KODIAK

P25 Console Sub-system Interface Implementation

CSSI Offers a New Level of Kodiak Broadband PTT/LMR Interoperability

At Kodiak, interoperability is at the center of who we are and what we do. As part of that commitment to interoperability, we have implemented the APCO Project 25 (P25) Console Sub-system Interface on the Kodiak Broadband push-to-talk (PTT) solution to enable seamless communications with land mobile radio (LMR) dispatch consoles from leading vendors such as Avtec and Zetron.

The Console Sub-system Interface (CSSI) standardizes the messages used to transport voice and call data between a dispatch console subsystem and a P25 RF Subsystem (RFSS), providing interoperability between any standards-compliant console and P25 LMR network. CSSI also opens a new level of interoperability between the Kodiak Broadband PTT solution and P25 LMR networks, making it possible for Kodiak-powered PTT users and console dispatchers to communicate directly, without need of gateways and donor devices.
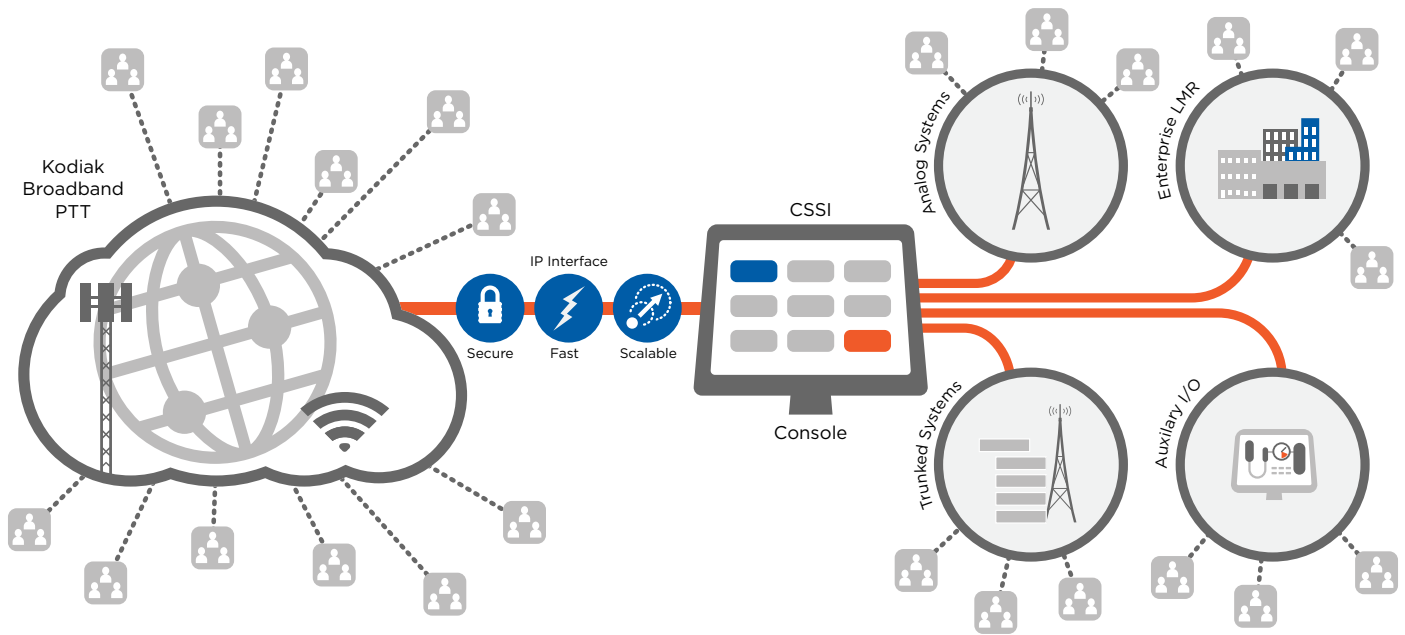
CSSI Benefits

- IP-based connectivity to consoles in single location or distributed on WAN

- Console becomes hub for all push-to-talk communication

- Greater access for Broadband PPT users — LMR talkgroups, users, and networks

- Broader connectivity for dispatchers – reach users via LMR, 4G/LTE, 3G, and Wi-Fi communication

As an IP-based wireline interface, CSSI provides fast, reliable setup of communications sessions between the Kodiak Broadband PTT solution and dispatch consoles, whether those consoles are in a single location or distributed over a wide area network. In addition, by eliminating the need for intervening gateways, radios, and phones, CSSI

its implementation on the Kodiak Broadband PTT solution, CSSI provides the seamless interoperability needed to take LMR augmentation to the next level, making it possible to expand the number of users, extend network coverage, and enhance feature/functionality without adding new LMR sites, frequencies, or gateways.

simplifies the effort required to expand the number of push-to-talk users and dispatchers that can communicate simultaneously, with a single interface capable of supporting a large number of concurrent sessions.

The Kodiak implementation of CSSI also makes dispatch and resource coordination easier and more efficient because dispatchers can conduct both group and one-to-one calls directly with push-to-talk users on cellular networks. In turn, PTT users can communicate with talkgroups and other LMR networks associated with the CSSI-enabled consoles, providing a level of connectivity previously only available to LMR users.

The P25 suite of standards forever changed the proprietary nature of LMR networks, defining the interfaces needed for interoperable communication between components from different vendors. With

About Kodiak

The leading open, standards-based push-to-talk solution, Kodiak Broadband PTT delivers clear, reliable, sub-second calling performance and LMR interoperability over LTE/4G, 3G, and Wi-Fi networks. As a result, Kodiak has the largest carrier-integrated PTT network footprint in the world, with deployments across carriers in North America, Latin America, and Europe, including AT&T, Bell Canada, KPN, Telefónica, and Verizon. Kodiak also supports a robust partner ecosystem, testing and certifying smartphones, ruggedized devices, interoperability gateways, dispatch consoles, accessories, and enterprise productivity applications.

To learn more about the advantages of the Kodiak Broadband PTT solution and carrier-integration, visit kodiakptt.com.