Application Report IPR100 VoIP

Customer Profile

Australiasian Safari 2007

Application

 To develop a communications solution to enable event organisers to effectively communicate during the outback safari.

Business Benefits

- Improved safety
- Cost savings by utilising existing IP and satellite infrastructure
- Improved event coordination

Products Used

IPR100's

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IPRIOO'S & SATELLITE USED DURING OFF-ROAD RALLY

→ Customer Overview

The Australasian Safari is a popular motorsport competition held in various outback locations within Australia. Often referred to as Australia's version of 'Paris to Dakar' this event attracts participants from around the world

→ The Challenge

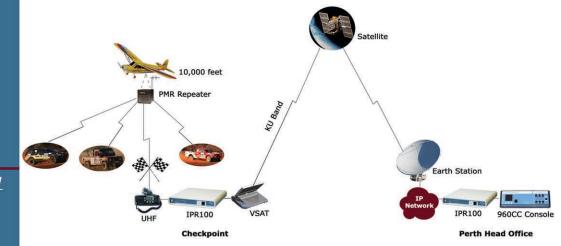
The Safari team wanted a communications solution that allowed off road event organisers to effectively communicate with the head office in Perth during the event. A mobile communications solution was needed as the race travelled more than 3,000km's through the remote outback towns of Kununurra, Port Hedland, Newman, Kalgoorlie and back to Perth over 10 days. And to make this situation more interesting, at any point during the event the vehicles can be hundreds of kilometers away from each other so a solution with expansive reach was required.

-> Solution

The team at Orion Satellite Systems worked with the Safari organisers to develop a unique solution using satellite technology. A VSAT terminal was used to link in an IPR100 working a trigger radio into a PMR repeater which was

"Essentially the organisers created a mobile PMR network with more than 300km of range that moved with the event"

operated from an aeroplane travelling at 10,000 feet. The IPR100 was in turn linked back to the Perth head office for the entire event, keeping the Perth operators in touch with event organisers as they moved throughout the remote areas of Western Australia. Essentially, the organisers created a mobile PMR network with range greater than 300km that moved with the event.



Conclusion

By combining the power of Voice over IP and satellite technologies, the 2007 Australiasian Safari event organisers were able to effectively communicate at any point during the event. This cost effective solution improved safety standards and allowed the event to run smoothly. Omnitronics is greatful for the efforts of the Orion Satellite Systems team in integrating this highly innovative solution.