PROG
PROJECT DEVELOPMENT PLAN	PDP
PROJECT INSTRUMENTATION REQUIREMENT DOCUMENT	PIRD
PROJECT	PROJ
PROJECT PROPOSAL	PP
PROPELLANT	PROP
PROPELLANT TRANSFER PRESSURIZATION SYSTEM	PTPS

DESCRIPTION	ABBREVIATION
PROPOSAL	PROPOS
PROPULSION	PROPUL
PROPULSION TEST VEHICLE ASSEMBLY	PTVA
PROPULSION UNIT	PU
PROTOTYPE	PROTO
PUBLISH(ED)	PUB
PULSE CODED MODULATION	PCM
PURCHASE REQUEST	PR
PYROTECHNICS	PYRO
QUALIFICATION	QUAL
QUALIFIED	QLFD
QUALITY	QLTY
QUANTITY	QUAN
RADIATION	RAD
RADIO FREQUENCY	RF
RADIO FREQUENCY INTERFERENCE	RFI
RADIO GUIDANCE SYSTEM	RGS
REACTANTS SUPPLY SYSTEM	RSS
REACTION	REAC
REACTION CONTROL SYSTEM	RCS
RECEIVE(R)	REC

DESCRIPTION	ABBREVIATION
RECEIVING	REC
RECOMMENDATION(S)	RECMD(S)
RECOVERY	RECOV
REDESIGN	REDES
REDUCTION	REDUC
REFERENCE	REF
REFINED KEROSENE	RP-1
RELEASE	REL
RELIABILITY	RELIA
RENDEZVOUS	RENDZ
REPORT(S)	RPT(S)
REQUIRED	REQ
REQUIREMENT(S)	REQ(S)
RESEARCH & DEVELOPMENT	R&D
RESPONSE	RESP
ROAD	RD
ROCKET	RKT
ROCKETDYNE	RKDN
ROOM	RM
SACRAMENTO TEST OPERATIONS	SACTO
SANTA SUSANA	SUZ
SATURN	SA
SATURN PROJECT OFFICE	SPO

DESCRIPTION	ABBREVIATION
SCHEDULE	SCHED
SCIENTIFIC	SCIEN
SECONDS	SEC
SECONDARY PROPULSION SYSTEM	SPS
SELECTION	SELEC
SEPARATION	SEP
SEQUENCE COMPATIBILITY FIRING	SCF
SEQUENCING	SEQ
SERVICE	SERV
SERVICE MODULE	SM
SERVICE PROPULSION SYSTEM	SERPS
SERVICE TOWER	SERV TWR
SHIELDING(ED)	SHLD
SHIPPING	SHIP
SIMULATOR	SIM
SIMULATION	SIMU
SIMULATED STRUCTURAL TEST	SST
SOUTH	S
SPACECRAFT	SC
SPACE SCIENCE DEVELOPMENT FACILITY - NORTH AMERICAN	SSDF - NAA
SPACE SUIT ASSEMBLY	SSA

DESCRIPTION	ABBREVIATION
SPACE TECHNOLOGY LABORATORY	STL
SPECIFICATION(S)	SPEC(S)
STABILITY	STAB
STABILIZATION AND CONTROL	S&C
STABILIZATION AND CONTROL SYSTEM	SCS
STAGE	STG
STAND*	STAND*
STANDARD(S)	STD(S)
STATIC TEST UNIT	STU
STATION	STA
STRUCTURAL	STRUCT
SUBMIT	SUBM
SUBSYSTEM	SUBSYS
SUPPORT	SUPP
SYSTEM	SYS
SYSTEM INTEGRATION AREA	SIA
SYSTEMS ENGINEERING DEPARTMENT REPORT	SEDR
TAKEOFF	TO
TASK	TASK*

*NOTE: DO NOT ABBREVIATE

DESCRIPTION	ABBREVIATION
TECHNICAL	TECH
TELEMETER(ING)	TM
TEMPERATURE	TEMP
TEMPORARY	TEMPOR
TEST AND OPERATION	T&O
THERMAL	THERM
THOUSAND MEGACYCLES	KMC
TOLERANCE	TOL
TOWER	TWR
TRACKING	TRCK
TRAINER(S)	TRNR(S)
TRAINING	TRNG
TRANSFER	TRANSF
TRANSMISSION	TRANSM
TRANSPORTATION	TRANSPN
TRANSPORTER	TRNSPR
TURBOPUMP	TP
ULTRA-HIGH FREQUENCY	UHF
UTILITY	UTIL
VACUUM	VAC
VEHICLE	VEH
VENDOR	VEND
VERIFICATION	VERIF
VERTICAL	VERT

