



# COM13 — Air Traffic Services (ATS) datalink using SatCom Class B

Communication services in terms of datalink systems and services are required in support of i4D and Aeronautical information data sharing.

The Iris Precursor service establishes the necessary communication infrastructure to support interoperable Oceanic and Continental i4D operations. The Iris Precursor service deploys an aviation communications service based on the existing Inmarsat SwiftBroadband (SBB) service. This would augment existing VHF Datalink (VDL) capability in Europe to improve current Link2000+ and planned I4D ATS datalink services delivery through increased reliability and capacity, and help establish satellite communications as a key component in the future ATM communications landscape.

*NOTE FOR MILITARY AUTHORITIES: It is the responsibility of each military authority to review this Objective IN ITS ENTIRETY and address each of the SLoAs that the military authority considers RELEVANT for itself. This has to be done on top and above of the review of "MIL" SLoAs which identify actions EXCLUSIVE to military authorities.*

<b>Edition</b>	2022
<b>Stakeholders</b>	Regulator / Air Navigation Service Provider / Airspace Users
<b>Type</b>	SESAR
<b>Scope</b>	Local
<b>Status</b>	Active

## Context

### Related Elements



## Applicability Area(s) and Timescales

**Applicability Area:** (Subject to local need)

Timescales	From	By	Applicable to
IOC used for Analytics functioning only - not for implementation planning	01-07-2022	-	
FOC used for Analytics functioning only - not for implementation planning	-	31-12-2030	

## Links to ATM Master Plan Level 2

### Operational Improvement Steps

Code	Title	IOC	FOC	Related Elements
<a href="#">POI-0018-COM</a>	<a href="#">SatCOM Class B for ATM</a>	19-10-2022	31-12-2026	

## **SOL** Links to SESAR Solutions

Code	Title	Program	Related Elements
No record found			

## **PCP** Links to PCP ATM Sub-Functionalities

Code	Title	Related Elements
No record found		

**ICAO** ICAO Block Modules: No associated data

## References

### Applicable legislation

None

### Applicable ICAO Annexes and other references

None

### Deployment Programme 2022

-

### Operating Environments

-

## Expected Performance Benefits

<b>Safety</b>	Improvements through enabling initial i4D operations.
<b>Capacity</b>	-
<b>Operational efficiency</b>	-
<b>Cost efficiency</b>	Improvements through enabling initial i4D operations.
<b>Environment</b>	-
<b>Security</b>	-

## Stakeholder Lines of Action

Code	Title	From	By	Related Enablers
REG01	Approve compliance with safety requirements			
ASP01	Install and operate commercial SATCOM systems			
ASP02	Safety Assessment			
USE01	Upgrade Aircraft avionics			

## Supporting Material

Title	Related SLoAs
EUROCAE - ED-242B - MASPS for AMS(R)S Data and Voice Communications supporting RCP and RSP 03/2020 <a href="https://eshop.eurocae.net/eurocae-documents-and-reports/ed-242b/">https://eshop.eurocae.net/eurocae-documents-and-reports/ed-242b/</a>	ASP01, ASP02, REG01, USE01
EUROCAE - ED-243B - Minimum Operational Performance Standards for Avionics Supporting Next Generation Satellite Systems (NGSS) 03/2020 <a href="https://eshop.eurocae.net/eurocae-documents-and-reports/ed-243b/">https://eshop.eurocae.net/eurocae-documents-and-reports/ed-243b/</a>	ASP01, ASP02, REG01, USE01
ICAO - Annex 10 - Aeronautical Telecommunications <a href="http://store1.icao.int/">http://store1.icao.int/</a>	ASP01, ASP02, REG01
ICAO - Doc 9896 - Manual for the ATN using IPS Standards and Protocols - Edition 2.0 / 2015 <a href="https://store1.icao.int/">https://store1.icao.int/</a>	ASP01, ASP02, REG01
ICAO - Doc 9925 - ICAO Manual for Class B (Inmarsat SBB and IRIDIUM Next) <a href="https://store.icao.int/">https://store.icao.int/</a>	ASP01, ASP02, REG01

## Consultation & Approval

<b>Working Arrangement in charge</b>	-
<b>Outline description approved in</b>	-
<b>Latest objective review at expert level</b>	-
<b>Commitment Decision Body</b>	Provisional Council (PC)
<b>Objective approved/endorsed in</b>	-
<b>Latest change to objective approved/endorsed in</b>	-