THE SPANISH MINISTER OF DEFENSE VISITS INDRA'S NEW CHINOOK CH-47F SIMULATOR, EUROPE'S FIRST FOR THE NEW VERSION OF THIS HELICOPTER

- **Margarita Robles, and the Secretary of State for Defense, Amparo Valcarce, accompanied by the Executive Chairman of Indra Group, Ángel Escribano, have visited the Helicopter Simulation Center of the Army Aviation Academy, where the new Indra simulator is already installed**
- **Equipped with state-of-the-art technologies, It's the first one to be manufactured in Europe for the Chinook CH-47F, the modernized version of one of the most powerful helicopters**
- **Indra and the Army are committed to networked training, with simulators connected via different bases to enable the pilots to prepare for joint missions with the utmost realism**

Madrid, April 8, 2025.- The Spanish Minister of Defense, Margarita Robles, and the Secretary of State for Defense, Amparo Valcarce, accompanied by military authorities and the Executive Chairman of Indra Group, Ángel Escribano, have visited the Helicopter Simulation Center (CESIHEL) of the Army Aviation Academy (ACAVIET), where they visited the Chinook CH-47F helicopter simulator developed by Indra, the first one manufactured in Europe for this version of the aircraft.

The visit took place as part of the delivery of the last unit of the Chinook CH-47F, the modernized version of this helicopter, at the Colmenar Viejo base of the FAMET.

The Army Aviation Academy (ACAVIET) Helicopter Simulation Center (CESIHEL), located at the Colmenar Viejo base, is now training the pilots of Transport Helicopter Battalion V (BHELTRA V) with the Chinook CH-47F helicopter simulator developed by Indra, the first one manufactured in Europe for this version of the aircraft.

This full mission simulator (FMS) rounds off the integrated training system to prepare the BHELTRA V personnel, which, together with the flight training device (FTD) and the computer-based trainer (CBT) previously delivered by the company, covers all of the phases of the personnel training on the platform.

The advantages of the synthetic training include savings of up to 40% of the actual flight hours required to ensure the preparation, instruction and advanced tactical coaching of the crews.

Helicopters are increasingly complex and advanced platforms, which means that pilots require several years of training to acquire the level necessary to conduct a real operation. In this regard, the simulators play a key role in providing the Spanish Armed Forces with the operability they require, as the number of helicopters that can be used during any given mission is determined by the number of available pilots with the required level of training.

In turn, this training increases flight safety and reduces operating and maintenance costs, in terms of upkeep, fuel consumption, material wear and tear and ammunition use.

To develop the simulator, Indra followed the design strategy used in other systems delivered to the Army, using the same avionics equipment as that carried by the aircraft. The above guarantees absolute fidelity during the training and ensures that the future evolutions of the simulators are in keeping with those of the aircraft themselves.

Indra has also employed a HLA standard-based networked simulation architecture, permitting joint tactical training for a mission via several simulators, in such a way that pilots located at different bases flying with other platforms (Tiger, Cougar, EC135 and NH90) can share the scenario in which the joint training is to be conducted.

The system also features a 4LED technology-based projection system that introduces a fourth infra-red light channel to enable the pilots to train for their flights using their own night-vision goggles (NVG), providing improved visual quality. The realism is complemented by the high-definition modeling of terrains, cities and settings, allowing the pilots to familiarize themselves with the environment they will carry out their mission in before they even reach their destination.

"The modernization of the Simulation System of the Chinook helicopter constitutes a further step in the work that the Army and Indra have performed for decades to turn the CESIHEL into one of the most advanced simulation centers in Europe. Spain has opted for joint tactical training consisting of the pilots not only preparing

to fly their aircraft, but also completing their missions with the utmost efficiency, coordinating with the rest of the deployed force", explained José María Tapia, Head of Simulation Programs at Indra.

The Chinook is one of the most powerful transport helicopters in the world, with a 10-ton loading capacity and it can transport dozens of soldiers. This exceptional performance has led numerous countries to invest in its modernization with the aim of extending its service life beyond 2040, given that it's a key element during material and personnel transport, resupplies, rescues and deployments.

About Indra

Indra is a leading Spanish multinational and one of the foremost global defence, air traffic and space companies that, through technology, protects our current way of life and anticipates the needs of the future. Its committed team of experts, its in-depth knowledge of the business and the latest technologies, and its unique innovation and systems integration capabilities make it the trusted technology partner for key operations and digitalization for its customers around the world. Thanks to its leadership in major European programs and projects, as well as its spirit of collaboration and partnership strategy, it drives the industrial and innovative ecosystem in these sectors. Indra is an Indra Group company which, in the 2024 fiscal year, achieved revenue totaling €4,843 billion, with a local presence in 49 countries and business operations in over 140.

Communication Contact

Antonio Tovar
atovar@indra.es
+34 683 667 916