

"ITEC SKYNEX TOWARDS THE NEW SERVICE DELIVERY MODEL"

iSNAP project delivers a robust baseline across its five technical areas enabling to advance towards a fully deployable next-generation ATC platform, particularly supporting the implementation of the New Service Delivery Model.



iSNAP



ITEC SKYNEX ATC PLATFORM



iSNAP SESAR Project



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ABOUT iSNAP

Technological evolution of iTEC platform as a clear lever for the Digital European Sky.

Further stage towards decoupling ATM service provision from the infrastructure.

One step beyond in airspace delegation concept, consolidating Virtual Centre D-architecture.

TRL6 achieved

TECHNOLOGICAL FOUNDATIONS FOR NEXT-GENERATION ATC PLATFORM

- Technical feasibility of the proposed architectural and technological evolutions has been successfully proved.
- Integration of all areas in the same platform.
- Clear lever for the platform evolution to support the virtual centre concept.
- Reduction of costs and improved scalability, leading to the Cost Efficiency enhancement.
- Vital enabler for achieving decoupling of ATM service provision from the local infrastructure.



D-ARCHITECTURE SUPPORTING DELEGATION OF ATM SERVICES PROVISION AMONGST ATSUS RESULTS

Successful real-time simulation, assessing multiple use cases defined:

- Night-time delegation between Madrid (LECM) and Barcelona (LECB) centres
- Fixed-time delegation with medium traffic complexity
- On-demand delegation under high traffic conditions.
- Contingency delegation, transferring control from Barcelona back to Madrid.
- Abort delegation, testing safe handling of incomplete delegation scenarios.

All scenarios were successfully executed, validating the feasibility of delegating ATM services provision between adjacent ATSUs using the D-Architecture framework.

ISNAP CONSORTIUM



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