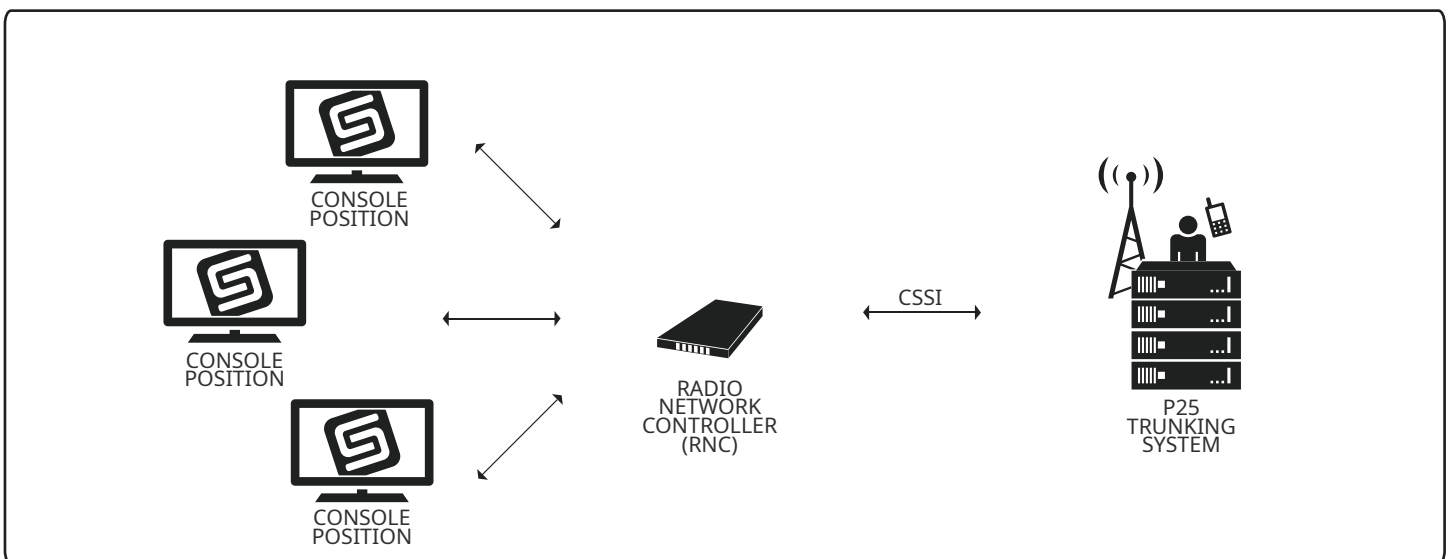# P25 SYSTEM INTERFACE

Mindshare P25 Gateways provide direct digital IP communication between Mindshare Console Systems and P25 Radio Systems. These gateways implement the APCO P25 standards for direct communication with P25 systems.

BENEFITS

- Totally Digital Audio Path from Microphone to Speaker.
- No per-console licensing fee and no limit on the number of consoles allowed.
- Redundant server operation is support for mission critical scenarios.
- Server support for additional simultaneous calls is field upgradeable.
- Linux based system for ultimate reliability and up-time.
- Features a Web Based setup and control interface for the easiest possible configuration.

CSSI

Mindshare implements the P25 Console Sub-System Interface (CSSI) in a gateway referred to as a Radio Network Controller (RNC). Features include Group Calling, Private Calling, Emergency Calling and more. Support is available for P25 security for end to end encryption. Key management with industry standard key loaders, as well as support for AES and DES encryption, along with a fully FIPS140-2 compliant solution are available as well.

DFSI

Mindshare implements the P25 Digital Fixed Station Interface (DFSI) in a gateway referred to as a DFSI Conventional Gateway (DCG) in order to interface with P25 Conventional Radio Systems (CRS). A single DCG can manage multiple DFSI connections to various conventional stand alone stations or networks. Each connection may be presented to the console system in a control station or sytem mode of operation.

General Features

• DFSI version 1 and 2 compatibility
• Channel Change
• Repeat On/Off
• Monitor (Squelch Bypass)
• Voter receiver selected/enabled/disabled status and control
• Voter transmitter selected/enabled/disabled status and control

Digital Features

• Full-Rate AMBE voice encode/decode
• Group Calling
• Individual Calling
• Emergency Calling and Alarming
• Radio Check, Stun, Revive, Remote Listen, Call Alert, Status Querying, Status Messaging
• NAC Control
• DES/AES Encryption
• RX/TX Level Settings
• RX Equalization

Analog FM Features

• MDC-1200 Emergency alarm decode
• MDC-1200 ID encode/decode
• CTCSS/CDCSS control
• RX/TX Level Settings
• RX Equalization

CONSOLE POSITION
CONSOLE POSITION
CONSOLE POSITION

DFSI CONVENTIONAL GATEWAY (DCG)

DFSI
DFSI
DFSI

P25 REPEATER
P25 REPEATER
P25 REPEATER

MADE in the USA