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# 'Sherlock' Overview

EUROCONTROL Network Manager  
User Forum 2025

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# What is 'SHERLOCK' ?



*"A real-time capable,  
big-data cloud-based  
browser user interface"*



## Monitoring Performance, Safety & Security: how well is 'our' & 'your' CNS Function working ?

Sherlock provides a CNS Function 'knowledge centre'

Generating high-quality data on SUR messages

Localised observations on ground & air CNS systems,  
especially on areas where things are not that good

Highly holistic data views: now-time & historic

Obtain focused insights at flight & aircraft level

Zoom deep into details at flight trajectory level

Observe trends & receive technical notifications



# Sherlock Deliverables Over Time

## BASELINE

Baseline architecture  
All critical big-data tables  
First NM B2B service  
Most:

- Applications
- Components

User management  
Email alerting service

2024

## GOING LIVE

Remaining baseline apps & components  
External user access:

- Private (per profile)
- Public views

More functions, e.g.:

- Multi-lateration
- NM B2B services

Entering maintenance:

- Bug fixing
- Improvements

2025

## EVOLUTION:

Additional external user access to applications & data

Widened data scope, for instance :

- Growing EMIT network (incl. airports), Aireon data fusion
- ANSP SUR data: tracker, radar, WAM (private storage area)
- CPDLC network & application data

Additional services & functions, for instance:

- Interrogator Code conflict detection
- SUR performance analysis service
- Tightened real-time operations: from 30 to 5 seconds
- Additional Eurocontrol internal applications

Continued maintenance & architectural evolutions

2026

2027

2028



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# Thank you!

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