

Department of Defence Australia

Case Study



THE CUSTOMER

The Australian Department of Defence is using advanced Tait radio communications technology in 24 training areas across the country, as part of its Standard Training Area Range Safety Network (STARSN) to be rolled out over 18 months.

SITUATION

The DoD had identified shortcomings in its range safety communications. It needed a standardized solution for its training ranges throughout Australia, and required a communications system that was compatible with its existing combat radio equipment – without diverting these resources from combat training activities.

Tait won the DoD contract after a successful Quasi-Sync demonstration that proved the interoperability between commercial equipment and the combat net military equipment.

“The system minimizes any risk by avoiding the need to change frequencies depending on where personnel might be in the training area.”

Ben Lans - PS Management Consultants
STARSN Project Manager

RESPONSE

The revolutionary solution from Tait included sophisticated commercial equipment customized to interoperate with the DoD's existing equipment, and its Quasi-Sync system. Multiple repeater stations enable military personnel to communicate from anywhere on the training area using a single radio frequency.

The interoperability of Tait's radio communications system with the existing DoD combat radio system means troops training on the ranges do not have to carry additional radios to be on the safety net. Tait undertook extensive product development to make its system compatible with the VHF combat radio system used by the DoD.

Commercial radio communications equipment operates on a narrower bandwidth to military equipment, and so the Tait custom integration team had to modify its equipment to suit the DoD's ultra-wide bandwidth requirements. In doing this, Tait overcame a difficult technical challenge for the DoD. Its Quasi-Sync system gives superior radio coverage over a wide area, by broadcasting simultaneously from several transmitters on the same frequency. This open channel provides instant contact between all military personnel using the system, increasing their safety during training exercises.

OUTCOME

Tait was the only company in Australasia that could meet the full radio requirements of the DoD for the STARSN project with a customized safety communications system. The STARSN project is one of the largest contracts for Tait in Australia and has given the DoD an excellent introduction to Tait.

MORE INFORMATION

For news, product specifications, comprehensive technical information and contact details of your nearest Tait service facility, please visit www.taitradio.com

CUSTOMER PROFILE

The Australian Department of Defence is made up of 51,000 permanent full-time military members in the Navy, Army and Air Force; 22,000 Active Reserve or part-time military members; and 16,000 civilian staff.

APPLICATIONS

- ▶ TaitNet Quasi-Sync system
- ▶ Customized solution

BUSINESS BENEFITS

- ▶ Compatible with existing defence radio equipment
- ▶ Wide area coverage
- ▶ Reliable, clear communications
- ▶ Low maintenance
- ▶ Advanced computer technology greatly reducing servicing

PRODUCTS USED

- ▶ Tait Quasi-Sync system
- ▶ Tait base stations
- ▶ Tait mobile radios
- ▶ Tait portable radios



Tait is a global leader in designing, delivering and managing innovative communication solutions that help utilities and public safety organizations to keep the lights on and communities safe.

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