

Deployment Scenario Title	Alternative position, navigation and timing (A-PNT)- short term
Deployment Scenario Description	Alternative position, navigation and timing (A-PNT): in the short term, this provides fallback capabilities in the event of GNSS unavailability, using an optimised DME navigation aids infrastructure as a backup.
Essential Operational Change	CNS Infrastructure and Services
Maturity	In development phase: Key Solutions Approaching Maturity

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
					Deployment																
								Benefit													

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.14-03-04	RNP 1 reversion based on DME/DME	This solution provides fallback capabilities in case of GNSS unavailability. In short term, this...	SOL PJ OI DS EOC

Operational Improvement Steps			
OI Step Code	OI Step Title	OI Step Description	Related Elements
POI-0032-NAV	Increase Performance Based Navigation robustness (Short-Term Solution)	Increase robustness of PBN applications through reversion to DME/DME navigation in case GNSS...	SOL DS

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