



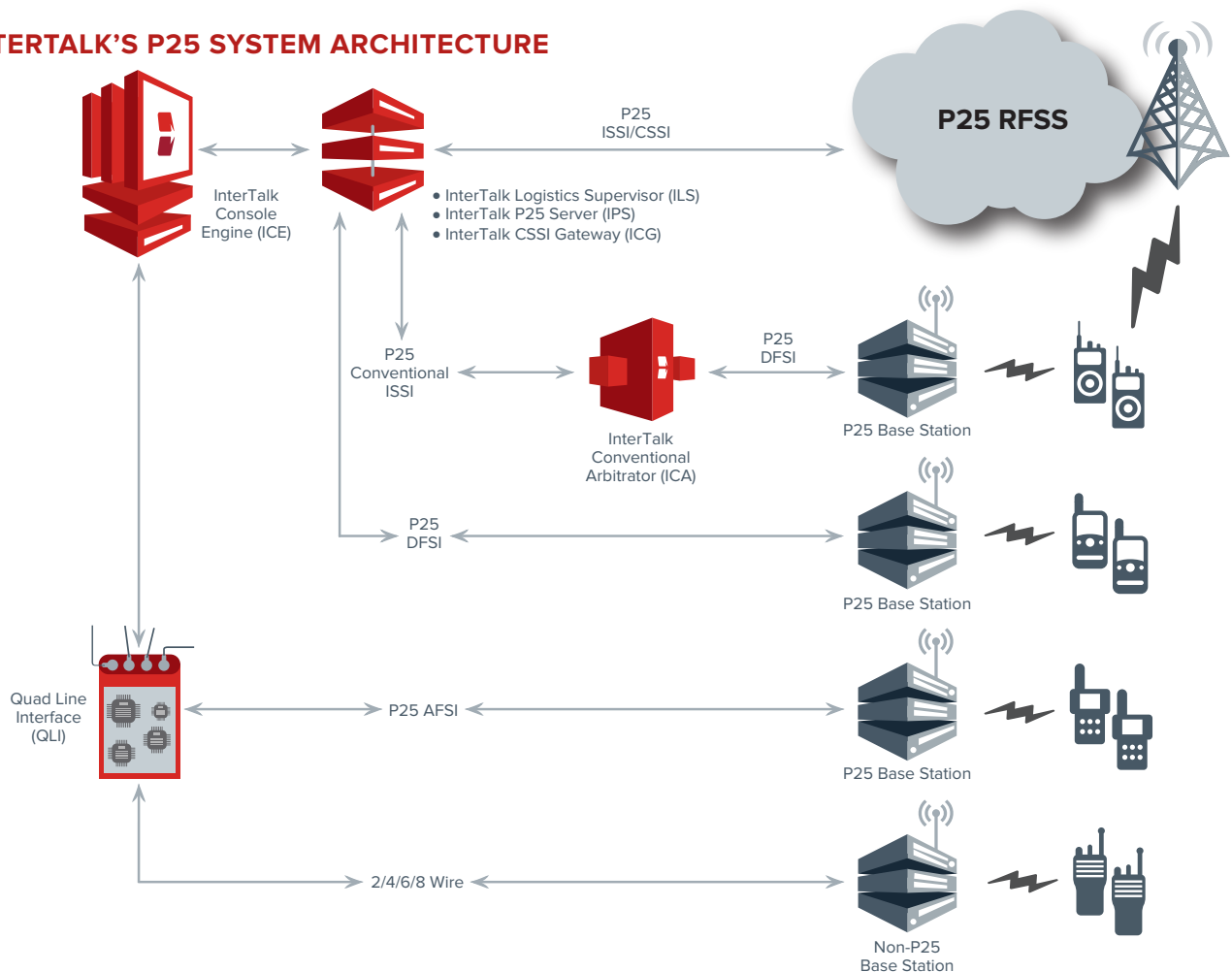
P25

InterTalk Dispatch Console System

INTERTALK HAS YOUR ADVANCED P25 CONSOLE SOLUTION

Project 25 (P25) is the standard for digital wireless communications products. Governed by APCO and 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 Dispatch 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 | ✓ | ✓ |
| | Emergency Alarm Cancel | ✓ | ✓ |
| | Group Emergency Cancel | ✓ | ✓ |
| | 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.