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Royal Australian Air Force: Tactical Air Defence Radar System (TADRS) Communication Upgrade Project Implements FREQUENTIS End-to-End IP Secure Communication Systems

The Royal Australian Air Force, Ground Telecommunications Equipment System Program Office (GTESPO) awarded the contract to deliver the TADRS Communication Upgrade Project to Lockheed Martin Australia in 2014. Frequentis was chosen as the supplier for the secure voice communication - classified and unclassified radio and internal/external call-answer and hotline intercommunications as an end-to-end IP-based system.

The Frequentis communication system includes seven iSecCOM systems, the certified RED/BLACK, end-to-end IP-based Frequentis voice communication system (VCS). The central element of the solution is the capability to provide voice communication services for two separated security domains from a consolidated controller working position. The Frequentis iSAS achieved international Common Criteria (CC) EAL4+ certification (and recognition by the Australian Signals Directorate) and is the core element for separating the RED and BLACK domains. The iSecCOM product has the smallest, lightest footprint available and is particularly suited for transportable defence systems.

TADRS is a deployable platform that can conduct radar surveillance, track incoming targets and direct aircrafts to intercept them. This system incorporates Lockheed Martin's AN/TPS-77 radar and its ancillary sub-systems into the four mobile platforms connected to the Eastern Region Operations Centre, the Northern Region Operations Centre and the Mobile Region Operations Centre.

Lockheed Martin Australia undertook several studies to consider the range of options associated with the refresh of the VCS. In conducting these studies, Lockheed Martin Australia and the RAAF sought to select a preferred supplier for the provision of the VCS as part of the TADRS communication upgrade. Frequentis was the successful tenderer since it provides the most capable end-to-end IP-communication system in the mission-critical market.

Peter Skiczuk, Director Frequentis Defence, underlines the importance of this project: “This success not only reflects our long history of technology and innovation leadership, but also the commitment to embracing cooperative partnerships with clients and our determination to deliver state-of-the-art, highly reliable systems that fulfil specific customer needs.”

Andrew van de Ven, Program Manager at Lockheed Martin Australia, states: “The collaboration between the project teams is seamless and we are very happy with the performance of Frequentis and the quality of the iSecCOM product.”

About FREQUENTIS

Frequentis is an international supplier of communication and information systems for control centres with safety-critical tasks. These control centre solutions are developed and distributed by Frequentis in the business segments Air Traffic Management (civil and military air traffic control, and air defence) and Public Safety & Transport (police, fire and rescue services, emergency medical services, vessel traffic and railways). Frequentis maintains a worldwide network of subsidiaries and local representatives in more than 50 countries. The company's products and solutions are behind more than 25,000 operator positions in over 120 countries. With this extensive portfolio, Frequentis is the leading provider of voice communication systems ... all making our world a safer place every day!

Frequentis Australasia Pty Ltd was established in 2004 in Brisbane as a wholly owned subsidiary of Frequentis AG. Frequentis Australasia delivers and supports communication and information management projects for air traffic management, defence and public transport organisations throughout Australia, New Zealand, Papua New Guinea and the South Pacific Islands.

For more information, please visit www.frequentis.com

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