

## LARA – NM B2B connection via NewPENS

On 4th of November 2020, the Spanish Air Navigation Service Provider, ENAIRE migrated its LARA - NM B2B connection from the public internet to the NewPENS network. The connection has been tested both from the ACCs in Madrid and Barcelona. Since then, all Airspace Use Plans and its updates (AUP/UUP) from Spain are using the NewPENS network.

Both EUROCONTROL and ENAIRE have issued press releases, which you can find linked here:<https://aviaciondigital.com/naire-pionero-en-europa-en-integracion-de-datos-b2b-con-eurocontrol-usando-newpens/>

[https://www.naire.es/es\\_ES/2020\\_11\\_19/ndp\\_naire\\_tecnologia\\_newpens](https://www.naire.es/es_ES/2020_11_19/ndp_naire_tecnologia_newpens)

<https://www.eurocontrol.int/news/naire-transmit-key-aeronautical-information-using-eurocontrol-newpens-b2b>

## Future potential of using NewPENS for LARA

The use of NewPens is an important step forward for LARA and its user community: It enables to run LARA on secure ATM networks and using NM B2B services while staying completely isolated from the internet.

LARA offers to the capability to connect directly to the ATC System and providing real-time airspace status on the controller working position. To connect to the online ATC network, while at the same time using NM B2B services over the internet, was a serious obstacle for users to fully implement LARA. With the availability of NewPENS for NM B2B services, the connection to the internet can be avoided and LARA can run securely on ATM networks.

Another key feature of LARA that will greatly benefit from the use of NewPENS is the Foreign Cluster connection. As most ANSPs will have access to NewPENS and the LARA Servers are often hosted as part of the ANSPs technical infrastructure, the connection between LARA Clusters including a connection to the NM Military Liaison Officer (MLO) is finally in reach. This will enable true Collaborative Decision Making reaching from the local level to the network through sharing of ASM information and utilizing coordination facilities built into LARA.

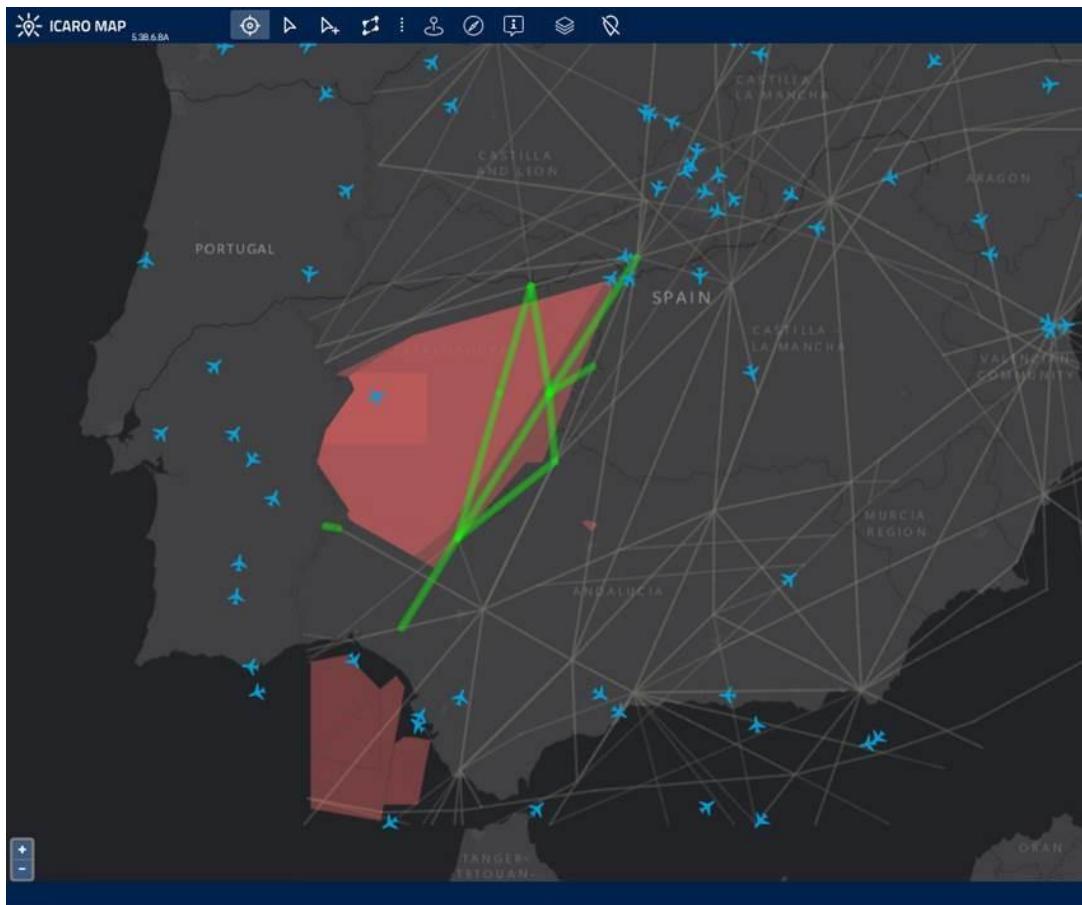
EDQ – the Service that provides up-to-date airspace structures to LARA users - is also available on NewPENS, which will offer additional possibilities for the synchronization of LARA systems connected to NewPENS.

## ICARO MAP – LARA data integration

ENAIRO remains very pro-active in further automating and integrating airspace management information, not only with NM but also other systems. LARA data was integrated in the ICARO system. ICARO is a centralised system that manages aeronautical, meteorological and flight plan information to provide users with a single point of access to aeronautical information.

The ICARO system (Integrated COM/AIS/AIP & Reporting Office Automated System) also automates tasks and procedures for the management of Notices to Airmen (NOTAM) at the Spanish NOF Office (NOTAM Office).

On the 14th of October 2020, ENAIRO staff have conducted an ICARO MAP demonstration showing LARA data integration to the ENAIRO Board of Directors. All participants confirmed the potential and benefit of further integration in the future.



ICAO Map display displaying data from LARA and other sources

ICARO MAP currently integrates data from AIS, NOTAMs, AUPs, MET, surveillance, sectorization, ATFCM, and more. Additional data and functionalities are still to be added. More information can be found on:

[https://www.enaire.es/services/atm/air\\_traffic\\_management\\_systems\\_atm/icaro](https://www.enaire.es/services/atm/air_traffic_management_systems_atm/icaro)