



SAF Australia is the official national representative of the European microwave radio manufacturer SAF Tehnika. Based in Salamander Bay, NSW and Brisbane, QLD, **SAF Australia** together with our regional distributors supply SAF microwave radios systems as well as a full package of services to customers across the country. SAF microwave radios provide wireless data and voice transmission solutions to major fixed and mobile operators, ISPs, councils, utilities companies, schools/universities and many other customers in nearly 100 countries worldwide, including Australia.

Please contact us for a free consultation and a no obligation quote, we will be happy to assist you.

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Temporary Wireless Point-to-Point Link for Bureau of Meteorology Canberra

THE CUSTOMER

The Bureau of Meteorology is Australia's national weather, climate and water agency. Its expertise and services assist Australians in dealing with the harsh realities of their natural environment, including drought, floods, fires, storms, tsunami and tropical cyclones. Through regular forecasts, warnings, monitoring and advice spanning the Australian region and Antarctic territory, the Bureau provides one of the most fundamental and widely used services of government.

The Bureau contributes to national social, economic, cultural and environmental goals by providing observational, meteorological, hydrological and oceanographic services and by undertaking research into science and environment related issues in support of its operations and services.

THE REQUIREMENT

Bureau of Meteorology Canberra was moving into a new office over a 6 month period during which they needed to provide seamless connectivity including VoIP services between the existing and the new office. Specific requirements were:

- True TCP/IP throughputs better than 100Mbps
- High levels of availability
- Low cost

THE SOLUTION

SAF Australia identified CFOL5 GHz class-licensed radios as the best solution to meet the customer's needs. Two SAF CFOL high-speed class-licensed radios were used at each site to provide two completely independent links providing up to 70Mbps each. These links are using the lower part of the 5GHz class-licensed spectrum to avoid congestion issues. Each link is managed by a switch to route traffic over both links and automatically reroute traffic in the event of an equipment failure. All equipment is also backed up by a UPS for protection in the event of a power failure. SAF Australia installed and commissioned the wireless radios within just two days and both links have been working flawlessly since, providing a combined throughput of up to 140 Mbps.

