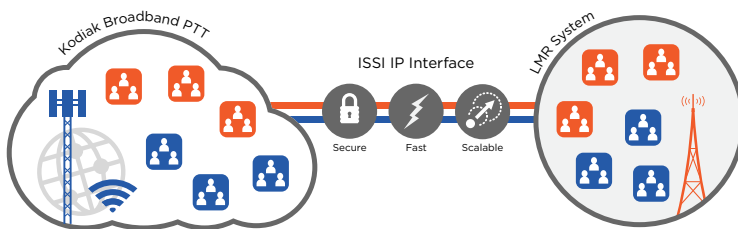


P25 Inter-RF Sub-system Interface Implementation

Seamless LMR Interoperability with Broadband PTT through ISSI

As the leader in open, standards-based Broadband Push-to-talk (PTT) over LTE/4G, 3G, and Wi-Fi networks, Kodiak places interoperability at the center of who we are and what we do. This is why Kodiak has implemented the APCO Project 25 (P25) Inter-RF Sub-system Interface on the Kodiak Broadband PTT solution to enable clear and reliable communications with land mobile radio (LMR) networks from leading vendors such as Airbus DS Communications.



The P25 Inter-RF Subsystem Interface (ISSI) standardizes the messaging used for voice and data transport between P25 networks, making interoperable communication between multiple systems possible, even if they are using different frequency bands. ISSI also provides a common meeting place for P25 RF Sub-systems and broadband push-to-talk (PTT) networks, providing interoperable communication without the need for gateways, donor radios, and donor phones.

The Kodiak implementation of ISSI provides direct communications, one-to-one as well as group, between Broadband PTT users and users on P25 LMR networks. Because ISSI supports direct communication between Broadband PTT and P25 LMR users, setup is faster and more efficient, without the need for patching or gateways. The direct communication enabled by ISSI also minimizes resource utilization by Broadband PTT users, for example eliminating the need for an additional recorder channel when a PTT user is part of a call.

With ISSI, the P25 network views Broadband PTT users the same as any other P25 LMR user, following the same registration process and providing the same communications capabilities (group calling, individual calling and call alerting).

The Kodiak implementation of ISSI on its Broadband PTT solution provides the seamless communications needed to complement an existing LMR service. Whether the need is for PTT communications outside the LMR coverage area, or a single device to access both mobile data applications and an LMR network, the Kodiak Broadband PTT solution with ISSI delivers the carrier-integrated push-to-talk services necessary to increase connectivity, improve productivity, and reduce costs.

ISSI Benefits

- Faster, more efficient call setup
- Direct communication—no need for console patches or gateways
- Broadband PTT user equivalent to LMR user—same registration and feature/ functionality