

STATION COMMUNICATIONS

ACS	ADVANCED COMMUNICATION SYSTEM	PA	PUBLIC ADDRESS
		PAS	PUBLIC ADDRESS SYSTEM
BER	BIT-ERROR RATE	PDA	PERSONAL DIGITAL ASSISTANT
		PDU	POWER DISTRIBUTION UNIT
		PID	PASSENGER INFORMATION DISPLAY
CC	COMMUNICATIONS CABINET	PIDS	PASSENGER INFORMATION DISPLAY SYSTEM
CCF	CENTRAL CONTROL FACILITY	PIS	PASSENGER INFORMATION SYSTEM
CCTV	CLOSED CIRCUIT TELEVISION CAMERAS	PLC	PROGRAMMABLE LOGIC CONTROLLER
CER	COMMUNICATIONS EQUIPMENT ROOM	POE	POWER OVER ETHERNET
CIC	COMMUNICATIONS INTERFACE CABINETS	PSTN	PUBLIC SWITCHING TELEPHONE NETWORK
CID	CARD INTERFACE DEVICE	PTB	PROTECTED TERMINAL BLOCKS
CSMH	COMMUNICATIONS SYSTEM MANHOLE	PTT	PUSH TO TALK
		PVC	PRIVATE VIRTUAL CIRCUIT
CST	COMBINED SYSTEM TRUNK		
		QOS	QUALITY OF SERVICE
DC	DISTRIBUTION CABINET		
DDS	DEDICATED DIGITAL SERVICE	RPR	RESILIENT PACKET RING
DSO	SINGLE DATA CHANNEL OF 56-65 Kbps	RTU	REMOTE TERMINAL UNIT (COMMUNICATIONS)
E&M	EAR AND MOUTH	SCC	STATION COMMUNICATION CABINET
E-LAN	ETHERNET LAN	SFX	SMALL FORM (PLUGGABLE) CROSS-CONNECT
EOS	ETHERNET OVER SONET		
EPL	ETHERNET PRIVATE LINE	SLA	SERVICE LEVEL AGREEMENT
EVC	ETHERNET VIRTUAL CIRCUIT	SM	SINGLE MODE
EVPL	ETHERNET VIRTUAL PRIVATE LINE	SMFOC	SINGLE-MODE FIBER OPTIC CABLE
EVPLAN	ETHERNET VIRTUAL PRIVATE LAN	SNMP	SIMPLE NETWORK MANAGEMENT PROTOCOL
FDP	FIBER DISTRIBUTION PANEL	SONET	SYNCHRONOUS OPTICAL NETWORK
FO	FIBER OPTIC	SPDU	SWITCHED POWER DISTRIBUTION UNIT
FOC	FIBER OPTIC CABLE		
FPS	FRAME PER SECOND	T1C	SINGLE DATA CHANNEL OF 1.544 Mbps
FSE	FIBER SLACK ENCLOSURE	T1MUX	A MULTIPLEXING DEVICE BY WHICH A SINGLE T1 CHANNEL IS UTILIZED TO PROVIDE DSO CHANNELS
GBIC	GIGABIT INTERFACE CONVERTER	TDM	TIME DIVISION MULTIPLEXING
GBPS	GIGABITS PER SECOND	TTB	TELEPHONE TERMINAL BOARD
GRP	GLASS REINFORCED PLASTIC ROD		
GRS	GALVANIZED RIGID STEEL	UPS	1000 MBPS SWITCH EXPANSION PORTS
GUI	GRAPHICAL USER INTERFACE	UP-LINK	UNINTERRUPTIBLE POWER SUPPLY
		UPSR	UNIDIRECTIONAL PATH SWITCH RING
IP	INTERNET PROTOCOL	UTP	UNSHIELDED TWISTED PAIR
Kbps	KILO BITS PER SECOND	VCAT	VIRTUAL CONCATENATION
		VLAN	VIRTUAL LOCAL AREA NETWORK
LAN	LOCAL AREA NETWORK	VMS	VISUAL MESSAGE SIGN
LCD	LIQUID CRYSTAL DISPLAY	VPN	VIRTUAL PRIVATE NETWORK
LDF	LOCAL DISTRIBUTION FRAME		
LID	LOCAL INJECTION AND DETECTION (FUSION SPLICING)	WA	WORK AREA
LPM	LOCAL PAGING MICROPHONE	WAN	WIDE AREA NETWORK
		WAP	WIRELESS APPLICATION PROTOCOL
		WCM	WAYSIDE COMMUNICATIONS MANAGER
Mbps	MEGA BITS PER SECOND		
MDF	MAIN DISTRIBUTION FRAME		
MDPE	MEDIUM DENSITY POLYETHYLENE (CABLE SHEATH)		
MEF	METRO ETHERNET FORUM		
MIC	MICROPHONE		
MM	MULTI-MODE		
MMFOC	MULTI-MODE FIBER OPTIC CABLE		
MOPE	MAIN POINT OF ENTRY		
MS	MILLISECOND		
MSP	MULTI-SERVICE PROVISIONING PLATFORM		
NID	NETWORK INTERFACE DEVICE		
NMS	NETWORK MANAGEMENT SYSTEM		
NTP	NETWORK TIME PROTOCOL		
NVR	NETWORK VIDEO RECORDER		
OCC	OPERATION CONTROL CENTER		
OSP	OUTSIDE PLANT		

