Press Office
Ph. +39 06 32473313
Fax +39 06 32657170

Investor Relations & SRI
Ph. +39 06 32473066
ir@leonardocompany.com

leonardocompany.com
pressoffice@leonardocompany.com

PRESS RELEASE

Leonardo-Finmeccanica to help Japan Ground Self Defense Force distinguish friend from foe with new Mode 5 IFF system

- **The IFF (Identification Friend or Foe) system will provide radar operators with the ability to distinguish between allied forces and potential threats, helping avoid 'friendly fire'**
- **A leader in IFF technology, Leonardo-Finmeccanica provides such equipment for major platforms worldwide including the Eurofighter Typhoon and Saab Gripen E**
- **Leonardo-Finmeccanica will be the first non-US company to provide a Mode 5 IFF solution for a radar program to the Japan Ministry of Defense**

Farnborough, 12 July 2016 – Leonardo-Finmeccanica will provide the latest Identification Friend or Foe (IFF) technology for Japan Ground Self Defense Force (JGSDF). The deal, signed with a Japanese prime contractor, will see Leonardo supplying its SIT-422/5J interrogator for the JGSDF.

An IFF system allows troops to distinguish between 'friendly' vehicles and potential threats by sending out an interrogation signal and verifying the responses received. In this context, Japan's radars will be used to monitor the skies for aircraft and will use Leonardo's SIT-422/5J to send out the 'interrogation' signal to see if the targets are affiliated forces or possible foes. Leonardo is a global leader in IFF, providing equipment for a number of ground and air-based platforms including the new Saab Gripen E jet, which carries the company's Mode-5 technology. Most recently, Leonardo demonstrated a new Mode 5 'Reverse-IFF' capability with Italian Typhoon jets, allowing the aircraft to conduct air-to-ground IFF scanning.

The company will partner with a prime contractor in Japan to deliver the technology and will provide the necessary support to enable in-country service-level maintenance of the equipment.

SIT-422/5J is latest-generation technology developed for IFF and, as such, includes all modern modes and complies with the latest international standards. It includes a Selective Identification Feature (SIF), Mode C, Mode S, Mode 4 and the new Mode 5. Mode 5 is the most advanced military-only identification mode, which modifies and addresses known shortcomings of the legacy Mode 4 systems.

Notably, the SIT-422/5J interrogator system is based on 'external crypto appliqué technology', meaning that the crypto element of the system (which provides secure encryption of the IFF signal) is a separate unit that can be removed and securely stored as needed. This makes the system compliant with DoD-AIMS 04-900A option B.

Note

Following the process of the reorganisation of the **Leonardo-Finmeccanica** Group's companies, it should be noted that from January 1st 2016: the "Helicopters" division has absorbed the activities of AgustaWestland; the "Aircraft" division has absorbed part of the activities of Alenia Aermacchi; the "Aero-structures" division has absorbed part of the activities of Alenia Aermacchi; the "Airborne & Space Systems" division has absorbed part of the activities of Selex ES; the "Land & Naval Defence Electronics" division has absorbed part of the activities of Selex ES; the "Security & Information Systems" division has absorbed part of the activities of Selex ES; the "Defence Systems" division has absorbed the activities of OTO Melara and WASS.