

## Application Note DX64 Digital Radio Management System

# DISPATCH NETWORK ESTABLISHED ACROSS AUSTRALIA FOR WILSON SECURITY

### Customer Profile

- Wilson Security offers fully integrated security services across Australia.

### Application

- Wide Area Radio Network with multiple Dispatch Locations

### Business Benefits

- Reliable wide area coverage
- System Flexibility
- Backup Locations available
- Easily Expandable

### Products Used

- DX64 Digital Radio Management System
- IPR100 VoIP Gateway Interface Unit

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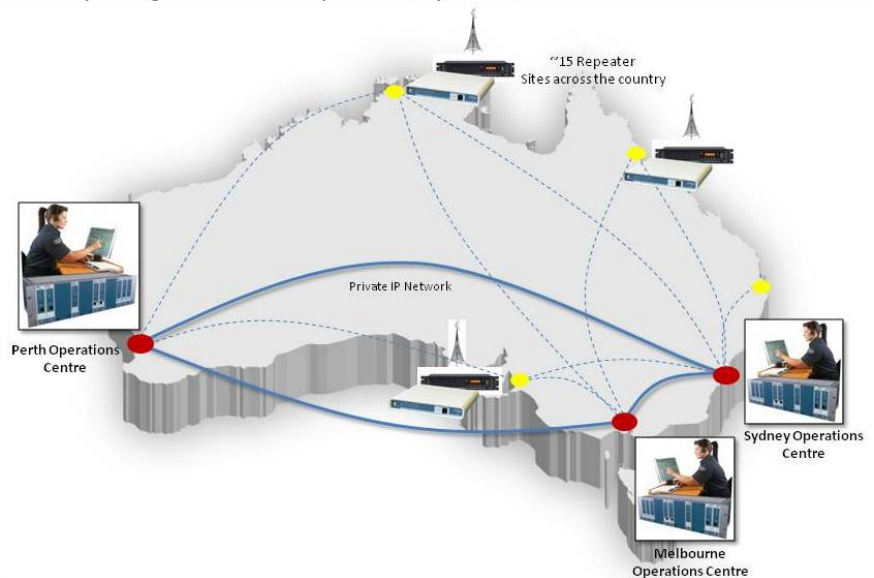
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### ➤ Overview

Wilson Security, a nationwide integrated security solutions company, required a radio management system to oversee their operations. This required that multiple dispatch centers be established across Australia - in Perth, Melbourne and Sydney. These dispatch centers must be able to communicate to each other over the 3,300km (2050 mile) distance. In addition each of these centers must be able to communicate to the person in the field, no matter where in Australia they were. The DX64 Digital Radio Management System with fully integrated VoIP capabilities proved to be the solution.



### ➤ The Challenge

The challenge was to establish links between the operations centers over a wide area that allowed for both shared and local control.

### ➤ Solution

Operating over a private IP network, each of the DX64 Digital Radio Management systems were able to provide access to Wilson Security's entire radio network. IPR100, Radio over IP (RoIP) interfaces, were used at over 15 different repeater sites all around the country. Each of these IPR100's was configured using Omnitronics' unique conferencing mode allowing them to be connected to one or to all of the DX64 systems, according to Wilson Security's needs.

### ➤ Conclusion

The DX64 Digital Radio Management System is ideal for medium to large organisation's requiring a customised, digital solution. Combined with the IPR100's a wide area network with flexible control was established.

TR Bearcom took the time to understand the user's requirements and worked closely with Omnitronics to implement the solution.