SIGNALS

AK	APPROACH TRACK INDICATION
BS	BOLT CENTERS
DAX	DOWNSTREAM ADJACENT CROSSING
EMS	EMERGENCY ALARM CONTROL CIRCUITS
FLT	SIGNAL FLEETING
FR	FLASHER RELAY
GCR	GATE CONTROL RELAY
GD	GATE DOWN
GE	GREEN SIGNAL LAMP
GPR	GATE REPEATER RELAY (GATE IN UP POSITION)
LOS	LOSS OF SHUNT
NGHS	NORTHWARD SIGNAL REQUEST
NGK	NORTHWARD SIGNAL CLEAR INDICATION
NJSP	DUAL SELECTOR LEVER
NWK	NORMAL SWITCH INDICATION
NWP	NORMAL SWITCH POINT POSITION
NWR	NORMAL SWITCH CONTROL RELAY
NWS	NORMAL SWITCH REQUEST
RE	RED SIGNAL LAMP
RWK	REVERSE SWITCH INDICATION
RWP	REVERSE SWITCH POINT POSITION
RWR	REVERSE SWITCH CONTROL RELAY
RWS	REVERSE SWITCH REQUEST
SGHS	SOUTHWARD SIGNAL REQUEST
SGK	SOUTHWARD SIGNAL CLEAR INDICATION
TEK	SIGNAL IN TIME INDICATION
TJC	TUNED JOINT COUPLER
TK	OS TRACK INDICATION
TOB	TON PER OPERATIVE BRAKE
UAX	UPSTREAM ADJACENT CROSSING
WBC	SWITCH CONTROL RELAY BACK CHECK
XR	CROSSING CONTROL RELAY
YE	YELLOW SIGNAL LAMP

