

LIST OF ACRONYMS and DEFINITIONS

ACRONYM	MEANING
ACP	Adjacent Channel Power
APCO International	Association of Public-Safety Communications Officials – International, Inc.
ARQ	Automatic Retry Request (to retry corrupted packets)
BayRICS	San Francisco Bay Area Regional Interoperable Communications System
BER	Bit Error Rate
BR	Base Radio (A reference designating a base station)
BOD	Board of Directors
BTOP	Broadband Technology Opportunities Program
C4FM	Compatible Four-Level Frequency Modulation
CAI	Common Air Interface
CaSIEC	California Statewide Interoperability Executive Committee
COPS	Community Oriented Policing Services
CQPSK	Compatible Quadrane Phase Shift Keying
CRC	Cycle Redundancy Checksum (For data error detection)
DES	Data Encryption Synchronization (Information embedded in voice)
DiBit	Two bits grouped together to represent a four-level symbol
DPSK	Differential Phase-Shift Keying
DSRSD	Dublin San Ramon Services District

EBMUD	East Bay Municipal Utility District
EBRCSA	East Bay Regional Communications System Authority
EBRPD	East Bay Regional Park District
EOC	Emergency Operations Center
ES	Encryption Synchronization(Marks the first information bit)
FAA	Federal Aviation Administration
FSK	Frequency Shift Keying
Golay	A standard error correction code
Hex Bit	Six bits grouped together to represent a Reed-Solomon code symbol
ICE Bridge	The cabling path way from the radio shelter to the radio tower
ICTAP	Interoperable Communications Technical Assistance Program
IMBE vocoder	Improved Multiband Excitation vocoder, providing 4400 bit/s of digitized voice
IQ	In-phase/quadrature
KID	Key Identifier (Indicates the encryption key for the message)
JPA	Joint Powers Authority
LC	Link Control (Information embedded in voice)
LLC	Logical Link Control (sub-layer of the OSI Data Link Layer)
LMR	Land Mobile Radio (this refers to the Base station hill top radios, mobile radios, and handheld radios)
LSD	Low Speed Data (Data embedded in voice)
MAC	Media Access Control (Sub-layer of the OSI Data Link Layer)
MI	Message Indicator (to initialize encryption)

MOU	Memorandum of Understanding
MSC	Master Site Controller which is the central controller for the Trunking Radio System
MSK	Minimum-shift keying
NASTD	National Association of State Telecommunications Directors
NID	Network Identifier (The code word following the frame link)
NTIA	National Telecommunications & Information Administration
Octal	Base 8 notation for numbers (also called radix 8)
Octet	Eight bits grouped together (Also called byte)
OSI	Open Systems Interconnection reference model
Project 25 Phase I	The backwards compatible migration path to full Project 25 specification that specifies a 12.5 kHz bandwidth using C4FM modulation
Project 25 Phase 2	The backwards compatible migration path to full Project 25 specification that specifies a 6.25 kHz bandwidth using CQPSK modulation
PSIC	Public Safety Interoperable Communications
PSRSPC	Public Safety Radio Strategic Planning Committee
QPSK	Quadrature Phase Shift Keying modulation for data
QPSK-c	Compatible Quadrature Phase Shift Keying (Family of modulations)
RS	Reed-Solomon error connection code
SAP	Service Access Point (Where a network provides service)
SHSGP	State Homeland Security Grant Program
STS	System to system, one of the proposed approaches to interoperability testing
SUASI	Super Urban Area Security Initiative

SVRCS	Silicon Valley Regional Communications System
TBD	To Be Determined
TDMA	Time Division Multiple Access
TETRA	Terrestrial Trunked Radio: An open digital trunked radio standard defined by the European Telecommunications Standards Institute
TIA	Telecommunications Industry Association
Type III Encryption	Type of encryption used for non-classified communications
Type IV Encryption	Type of encryption used for export
UASI	Urban Area Security Initiative
UM	Common Air Interface reference point
WBRCS	West Bay Regional Communications System