

Groupes de travail du programme SESAR

Le plan directeur du programme SESAR de modernisation de la gestion de la navigation aérienne (ATM) comprend 16 groupes de travail.

Operational activities

- [WP 4 En-Route Operations](#)

The scope of the En-Route Operations Work Package is to provide the operational concept description for the En-Route Operations and perform its validation.

- [WP 5 Terminal Operations](#)

The scope of WP5 is to manage, co-ordinate and perform all activities required to define and validate the ATM Target Concept (i.e. Concept of Operations and System Architecture) for the arrival and departure phases of flight.

- [WP 6 Airport Operations](#)

The scope of the Airport Operations Work Package is the refinement and validation of the concept definition, as well as the preparation and coordination of its operational validation process.

- [WP 7 Network Operations](#)

The scope of WP 7 covers the evolution of services in the business development and planning phases to prepare and support trajectory-based operations including airspace management, collaborative flight planning and Network Operations Plan (NOP).

- [WP E SESAR Long Term and Innovative Research](#)

Work package E addresses long-term and innovative research. WP-E doesn't have a fixed work programme but solicits proposals from the research community for the formation of networks of expertise and for project work.

System development activities

- [WP 10 En-Route & Approach ATC Systems](#)

WP 10 designs, specifies and validates the En-route & TMA ATC Systems evolutions for enhancing Trajectory Management, Separation Modes, Controller Tools, Safety Nets, Airspace Management supporting functions and tools, Queue Management and Route optimisation features.

- [WP 11 Flight and Wing Operations Centres / Meteorological Services](#)

WP 11 deals with the development of the Flight and Wing Operations Centres as required to support the implementation of the ATM Master Plan objectives. It also addresses the provision and utilisation of Meteorological Information services, needed to support the performance requirements of the future ATM system.

- [WP 12 Airport Systems](#)

WP 12 encompasses all Research & Development activities to define, design, specify and validate the Airport Systems needed to support the SESAR ATM target concept.

- [WP 13 Network Information Management System](#)

WP 13 covers the System and Technical R&D tasks related to the Network Information Management System (NIMS), the Advanced Airspace Management System (AAMS) and the Aeronautical Information management System (AIMS).

- [WP 15 Non-Avionic CNS System](#)

WP 15 (Non Avionic CNS System) addresses CNS technologies development and validation also considering their compatibility with the Military and General Aviation user needs.

- [WP 9 Aircraft Systems](#)

The scope of WP9 covers the required evolutions of the aircraft platform, in particular to progressively introduce 4D trajectory management functions (3 spatial dimensions plus time) in mainline, regional and business aircraft.

System Wide Information Management

- [SWIM - Connecting the ATM world](#)

The concept of SWIM – System Wide Information Management - covers a complete change in paradigm of how information is managed along its full lifecycle and across the whole European ATM system.

- [WP 14 SWIM Technical Architecture](#)

The SWIM Work Package is the follow-up of the SWIM SUIT FP6 Commission. It will use as an input the SWIM-SUIT deliverables and aligns them with the SESAR Work Programme components.

- [WP 8 Information Management](#)

The scope of the WP 8 - Information Management is to develop SWIM (System Wide Information Management), the "Intranet for ATM".

Transverse activities

- [WP 16 R&D Transversal Areas](#)

The scope of this WP covers the improvements needed to adapt the Transversal Area (TA) (safety, security, environment, contingency and human performance) management system practices to SESAR as well as towards an integrated management system.

- [WP 3 Validation Infrastructure Adaptation and Integration](#)

WP3 involves all relevant European ATM stakeholders to benefit from existing expertise, tools and validation platforms to make available a reference validation and verification infrastructure to be used during the SESAR Development phase.

- [WP B Target Concept and Architecture Maintenance](#)

WP B, as transverse work package, provides strategic and conceptual guidance for the entire work programme including all threads (operational, technical and SWIM) to ensure the consistent development of SESAR improvements.

- [WP C Master Plan Maintenance](#)

The scope of the Master Plan Maintenance Work Package is to administrate the up-to-date maintenance of the ATM Master Plan to monitor the progress of development and of implementation.