TRAIN CONTROL COMMUNICATION

AC	ALTERNATING CURRENT
AMP	AMPLIFIER
ATCS	ADVANCE TRAIN CONTROL SYSTEM
BER	BIT ERROR RATE
BPF	BAND PASS FILTER
BS	BASE STATION
C	CONDUIT
CCF	CENTRAL CONTROL FACILITY
CEMOP	CENTRALIZED EQUIPMENT MAINTENANCE AND OPERATIONS FACILITY
CP	CONTROL POINT
CRC	CYCLIC REDUNDANCY CHECKS
CSU	CHANNEL SERVICE UNIT
CTC	CENTRALIZED TRAIN CONTROL
CTCSS	CONTINUOUS-TONE-CODED SQUELCH SYSTEM
dB	DECIBEL
dBm	DECIBEL REFERENCED TO A MILLIWATT
dBW	DECIBEL REFERENCED TO A WATT
DBU	DIAL BACKUP
DC	DIRECT CURRENT
DED	DRAGGING EQUIPMENT DETECTOR
DSU	DATA SERVICE UNIT
DTX	DIGITAL TOUCH EXCHANGE
EIA	ELECTRONIC INDUSTRIES ALLIANCE
ELEV	ELEVATION
ERP	EFFECTIVE RADIATED POWER
FAA	FEDERAL AVIATION ADMINISTRATION
FAT	FACILITY ACCEPTANCE TEST
FCC	FEDERAL COMMUNICATIONS COMMISSION
FDP	FIBER DISTRIBUTION PANEL
FEC	FORWARD ERROR CONNECTION
FM	FREQUENCY MODULATION
FO	FIBER OPTIC
FPP	FIBER PATCH PANEL
FR	FRAME RELAY
GMSK	GAUSSIAN MINIMUM SHIFT KEYING
GPS	GLOBAL POSITIONING SYSTEM
ISDN	INTERGRADED SERVICES DIGITAL NETWORK
JB	JUNCTION BOX
KO	KEYBOARD OPERATOR
KVM	KEYBOARD VIDEO MOUSE
LAN	LOCAL AREA NETWORK
M.P.XX	RAILROAD MILE POST
MAS	MULTIPLE ADDRESSING SCHEME
MC	MEDIA CONVERTER
MDF	MAIN DISTRIBUTION FRAME
MOW	MAINTENANCE OF WAY
MSL	MEAN SEA LEVEL
MUX	MULTIPLEXER
NIC	NETWORK INTERFACE CARD
NMS	NETWORK MANAGEMENT SYSTEM
OCC	OPERATIONS CONTROL CENTER
PTT	PUSH TO TALK
RF	RADIO FREQUENCY
ROCS	RAIL OPERATIONS CONTROL SYSTEM
RX	RECEIVE

TRAIN CONTROL COMMUNICATION (CON'T)

S	SPEAKER
SB	SAN BRUNO MOUNTAIN BASE STATION
SINAD	SIGNAL TO NOISE AND DISTORTION
SVR	SERVER
TC/C	TRAIN CONTROLS AND COMMUNICATION
TCT	TRAIN CONTROL TRENCH
TX	TRANSMITTER
UHF	ULTRA HIGH FREQUENCY
UL	UNDERWRITERS LABORATORY
UPRR,UP	UNION PACIFIC
VHF	VERY HIGH FREQUENCY
VHLC	VITAL HARMON LOGIC CONTROLLER (GE)
W	WATT
WRT	WITH RESPECT TO
CITIES AND COUNTIES	
CATH	CITY OF ATHERTON
CBEL	CITY OF BELMONT
CBUR	CITY OF BURLINGAME
CGIL	CITY OF GILROY
CMIL	CITY OF MILLBRAE
CMV	CITY OF MOUNTAIN VIEW
CPA	CITY OF PALO ALTO
CRWC	CITY OF REDWOOD CITY
CSB	CITY OF SAN BRUNO
CSC	CITY OF SAN CARLOS
CSJ	CITY OF SAN JOSE
CSM	CITY OF SAN MATEO
CSCL	CITY OF SANTA CLARA
CSSF	CITY OF SOUTH SAN FRANCISCO
CSV	CITY OF SUNNYVALE
CCSF	CITY AND COUNTY OF SAN FRANCISCO
COSM	COUNTY OF SAN MATEO
COSCL	COUNTY OF SANTA CLARA

