SHAPING EUROPE'S ATM

a6
Alliance

A STRONG NETWORK

The A6 Alliance is an inclusive coalition of ANSPs from across Europe who are committed to helping modernise the European ATM system. The aim of the A6 Alliance is **to identify and synchronise the key capabilities** of its members, and deploy them to best effect to deliver customer and network benefits. The A6 Alliance also provides leadership at a European level in critical technical and strategic areas.

The A6 Alliance pushes forward the SES ATM Research Programme (SESAR) started by the EU-Commission in 2006. The A6 Alliance is part of the **SESAR Joint Undertaking,** which focuses on research and development as well as of the **SESAR Deployment Manager,** which focuses on the deployment of common SESAR solutions.

The A6 Alliance was **founded in 2011** by the six ANSP members of the SJU – DFS, DSNA, ENAIRE, ENAV, NATS and NORACON, a consortium including Austro Control, AVINOR, EANS, Finavia, IAA, LFV and Naviair.

Today the **A6 Alliance** includes PANSA (full member), the COOPANS Alliance (for work associated with Deployment Manager and SESAR 2020) and the B4 consortium members (for work associated with SESAR 2020). NORACON left the A6 Alliance at the end of SESAR 1. A collaboration agreement about SESAR 2020 R&D activities has been concluded with Skyguide.
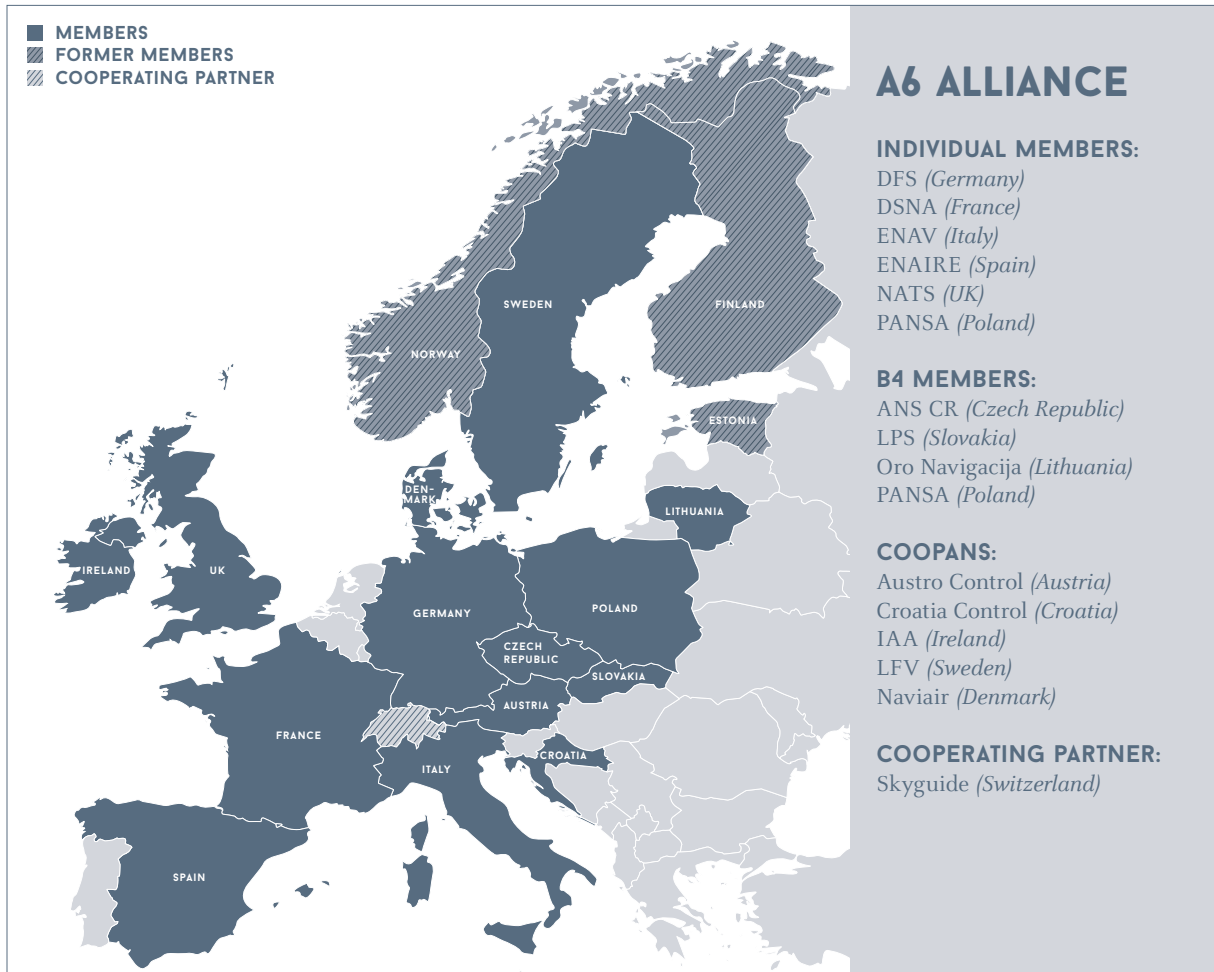
The members of the A6 Alliance control **more than 80 % of EU air traffic.** They are responsible for more than 70 % of the investment in the future air traffic management infrastructure.

