

Deployment Scenario Title	Trajectory prediction service
Deployment Scenario Description	In the long term, the aim is to develop A-PNT systems capable of providing better performance in comparison with the short-term solution (based on DME-DME) and supporting PBN / required navigation performance (RNP) operations using alternative technologies in the event of a GNSS degradation or outage.
Essential Operational Change	Trajectory Based Operations
Maturity	Additional R&D Activities in development

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	

SESAR Solutions			
Solution Code	Solution Title	Solution Description	Related Elements
PJ.15-08	Trajectory Prediction Service	The Trajectory Prediction Service aims at computing and distributing an accurate and consistent...	SOL PJ OI DS EOC
PJ.18-W2-88	Trajectory Prediction Service	This R&D activity solution is a technical service conceived as being provided to Europeans...	PJ DS EOC

Operational Improvement Steps			
OI Step Code	OI Step Title	OI Step Description	Related Elements
SDM-0403	Trajectory Prediction Common Service (Business Improvement)	The concept of Common Services (COSER) aims at addressing the high costs caused by European ATM...	SOL OI DS

Enablers						
Required/Optional	New/Inherited	Develop/Use	Enabler Code	Enabler Title	Enabler Description	Related Elements
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