AGENCIES, ORGANIZATIONS AND CODES

AASHTO	AMERICAN ASSOCIATION OF STATE HIGH-WAY AND TRANSPORTATION OFFICIALS
AAR	ASSOCIATION OF AMERICAN RAILROADS
ACE	ALTAMONT CORRIDOR EXPRESS
ACI	AMERICAN CONCRETE INSTITUTE
ADA	AMERICANS WITH DISABILITIES ACT
AMTRAK	NATIONAL RAILROAD PASSENGER CORPORATION
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APWA	AMERICAN PUBLIC WORKS ASSOCIATION
AREA	AMERICAN RAILWAY ENGINEERING ASSOCIATION
AREMA	AMERICAN RAILWAY ENGINEERING AND MAINTENANCE OF WAY ASSOCIATION
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
ATT, AT&T	ATLANTIC TELEPHONE AND TELEGRAPH COMPANY
AWG	AMERICAN WIRE GAUGE
AWS	AMERICAN WELDING SOCIETY
BART	BAY AREA RAPID TRANSIT (DISTRICT)
BNSF	BURLINGTON NORTHERN SANTA FE
CA	CALIFORNIA
CALCAS	CALIFORNIA ACCESS COMPLIANCE SOURCE
CALDAG	CALIFORNIA DISABLED ACCESSIBILITY GUIDEBOOK
CALTRANS	CALIFORNIA DEPARTMENT OF TRANSPORTATION
CCJPA	CAPITAL CORRIDOR JOINT POWERS AUTHORITY
CCR	CALIFORNIA CODE OF REGULATIONS
CEC	CALIFORNIA ELECTRICAL CODE
CHSR	CALIFORNIA HIGH SPEED RAIL
CHSRA	CALIFORNIA HIGH SPEED RAIL AUTHORITY
CPUC	CALIFORNIA PUBLIC UTILITIES COMMISSION
DOT	DEPARTMENT OF TRANSPORTATION
EIA	ELECTRONICS INDUSTRIES ALLIANCE
FCC	FEDERAL COMMUNICATIONS COMMISSION
FED	FEDERAL
FHWA	FEDERAL HIGHWAY ADMINISTRATION
FRA	FEDERAL RAILROAD ADMINISTRATION
FTA	FEDERAL TRANSIT ADMINISTRATION
HST	HIGH SPEED TRAIN
JPB	(PENINSULA CORRIDOR) JOINT POWERS BOARD
MTC	METROPOLITAN TRANSPORTATION COMMISSION
MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
PCJPB, JPB	PENINSULA CORRIDOR JOINT POWERS BOARD
PCMCIA	PERSONAL COMPUTER MEMORY CARD INTERNATIONAL ASSOCIATION
PG&E	PACIFIC GAS AND ELECTRIC
SAMTRANS	SAN MATEO COUNTY TRANSIT DISTRICT
SCVTA	SANTA CLARA VALLEY TRANSPORTATION AUTHORITY
SFMTA	SAN FRANCISCO MUNICIPAL TRANSPORTATION AGENCY
SMCTA	SAN MATEO COUNTY TRANSPORTATION AUTHORITY
SPTC, SP	SOUTHERN PACIFIC TRANSPORTATION COMPANY (NOW UPRR)
TASI	TRANSIT AMERICA SERVICES, INC.
TIA	TELECOMMUNICATIONS INDUSTRY ASSOCIATION
TJPA	TRANSBAY JOINT POWERS AUTHORITY
UBC	UNIFORM BUILDING CODE
	UNDERWRITERS LABORATORIES
UPC	UNIFORM PLUMBING CODE
UPRR, UP	UNION PACIFIC RAILROAD
VTA	SANTA CLARA VALLEY TRANSPORTATION AUTHORITY

PENINSULA CORRIDOR JOINT POWERS BOARD

STANDARD DRAWINGS

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**GENERAL ABBREVIATIONS
SIGNAL, TRAIN CONTROL, AND
STATION COMMUNICATIONS**

REV	DATE	BY	CHK	APP	DESCRIPTION