DFS, NATS and AENA take a step forward in the EUROPEAN INTEROPERABILITY

Indra was selected by DFS, NATS and AENA to develop the Flight Object Concept. The FDP-IOP project is a common industrialization for ATM systems that implements an initial version of interoperability based on the Flight Object concept as described in the Eurocae ED-133 "Flight Object Interoperability Specification". This initial step is to support coordination and transfer functions between all control centers involved in the flight management process.

DFS, NATS and AENA, three of the most important ANSPs in Europe, show again their confidence in Indra. The Flight Object concept consists of a single record for each flight with all necessary information for its management. This record is continuously updated and shared by all actors that are involved in the flight management process, so that all of them immediately know the information on real-time. Therefore, it ensures that all actors have a unique vision of the flight and simplifies the flight information transfer between control centers. It means a substantial progress towards a collaborative decision making system for air traffic operations.

THE ITEC PROJECT PROGRESSES WITH THE INDUSTRIALIZATION OF THE ATM INTEROPERABILITY BASED ON THE FLIGHT OBJECT CONCEPT
A key concept of the Flight Object is to achieve the necessary interoperability between systems based on the standard ED-133 and, for this purpose, the final phase of the project involves an integrated iTEC/Coflight Factory Acceptance Testing activity.

**Indra was selected for this project by DFS, NATS and AENA**, three of the most important ANSPs in the European framework, and forms part of the European project assigned to the A6 by the Innovation and Networks Executive Agency (INEA), formerly called Trans-European Transport Network Executive Agency (TEN-T).

It is considered as a first step towards the future operational deployment of the Flight Object concept, as well as, in the short-term, an essential input for new challenges like the Very Large Demonstrations planned by SESAR.

It is important to remark the presence of Maastricht in the validation exercise V22 of SESAR, using a prototype developed by Indra. This issue can be considered as a first milestone of the Flight Object concept in a prototype level.

**Indra**

Indra is a leading company of Air Traffic Management (ATM) systems. With over 90 years of experience, it has completed more than 3,000 installations in more than 140 countries and it is one of the leaders of the R&D SESAR program for Eurocontrol, which defines the future requirements for Air Traffic Management.