

## SECTION 16702

### COMMUNICATIONS ABBREVIATIONS

#### PART 1 - GENERAL

##### 1.01 DESCRIPTION

- A. Article 1.03 COMMUNICATION ABBREVIATION LIST, of this Section lists various abbreviations for terms and organizations and prescribes the meanings for the abbreviations as used in the Communication Specifications. For further definition of the terms abbreviated, see Section 16701, Definition of Communication Terms.

##### 1.02 SECTION INCLUDES

- A. Communication Abbreviation List

##### 1.03 RELATED SECTIONS

- A. All Sections in the 16700 and 16800 series.

##### 1.04 COMMUNICATION ABBREVIATION LIST

<u>Abbreviation</u>	<u>Meaning</u>
AAR	Association of American Railroads 50 F St., N.W. Washington D.C. 20001-1564
AASHTO	American Association of State Highway and Transportation Officials
ACD	Automatic Call Distributor
ac	Alternating Current
AFC	Automatic Fare Collection Automatic Frequency Control
AG	Above Ground
AGC	Automatic Gain Control
AHA	American Hardboard Association
AM	Amplitude Modulation
ANSI	American National Standards Institute, Inc. 1819 L Street, NW Suite 600 Washington, DC 20036

amp	Ampere
APAAS	Automatic Public Address Announcement System
APA	American Plywood Association
APL	Average Peak Level
APD	Avalanche Photodiode
AR	As Required
ASCII	American Standard Code for Information Interchange
ASHRAE	American Society of Heating, Refrigerating and Air-Conditioning Engineers
ASTM	American Society for Testing and Materials 100 Barr Harbor Drive West Conshohocken, Pennsylvania 19428-2959
ATC	Automatic Train Control
AWG	American Wire Gauge
<b><u>B</u></b>	
BCD	Binary Coded Decimal
BER	Bit Error Rate
BG	Below Ground
bps	Bits Per Second
BUS OCC	Metrobus Operation Control Center
BW	Bandwidth
<b><u>C</u></b>	
C	Celsius (Centigrade)
CCITT	International Telegraph and Telephone Consultative Committee
CCS	Hundred Call - Seconds
CTV	Closed Circuit Television (System)
CDF	Combined Distribution Frame
CHP	Chilled Water Plant
cm	Centimeter

CMF	Central Maintenance Facility (building) now FMC
COMM	Communications
CPU	Central Processing Unit
CRT	Cathode Ray Tube
CTS	Carrier Transmission System

**D**

DADS	Data Acquisition and Display System
dB	Decibel
dc	Direct Current
DCDPW	District of Columbia, Department of Public Works
DPS	Drainage Pumping Station
DS	Digital Signal
DTMF	Dual Tone Multiple Frequency
DTS	Data Transmission System

**E**

ECS	Emergency Communications System
EDADS	Enhanced Data Acquisition and Display System
EE	Emergency Exit
EIA	Electronics Industries Alliance 2500 Wilson Boulevard Arlington, VA 2201
EMS	Emergency Medical Service
EMT	Electrical Metallic Tubing
EPR	Ethylene-Propylene-Rubber
ETS	Emergency Trip Station

**F**

F	Fahrenheit
FCC	Federal Communications Commission

FD	Fire Department
FDM	Frequency Division Multiplex
FEP	Fluorinated Ethylene Propylene
FIA	Fire and Intrusion Alarm (System)
Fig	Figure
FM	Frequency Modulation
FMC	Facility Maintenance Center
FMFB	Facilities Maintenance Field Base
FMNT	Facilities Maintenance
FOS	Fiber-Optics System
FRE	Fiberglass Reinforced Epoxy
FREC	Fiberglass Reinforced Epoxy Conduit
FRTS	Fire and Rescue Telephone System
FS	Fan Shaft Federal Specification
FSK	Frequency Shift Keying
ft	Foot, Feet
FVD	Flammable Vapor Detection (System)

### G

GAC	General Architectural Consultant
GCC	General Construction Consultant
GEC	General Engineering Consultant
GMFB	General Maintenance Field Base (building) now FMFB

### H

H	Horizontal
HIB	Halon Interface Box
HVAC	Heating, Ventilation, and Air Conditioning
Hz	Hertz

**I**

IC	Integrated Circuit
ICEA	Insulated Cable Engineers Association PO Box 440 South Yarmouth, Massachusetts 02664
ID	Identification or Identifier
IDF	Intermediate Distribution Frame
IDW	Intrusion Detection and Warning (System)
IEEE	Institute of Electrical and Electronics Engineers, Inc.
ILD	Injection Laser Diode
IMC	Intermediate Metal Conduit
ips	Inches Per Second
IR	Infrared

**J**

JEDEC	Joint Electronic Device Engineering Council
JGB	Jackson Graham Building 600 5th St., N.W. Washington, D.C. 20001