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BOOSTING EUROPEAN AVIATION THROUGH INNOVATION

The A6 Alliance continues to play **a leading role** in the realisation **of SESAR.**

Within SESAR 1, the A6 Alliance participated in more than 200 R&D projects. A6 Alliance members have managed six work packages, 120 projects and more than 180 validation exercises. The A6 Alliance has contributed about EUR 200 million to SESAR R&D so far.

To develop the next generation of European Air Traffic Management, the A6 Alliance is playing a leading role in the **SESAR 2020 Programme.** The A6 Alliance participates in all 25 projects, and will ensure the completion of 46 (operational) new SESAR solutions. Eight of the projects are led by A6 Alliance members.

■ MEMBERS
▨ FORMER MEMBERS
▨ COOPERATING PARTNER

A6 ALLIANCE

INDIVIDUAL MEMBERS:
DFS *(Germany)*
DSNA *(France)*
ENAV *(Italy)*
ENAIRE *(Spain)*
NATS *(UK)*
PANSA *(Poland)*

B4 MEMBERS:
ANS CR *(Czech Republic)*
LPS *(Slovakia)*
Oro Navigacija *(Lithuania)*
PANSA *(Poland)*

COOPANS:
Austro Control *(Austria)*
Croatia Control *(Croatia)*
IAA *(Ireland)*
LFV *(Sweden)*
Naviair *(Denmark)*

COOPERATING PARTNER:
Skyguide *(Switzerland)*

LARGE A6 INVESTMENTS FUEL SESAR DEPLOYMENT

The A6 Alliance led the ANSP contribution to the first SESAR development phase by validating the SESAR solutions. Since the launch of SESAR, very significant results have been achieved. Some solutions are in need of coordinated and synchronised deployment and are part of the Common Projects with the first set of solutions being the Pilot Common Project (PCP). A total investment of more than EUR 1 billion for implementation has already been secured as part of the 2014 and 2015 Connecting Europe Facilities (CEF) funding calls. A6 members are delivering the largest part of European ATM investments. Currently they are focusing on four main implementation projects (families) of the PCP:
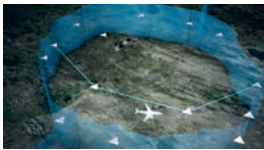

Family 1.1.2 – AMAN upgrade to include Extended Horizon function
Extending the AMAN horizon from 100–120 nautical miles, to 180–200 nautical miles from the arrival airport, giving flight crew more time to optimise their flight profiles.

Family 2.2.1 – A-SMGCS Level 1 and 2
Advanced Surface Movement Guidance and Control System (A-SMGCS) provides aerodrome surveillance as well as planning, routing and guidance for the control of aircraft and vehicles in order to maintain the declared surface movement rate under all weather conditions while maintaining the required level of safety.

Family 3.2.1 – Upgrade of ATM Systems (NM, ANSPs, AUs) to support Direct Routings (DCTs) and Free Route Airspace (FRA)
Free Route Airspace allows for the most efficient flight trajectory / path reducing fuel burn, CO_2 emissions and overall cost. In order to implement Free Route, ANSPs will need to upgrade their ATM Systems.

Governance for SWIM and Data Link Services
The implementation of SWIM (System Wide Information Management) and a performant DLS (Data Link Services) infrastructure and service requires an appropriate and industry-driven governance structure and framework. The SESAR Deployment Manager (SDM) takes on a leading role in establishing such a framework and the A6 Alliance contributes to the activities of the SDM.

MORE INFORMATION
www.a6alliance.net