

Airservices Australia



Improved Functionality and Interoperability

Challenge

- Mission critical communication requirements for high risk fire, rescue and safety operations.
- Existing network was aging and no longer appropriate for increasingly complex and time critical operations.
- Airservices Australia ran a competitive tender for the provision and ongoing maintenance of a digital two way radio network for Rescue and Fire operations across 22 airports.

Solution

- Vertel worked in close partnership with Airservices Australia to design, build and deliver a P25 radio network.
- Project delivered on time, to budget and to an excellent level of satisfaction from Airservices Australia.
- All sites linked over IP WAN to centralised operations.

Airservices Australia have an international reputation for excellence in safety, innovation and environmental performance.”

Michael Mee, Senior Engineer

Value

- Managed Services for Airport rescue and Fire Fighting (ARFF).
- Single partner providing 24/7/365 national support.
- Tailored preventative maintenance schedule for sites and systems.
- Interoperability with other emergency service agencies.

Business Challenge

Airservices is a government owned corporation providing safe and environmentally sound air traffic control management and related safety, rescue and fire fighting services. Some 63 million passengers are served annually by Airservices via the safe handling of over 4 million domestic and international flights.

An increasing level of traffic (in number of passengers and plans) coupled with a growing threat to national security has resulted in a requirement for higher quality systems and networks for command and control type communications. Airservices had commenced a ambitious upgrade plan to its fixed and mobile communications systems throughout he many airports in Australia.

An opportunity was identified to upgrade the current analogue land mobile radio network with a digital service. This network would improve the quality of the infield communications for the fire and rescue team and serve as a platform that could be interfaced with other government and emergency services agencies if and when required.

Our Solution

- Selection of appropriate P25 vendor and design for environment. 22 airports with multiple bases in existing and acquired site locations.
- System capable of interoperability with array of fixed and mobile networks.
- Fully and expertly project managed with relevant consideration for unique operating environments.
- Extensive on site training of users resulted in excellent acceptance and ability to use the system.
- Works includes ongoing maintenance and various scope extensions such as tunnel coverage.



Value Proposition

On Budget, On Time, To Specification

- Project risk for major upgrade mitigated by the use of effective project management.
- Created excellent platform for internal support for future projects within ASA.



Improved Functionality

- Better clarity in directions and overall communications through improved audio in high noise areas.
- Facilitation of process improvements in ASA operational activities.

Network Flexibility and Interoperation

- Global standard for interoperability provides for simple yet dynamic interconnects with other government agencies and carrier networks.
- Future proof technology with no vendor lock in and confidence in ability to meet future configuration requirements.

"Communications are critical to everything we do. Vertel have not only delivered a fully compliant, future proof solution but continue to provide us with thought leadership on next generation innovation and technology"