

Deployment Scenario Title	Aircraft as an AIM/MET sensor and consumer
Deployment Scenario Description	Aircraft as an AIM/MET sensor and consumer: this Solution addresses the application of information made available by the aircraft (e.g. aircraft meteorological data, information derived from ADS-C, CNS status information) and improved use of MET and AIM information by airspace users. It makes it possible to increase AUs' situational awareness and improve strategic trajectory management and collaborative decision-making.
Essential Operational Change	Digital AIM and MET Services
Maturity	In development phase: Key R&D Activities

Applicable Operating Environment			
Airport	Terminal Airspace	En-Route	Network

Timeline																						
2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	

Performance Contribution of the DS				
Capacity	Safety	Environment	Cost-efficiency	Operational efficiency

Stakeholders affected (at least one enabler to be deployed)						
ANSP		AO		AU		Network Manager
Civil	Military	Civil	Military	Civil	Military	
				Scheduled, BA Fixed, BA Rotorcraft	Transport	

SESAR Solutions			
Solution Code	Solution Title	Solution Description	Related Elements
PJ.14-W2-110	Aircraft as an AIM/MET sensor and consumer	This Key R&D activity addresses the application of information made available by the aircraft...	PJ DS EOC
PJ.18-04c	MET and AIM information services in the aircraft information domain	The potential on-board use of advanced AIM and MET information services will improve situation...	PJ OI DS EOC

Operational Improvement Steps			
OI Step Code	OI Step Title	OI Step Description	Related Elements
POI-0010-MET	MET data as SWIM services (Purple Profile) for on-board usage	Dedicated MET information (observations, nowcasts and forecasts) will be available by MET systems...	SOL EN DS

Enablers						
Required/ Optional	New/ Inherited	Develop/ Use	Enabler Code	Enabler Title	Enabler Description	Related Elements
🔒			A/C-57a	Management of MET, and AIM and other operational Information for use in aircraft control domain	The on-board acquisition, processing and distribution of MET, and AIM and other operational...	