OBJ 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.

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

Context

Related Elements

OBJ
COM13

OI
POI-0018-COM

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IOC used for Analytics functioning only - not for implementation planning	01-07-2022	-	
FOC used for Analytics functioning only - not for implementation planning	-	31-12-2030	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

OI Operational Improvment Steps

Code	Title	IOC	FOC	Related Elements
POI-0018-COM	SatCOM Class B for ATM	19-10-2022	31-12-2026	SOL EN DS

Source: European ATM Portal - **Report produced:** 21-03-2023 - **Date refresh:** 19-03-2023
EATMA data version: EATMA V12.1 - **ATM Master Plan data set version:** Dataset 19 Public - **MP L3 Edition:** MP L3 Plan 2022

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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

Safety	Improvements through enabling initial i4D operations.
Capacity	-
Operational efficiency	-
Cost efficiency	Improvements through enabling initial i4D operations.
Environment	-
Security	-

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			

Source: European ATM Portal - **Report produced:** 21-03-2023 - **Date refresh:** 19-03-2023
EATMA data version: EATMA V12.1 - **ATM Master Plan data set version:** Dataset 19 Public - **MP L3 Edition:** MP L3 Plan 2022
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Supporting Material

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

Consultation & Approval

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