



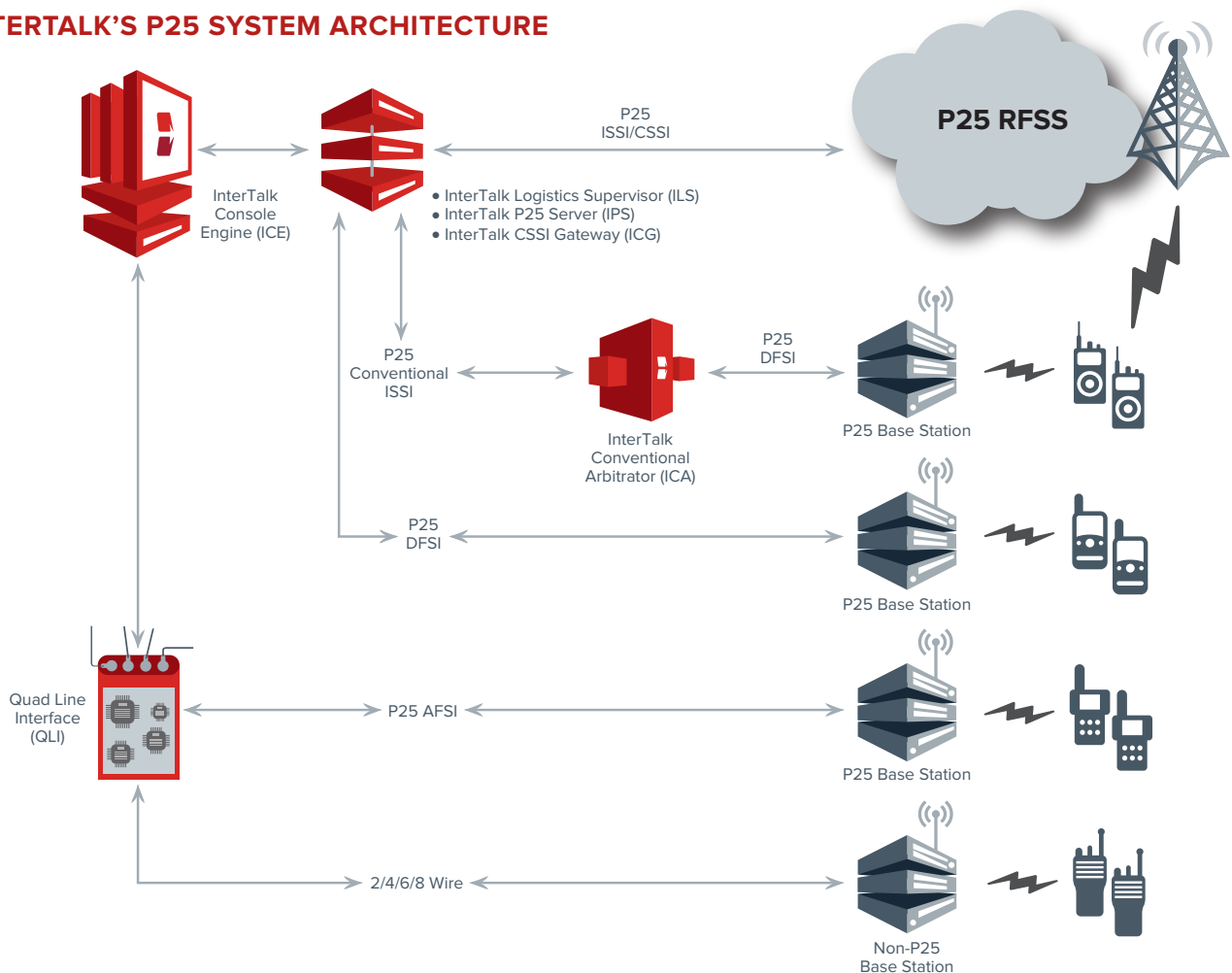
# P25

## InterTalk Integrated Dispatch and Control Console System

### INTERTALK IS YOUR ADVANCED P25 CONSOLE SOLUTION

Project 25 (P25) is the standard for digital wireless communications products. Governed by the Telecommunications Industry Association (TIA), and developed with input from public safety officials at the local, state, and federal levels, P25 is administered by the TIA's Mobile and Personal Private Radio Standards Committee known as TR-8. P25 technology has many benefits to its end users, including interoperability, integrated voice and data, easy migration, competitive procurement opportunities, and spectral efficiency.