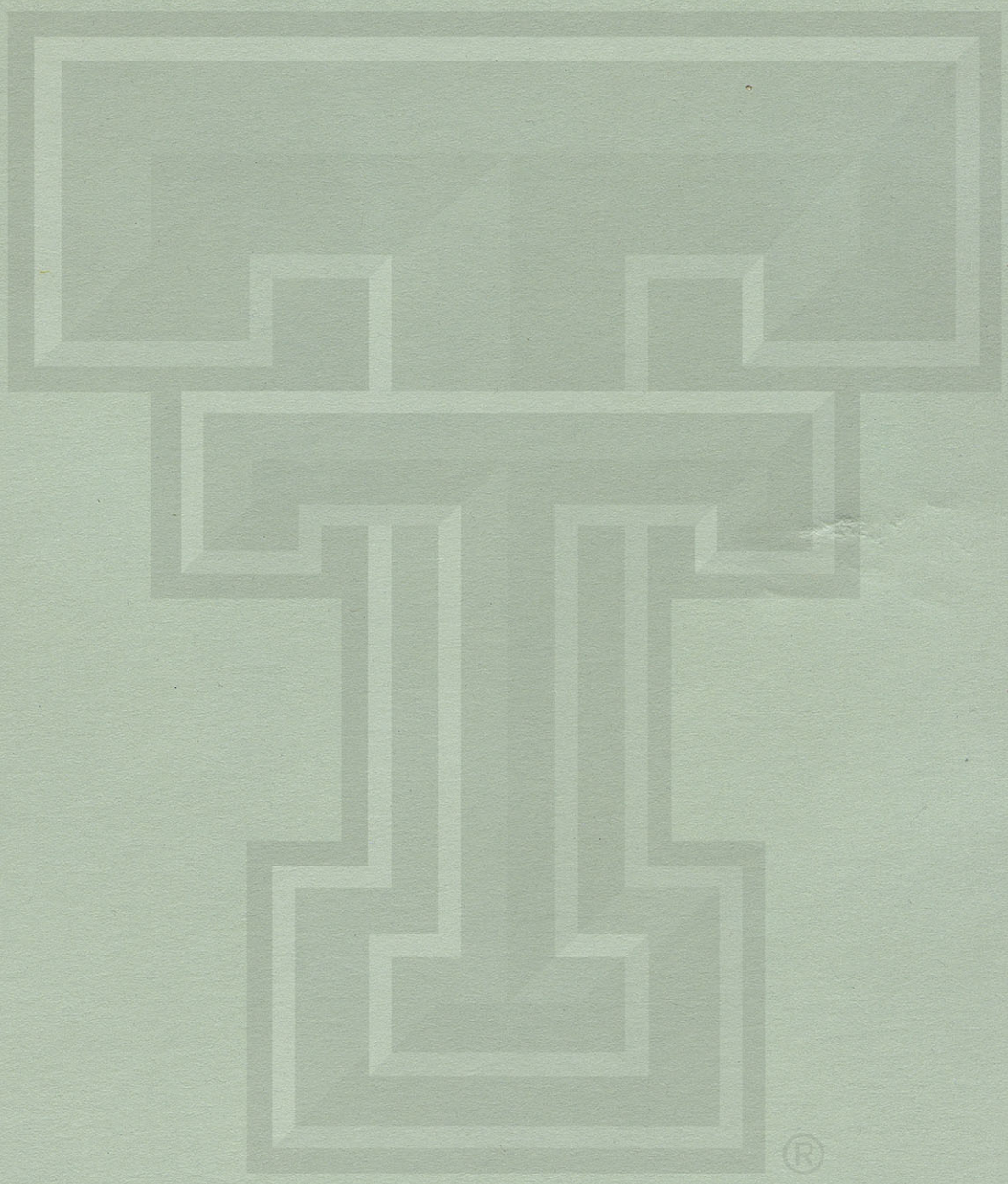
DESCRIPTION	ABBREVIATION
VERTICAL ASSEMBLY BUILDING	VAB
VERTICAL LAUNCH FACILITY	VLF
VERTICAL TEST FACILITY	VTF
VERTICAL TEST STAND	VTS
VERY HIGH FREQUENCY	VHF
VIBRATION	VIB
VOLUME	VOL
WAREHOUSE	WHSE
WEIGHT	WT
WHITE SANDS MISSILE RANGE	WSMR
WORK AUTHORIZATION	WA

ABBREVIATION REVISION SHEET

(Fill in and mail to:
National Aeronautics and Space Administration
Code MPRP
Washington, D. C. 20546)

A. Addition(s):

	Abbreviation	Description
1.		
2.		
3.		
4.		
5.		

B. Change(s):

	OLD		NEW	
	Abbreviation	Description	Abbreviation	Description
1.				
2.				
3.				
4.				
5.