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PRESS RELEASE

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Selex ES to supply its TETRA mobile radio system for the Roy Hill Iron Ore project in Australia

Selex ES, a Finmeccanica company, will supply its TETRA mobile radio system to Ansaldo STS, main contractor of the “Roy Hill Iron Ore Project - Signalling and Communications Systems” in Australia.

In the Pilbara region of Western Australia, Roy Hill is leading the development of integrated iron ore mining, rail and port operations. Within this project, Ansaldo STS, another Finmeccanica company, is responsible for the integrated communication-based signaling solution for the safe and efficient management of the automated heavy-haul train operations between port and mine.

The TETRA system supplied by Selex ES is an efficient and cost competitive “one-network solution”. It offers a wide range of services including communications between the trains and the Operations and Control Centre (OCC), the train drivers and all other railway personnel involved in daily operational and maintenance activities.

The system, which includes a network infrastructure, radio terminals and value-added applications, is based on the AdaptaNet solution - the Selex ES IP implementation of the ETSI TETRA standard. It provides essential core network services for integrated voice and data communications as well as a comprehensive range of supplementary and enhanced services. The system consists of a duplicated core network implementing "disaster recovery" architecture, high-performance Base Stations that provide improved radio coverage and Wireless Network Node (WiNN) Mobile V2 platform as train’s mobile radio and controller.

The entire system is based on a switchless and scalable architecture with centralised call control capability. It fully addresses the requirements of the Roy Hill project thanks to the flexible and modular design, high level of resilience, advanced dispatching functions for effective fleet management and the comprehensive interfacing capabilities.