

Interagency Cooperation for South American Public Safety Agencies

Case Study

Overview

Interfacing Radios

Public Safety Authority in a South American Capital required a means to interconnect radio communications across multiple agencies such as Fire, Local & State Police and Emergency Telephone Centers.

619DSRI interoperability gateways interfaced the radio communications side while IPR110+ Radio over IP Gateways were able to interface the radio to SIP Telephones.

Configurable Groups

Improved Operations Management

The 619DSRI Audio Bridge has enabled cross-banding of radio transceivers between the public safety agencies. The 619DSRI is capable of being pre-configured to suit a number of different user groups and network structures to suit various operational scenarios. In this example, the 619DSRI can be programmed to suit standard day-to-day operations but an alternate configuration can also be set for various emergency scenarios.

Additionally, the interoperability gateways can be quickly and easily re-configured via a web interface if the pre-configured settings do not suit a particular scenario.

Interfacing to SIP

SIP Telephony Connectivity

In addition to the requirement to interconnect radios, the public safety authorities required an interface to SIP phones.

Customer Profile

South American Public Safety Authority

Application

Interagency Cooperation

Business Benefits

- Improved communication across agencies
- Improved response times
- Increased safety and productivity
- SIP telephone integration
- Ability to adapt to multiple scenarios
- Easily expandable

Products Used

- 619DSRI Interoperability Gateway
- IPR110+ RoIP Gateway



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619DSRI Interoperability Gateway

On-the-fly

- Dynamic linking & auto path steering

Smart Tone Signalling

- Automated actions using CTCSS & inband tones

Web Configuration

- Easy set up, management & diagnostics over IP



Quickly Link & Re-group

- Combine & connect users & agencies on demand

Interoperability Interface

- Flexible, easy & safe connection to analog & digital radios

Remote Control over the Air

- Instant changes from a DTMF handset

The IPR110+ suits most SIP applications but enhanced SIP connectivity was required in this case. The Omnitronics engineering team were quick on the case and were able to enhance the operation to provide better control of the telephone session.

Conclusion

Safer Environment For All

By using a combination of Interoperability Gateways and IP Gateway solutions, the Public Safety Agencies were able to create interoperability across radios and SIP telephones in a manner that can be easily reconfigured to suit operational requirements.