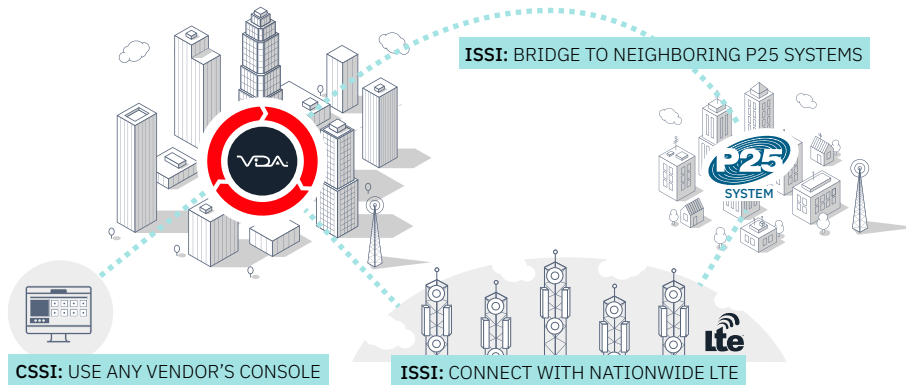# L3HARRIS®
FAST. FORWARD.

ISSI GATEWAY

Enable P25 Interoperability for Systems, Consoles and MCPTT

The Inter-RF Subsystem Interface (ISSI) is a standards-based software solution that enables interoperability between P25 radio systems from different manufacturers. The solution additionally provides a universal adapter for different manufacturer consoles and connects P25 radio systems with nationwide carriers for Mission-Critical Push-to-Talk (MCPTT) services.

ISSI: BRIDGE TO NEIGHBORING P25 SYSTEMS

CSSI: USE ANY VENDOR'S CONSOLE

ISSI: CONNECT WITH NATIONWIDE LTE

SHARE COVERAGE AND OPERATE WITH NEIGHBORING SYSTEM USERS

The ISSI Gateway extends coverage by connecting to another P25 system, enabling first responders to stay connected to their home system even when they travel outside the network range and into the coverage of nearby systems. Users can communicate with their home system, a nearby system, or both simultaneously.

During multi-agency responses across systems, the ISSI Gateway enables interoperability between radio systems and its users. It maintains critical communication and will support essential operations in unpredictable emergencies, allowing agencies and users from separate systems to respond jointly.

PROVIDE A UNIVERSAL ADAPTER FOR ANY CONSOLE

The ISSI Gateway has a built-in universal interface known as the Console Subsystem Interface (CSSI), which allows any system to work readily with other consoles using a CSSI as defined by TIA-102 BACA standards.

CONNECT WITH MCPTT CARRIERS NATIONWIDE

L3Harris currently offers nationwide MCPTT capabilities by using the ISSI Gateway to connect to FirstNet® and other national carriers. By integrating with these carriers, L3Harris leverages its network infrastructure to expand coverage and enhance service resilience. Systems and users with MCPTT functionality can seamlessly interoperate, facilitating coordinated communication during joint response efforts.

KEY BENEFITS
> Keep users connected when roaming between P25 systems

> Extend and share coverage with neighboring systems

> Flexibility to use your preferred consoles

> Access to nationwide carriers for MCPTT capabilities

> Fully virtualized to reduce hardware needs and costs

KEY USE CASES
> Connecting with a statewide system for greater coverage

> Responses with neighboring P25 systems for mutual aid calls

> Use existing consoles on a new system to save your prior investment

> Make an MCPTT voice call within an LMR coverage dead zone or obstructing building

> Multiple system users can participate in a joint response using only MCPTT without the need for other ISSI connections

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SPECIFICATIONS FOR: INTER-RF SUBSYSTEM INTERFACE (ISSI) GATEWAY

INDUSTRY STANDARDS & INTERFACES
P25 Phase 1 and Phase 2 Support
P25 Compliance Assessment Program (CAP)
TIA-102 BACA Standards
Console Subsystem Interface (CSSI)
AT&T FirstNet Inter-Working Function (IWF)

L3HARRIS ADDITIONAL FEATURES
Health, Status and Fault Reporting
Automatic Registration Updates
Call Activity History and Reporting
OpenSky® Network Management Center Support
High Availability Fault Tolerance

P25 STANDARD FEATURES
User Information
Group and Unit Registrations
Group Affiliation
Caller IDs
Voice Calling
Group Calls - Unconfirmed
Group Calls - Emergency
Group Calls - Confirmed
Group Calls - Encrypted
Call Queuing
Call Priority
Call Pre-empt
Call Arbitration
Unit-to-Unit Individual Calls
User Roaming
Automatic Roaming
Manual Roaming
Supplementary Data Services
Short/Pre-programmed Message
Status Update

Funding and Grants Support

Our experts are standing by to help you select the best communications technology for your needs and to provide support as you navigate today's complicated funding options.

> Our Public Safety and Professional Communications Grant Funding Program Office (GFPO) can help you find grants that meet your current and long-term goals.

> Get access to expert grant writing and project management professionals to improve the competitiveness of your application.

> While we cannot guarantee funding, we can assist you in submitting a successful grant application.

LEARN MORE
Connect with our funding and grant support services

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