**K**

K	Kelvin
kHz	Kilohertz
km	Kilometer
KTS	Key Telephone System

**L**

LA	Line Applique
LED	Light Emitting Diode
LF	Linear Feet
LOI	Low Oxygen Index

**M**

M&TE	Measuring and Test Equipment
mA	Milliampere
Main PABX	Main PABX (at the JGB)
max	Maximum
MDF	Main Distribution Frame
mF	Microfarad
mFd	Microfarad
MHz	Megahertz
min	Minimum or Minute
mm	Millimeter
MPH	Miles Per Hour
MRS	Mobile Radio System
ms	Millisecond
MTBF	Mean Time Between Failures
MTPD	METRO Transit Police Department
MTTR	Mean Time to Repair
MUX	Multiplexer
mV	Millivolt
mW	Milliwatt
μm	Micrometer
<b><u>N</u></b>	
N	Newton, North
NA	Numerical Aperture
N/A	Not Applicable
NEC	National Electrical Code
NEMA	National Electrical Manufacturers Association 1300 North 17 <sup>th</sup> Street Suite 1847 Rosslyn, Virginia 22209

NFPA	National Fire Prevention Association
NIC	Not Included in (this) Contract
NIST	National Institute of Standards and Technology
nm	Nanometer
NRZ	None Return to Zero
NTSC	National Television System Committee

**O**

O&M	Operations and Maintenance
OCC	Operations Control Center
OCCB	Operations Control Center Bus
OCCB	Jackson Graham Building (formerly the Operations Control Center Building or Operations Command Center Building)
OCCS	Operations Control Center Security (Console)
OD	Outside Diameter
OEM	Original Equipment Manufacturer
OTDR	Optical Time Domain Reflectometer

**P**

PA	Public Address (System)
PABX	Private Automatic Branch Exchange
PAM	Pulse Amplitude Modulation
PAS	Public Address System
PC	Printed Circuit
PCM	Pulse Code Modulation
PD	Police Department
PEP	Peak Envelop Power
PERS	Passenger Emergency Reporting System
PERT	Program Evaluation and Review Technique
PIN	Positive-Intrinsic-Negative (refers to solid state structure of device)

PLJ	Primary Local Jurisdiction (Radio System)
PM	Phase Modulation
P/O	Part of
Pr	Pair
psi	Pounds Per Square Inch
p to p	Peak to Peak
PT&Z	Pan, Tilt, and Zoom
PVC	Polyvinylchloride

**Q**

QC	Quality Control
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**R**

RCA	Radio Corporation of America
RCF	Revenue Collection Facility (building)
RCV	Receive
RCVR	Receiver
REA	Rural Electrification Administration
RF	Radio Frequency
RHG	Rotary Hunt Group
RMFB	RAIL Maintenance Field Base
rms	Root Mean Square
ROW	Right-of-Way
RPTR, RPT	Repeater
RTCR	Remote Train Control Room
RTLTP	Reference Transmission Level Point
RTRC	Reinforced Thermosetting Resin Conduit
RTU	Remote Terminal Unit
RZ	Return to Zero



S

S&I	Service and Inspection (Yard)
SAS	Supervisory Alarm Subsystem
SCI	Substantial Completion Inspection
SPABX	Satellite PABX
SEJ	Sewage Ejector
SMADS	Station Monitor and Display System
SP	Sump Pump
SPDT	Single-Pole, Double-Throw Contact
SPL	Sound Pressure Level
SPNO	Single-Pole, Normally Open Contact
SPNC	Single-Pole, Normally Closed Contact
SSHB	Standard Specifications for Highway Bridges

T

TBS	Tie Breaker Station
TC	Train Control
TC/COMM	Train Control/Communications
TCR	Train Control Room
TDM	Time Division Multiplex
TDR	Time Domain Reflectometry
THD	Total Harmonic Distortion
TPSS	Traction Power Substation
TS,TEL	Telephone System
TV	Television
TX	Transmit

U

UHF	Ultra High Frequency
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UL Underwriters Laboratories  
UPS Uninterruptible Power Supply

**V**

V Vertical  
Vac Volts, Alternating Current  
Vdc Volts, Direct Current  
Vpp Volts, Peak to Peak  
VS Vent Shaft  
VSWR Voltage Standing Wave Ratio

**W**

WDM Wavelength Division Multiplex  
WMATA Washington Metropolitan Area Transit Authority (METRO).  
Also referred to as: "the Authority"  
600 Fifth St., N.W.  
Washington, D.C. 20001

**X**

X Transmit  
XLPE Cross-Linked Polyethylene  
XMT Transmit  
XMIT Transmit  
XMTR Transmitter

**PART 2 PRODUCTS  
NOT USED**

**PART 3 EXECUTION  
NOT USED**

**END OF SECTION**