

Deployment Scenario Title	MTCD and conformance monitoring tool
Deployment Scenario Description	-
Essential Operational Change	Trajectory Based Operations
Maturity	Additional SESAR Solutions in deployment

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	
TWR, APP, ENR, CNS	TWR, CNS					

SESAR Solutions			
Solution Code	Solution Title	Solution Description	Related Elements
#27	MTCD and conformance monitoring tools	Provide an aid to the Tactical Controller and the associated Conformance Monitoring (DFS...	

Operational Improvement Steps			
OI Step Code	OI Step Title	OI Step Description	Related Elements
CM-0205	Advanced support for Conflict Detection and Resolution by Tactical Controller in En Route	The system provides real-time assistance to the En route Tactical controllers in conflict...	
CM-0207-A	Advanced Automated Ground Based Flight Conformance Monitoring in En-Route	The system provides the En-Route controller with warnings if aircraft deviate from the calculated...	

Enablers						
Required/ Optional	New/ Inherited	Develop/ Use	Enabler Code	Enabler Title	Enabler Description	Related Elements
🔒			CTE-S01a	SSR Mode A/C/S	Independent Cooperative Surveillance using Secondary Surveillance Radar, including mode A/C and ...	STK OI EN DS ⚙️
🔒			CTE-S03b	ADS-B station for RAD and APT surveillance	ADS-B station for provision of Radar and Airport surveillance, compliant with EUROCAE ED129A and ...	STK OI EN OBJ DS ⚙️
🔒			ER ATC 91	ATC System Support for Advanced Conformance Monitoring in En-route Airspace	Enhance conformance monitoring approaches, associated algorithms and controller HMI functions to...	STK OI DS PCP
🔒			ER ATC 157	Enhanced ATC System Support to the Tactical Controller for Conflict Detection and Resolution in En-Route	Conflict Management is updated to integrate conflicts derived from multiple trajectory types in...	STK OI EN DS
🔒			PRO-046b	ATC Procedures for Using Advanced System Assistance to Medium Term Conflict Detection and Resolution	-	OI DS
➔			ER APP ATC 82	Enhance EN/APP ACC to use eFPL data	Modification of the EN APP ATC functions in order to use eFPL data for the trajectory prediction.	STK OI EN DS