

Application Note DX-64

ARMIDALE DUMARESQ COUNCIL IMPLEMENTS PHONE & P25 DISPATCH SOLUTION

Customer Profile

- Armidale Dumaresq Council

Application

- Flexible Radio Management System for Telephone and P25

Business Benefits

- Integration of Radio and Telephone Communications
- Reduced Reliance on Dispatch Operators
- Increased choice and flexibility
- Increased efficiency through Individual Calling
- Uses existing IP Network
- Scalable

Products Used

- DX-64 Digital Radio Management System
- IPR110+ IP Gateway's

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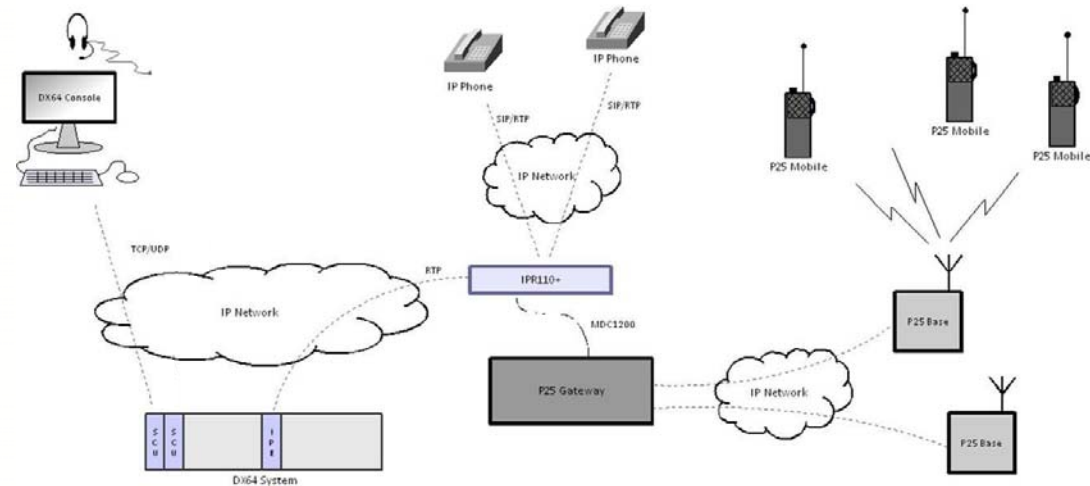
➤ Overview

Armidale Dumaresq Council required a radio management system to facilitate radio communications through a variety of pathways. Vertel was commissioned to upgrade their radio dispatch system to integrate the latest telephony and two-way technologies. After the successful implementation of a similar system at Coffs Harbour City Council for over two years, the DX-64 Radio Management System was chosen.

➤ The Challenge

The challenge was to create interoperability across protocols into the one system to facilitate not only dispatcher to radio user communications but also to enable council staff and supervisors on their SIP enabled VoIP Phones to talk directly with the mobile radio fleet on P25 radios. Individual Calls were also a priority.

➤ Solution



In the dispatch centre, operators use the DX-64 Digital Radio Management System with complete and easy to manage access to the radio network over the existing IP infrastructure. Operators can individually call P25 subscribers by keying in a DTMF sequence. SIP Technology has also been incorporated giving personnel in the offices the ability to make broadcast or individual calls to P25 radios via their VoIP telephone terminal. This is done by dialing a Phone number to the relevant IPR110Plus IP Gateway and then selecting the P25 subscriber they want to talk to.

➤ Conclusion

Council Staff are now able to easily connect to any group or individual P25 radio user in the field without relying solely on dispatch operators, increasing their efficiency and enabling them to stay in touch no matter where they are.

Thanks to Vertel for recommending and implementing another successful system.

