Deployment Scenario Title	Improved vertical profiles through enhanced vertical clearances
Deployment Scenario Description	Improved vertical profiles through enhanced vertical clearances: the objective is to develop automation support for ATCOs to issue vertical constraints that help achieve more efficient flight profiles while ensuring separation provision. In the first step, for flights still in climb, enhanced predictions of vertical profile data are presented to ATCOs to facilitate decision-making. In a second, more advanced step, the ATC system will generate proposals for conflict-free clearances that take anticipated aircraft performance into account, and which can be uplinked to the flight crews by ATCOs.
Essential Operational Change	Trajectory Based Operations
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	

SESAR Solutions			
Solution Code	Solution Title	Solution Description	Related Elements
PJ.18-W2-56	Improved vertical profiles through enhanced vertical clearances	The objective of this key R&D activity is to develop an automation support for ATCOs to issue...	PJ DS EOC

Operational Improvement Steps			
OI Step Code	OI Step Title	OI Step Description	Related Elements
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Enablers						
Required/ Optional	New/ Inherited	Develop/ Use	Enabler Code	Enabler Title	Enabler Description	Related Elements
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