### INTERTALK'S P25 SYSTEM ARCHITECTURE



# P25

## InterTalk Integrated Dispatch and Control Console System

	FEATURE	P25 CONVENTIONAL	P25 TRUNKING
VOICE	Unaddressed Voice Call	✓	N/A
	Voice Group Call	✓	✓
	Announcement Group Call	N/A	✓
	Broadcast Voice Call	N/A	✓
	System Voice Call	N/A	✓
	Individual (Unit-to-Unit) Call	✓	✓
	Emergency Group Call	✓	✓
	Emergency Unit Call	✓	✓
	Call Prioritization	✓	✓
	Call Pre-emption	✓	✓
SUPPLEMENTARY	Call Interrupt	✓	✓
	Emergency Alarm	✓	✓
	Talking Party Identification	✓	✓
	Discreet Listening	✓	✓
	Radio Unit Monitoring	✓	✓
	Audible Signaling	✓	✓
	Radio Inhibit/Uninhibit	✓	✓
	Radio Check	✓	✓
	Status Request	✓	✓
	Status Update	✓	✓
	Call Alert	✓	✓
	Short Messaging	✓	✓
	Radio Detach	N/A	✓
	AES/DES Encryption	✓	✓
	CONSOLE	Console Priority	✓
Registration		✓	✓
Cross-Patching		✓	✓

### NIST STANDARDS FOR CRYPTO MODULE

STANDARD	DATE	DESCRIPTION
FIPS PUB 140-2	Jan 1994	Security Requirements for Cryptographic Modules
FIPS PUB 197	Nov 2001	Advanced Encryption Standard (AES)
FIPS PUB 46-3	Oct 1999	Data Encryption Standard (DES)

### SUPPORTED INTERFACES

Trunked Inter-RF Subsystem Interface (ISSI)
Trunked Console Subsystem Interface (CSSI)
Conventional Inter-RF Subsystem Interface (ISSI)
Analog Fixed Station Interface (AFSI)
Digital Fixed Station Interface (DFSI)

### SUPPORTED TIA STANDARDS

STANDARD	DATE	DESCRIPTION
TSB-102.BACC-B	Nov 2011	ISSI Overview
TIA-102.BACA-B	Nov 2012	ISSI Messages and Procedures for Voice and Mobility Mgmt Services
TIA-102.BACD-B	Nov 2011	ISSI Messages and Procedures for Supplementary Data Services
TIA-102.BACE	Jun 2008	ISSI Messages and Procedures for Conventional Operation
TIA-102.BAHA	Jun 2006	FSI Messages and Procedures
TIA/EIA-102.AAAA-A	Feb 2001	DES Encryption Protocol
TIA/EIA-102.AAAD-A	Aug 2009	Block Encryption Protocol
TIA-102.BABA	May 1998	Vocoder Description
TIA-102.BABA-1	Jul 2009	Half-Rate Vocoder Annex

### TESTED AGAINST THE FOLLOWING STANDARDS

STANDARD	DATE	DESCRIPTION
TIA-102.CACC	Jan 2009	ISSI Conformance Test Procedure
TIA-102.CACC-1	Aug 2011	ISSI Conformance Test Procedure Addendum 1 - Supplementary Data
TSB-102.CBBK-A	Mar 2010	Recommended Compliance Assessment Tests - Trunking ISSI
TIA-102.CACD-A	Feb 2010	ISSI Interoperability Test Procedures for Trunked Systems Involving the ISSI
TIA-102.CACB	Apr 2007	ISSI Performance Recommendations for Voice Services
TIA-102.CACB-1	Dec 2008	ISSI Performance Recommendations for Voice Services - Addendum 1 - Trunked Console ISSI
TIA-102.CACA	Apr 2007	ISSI Measurement Methods of Voice Services
TIA-102.CACA-1	Dec 2008	ISSI Measurement Methods of Voice Services - Addendum 1 - Trunked Console ISSI
CAB Document	Mar 2010	P25-CAB-ISSI_TEST_REQ: ISSI Testing Requirements

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\*\*Not all sections of these documents are relevant to console operation, and standards tested against are available upon request.