

INDRA AND AENA SET TO OPTIMISE AIRCRAFT TURNAROUND AT EUROPEAN AIRPORTS

- **The tests are part of SESAR and its task to modernise Europe's skies**
- **The exercise sought to improve boarding-related procedures for reduced mobility passengers and luggage management to synchronise them with flight management**
- **The results will enable airports to maximise their use of resources and help airlines reduce turnaround time. Passengers will benefit in terms of greater punctuality and comfort**

Madrid, March 19, 2018.- As part of the European SESAR 2020 programme, Indra and AENA have conducted a validation test at the Palma de Mallorca Airport to optimise aircraft stopovers and enhance the efficiency and comfort of airports across the entire continent.

This test was an exercise integrating and synchronising flight management with the work processes related to managing luggage and the boarding of reduced-mobility passengers. This exercise afforded ground personnel with information on the decisions taken by controllers and airlines to better coordinate their tasks with them.

Indra's Airport Operations Plan (AOP) tool INPLAN processed combined data from the different systems to integrate all these tasks. The plan thus simplified the management of airport operations, including aircraft turnaround and luggage and passenger synchronisation processes.

Merging all this information affords a unified vantage point to oversee operations, rendering a capability to not only detect potential problems in advance but also schedule tasks to simplify boarding and de-boarding with the greatest precision possible.

By doing so, aircraft will spend less time on the ground and airlines thus gain in terms of greater fleet availability. The airport in turn gets maximum performance from its resources and can absorb more traffic, thus yielding greater earnings. Passengers also benefit from enhanced punctuality and comfort, contributing to improving the airplane's merits as a more competitive means of transport compared to the available alternatives.

This validation test is a continuation of the tests that Indra and Aena have already undertaken at this airport to integrate the global passenger process (check-in, security, passport control, boarding) with aircraft management (runway assignment, landing and takeoff authorisations, fuelling services, etc.). In doing so, they have succeeded in coordinating the traditionally separate ground-based and air-based tasks.

The results of the tests will be used as a basis to design new work processes and harness the potential of next-generation technologies. This knowledge will be expressed in terms of requirements and standards governing the aviation industry throughout Europe and set the pace for the future of air navigation. Once the programme concludes in 2019, the improvements will be ready for deployment next decade for the progressive adoption by airports worldwide as they modernize facilities to become more competitive.

The project is funded within the framework of SESAR 2020, the research and innovation tasked with modernising Europe's skies. The programme is run by the SESAR Joint Undertaking (SESAR JU), a public-private partnership which combines the knowledge and resources of the entire ATM community with a view to defining, researching, developing and validating innovative technology and operational solutions.

SESAR JU also executes the European ATM Master Plan, which sets the EU's R&D and implementation priorities. Founded by the European Union and Eurocontrol, SESAR JU comprises 19 members, who together with partners and affiliated associations, represent over 100 companies working inside and outside Europe. SESAR JU also works closely with personnel, associations, regulators, airport operators and the scientific community.

As a partner since its creation back in 2009, Indra is one of the most influential companies in this programme.

About Indra

Indra is one of the world's top technology and consulting companies and a technology partner for the key operations of its clients' businesses worldwide. It is a leading worldwide provider of proprietary solutions in niche areas in the Transport and Defense Markets and the absolute leader in IT in Spain and Latin America. It offers a comprehensive range of proprietary solutions and cutting edge services with a high added value in technology based on a unique culture of reliability, flexibility and adaptability to the needs of its customers. Indra is a world leader in the development of end-to-end technology solutions in fields such as Defense and Security, Transport and Traffic, Energy and Industry, Telecommunications and Media, Financial Services, Electoral Processes, and Public Administrations and Healthcare. Minsait is Indra's digital transformation business unit. In 2017 Indra posted a revenue of €3,011m, employed 40,000 professionals, and had a local presence in 46 countries plus sales operations in more than 140 countries.