






Deployment Scenario Title	Sector team operations - en-route air traffic organiser
Deployment Scenario Description	-
Essential Operational Change	Fully Dynamic and Optimised Airspace
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, APP, ENR, CNS					

SESAR Solutions			
Solution Code	Solution Title	Solution Description	Related Elements
#104	Sector Team Operations - En-route Air Traffic Organiser	The En-route Air Traffic Organiser (ERATO) operational concept relies on an electronic...	    

Operational Improvement Steps			
OI Step Code	OI Step Title	OI Step Description	Related Elements
CM-0201	Automated Assistance to Controller for Seamless Coordination, Transfer and Dialogue	The system permits controllers to conduct screen to screen coordination between adjacent ATSUs /...	     
CM-0202	Automated Assistance to ATC Planning for Preventing Conflicts in En-Route Airspace	The system assists the controller in conflict identification and planning tasks by providing...	    
CM-0203	Automated Flight Conformance Monitoring	The systems provides the controller with warnings if aircraft deviate from a clearance or plan,...	    
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...	      

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-S03	ADS-B Receiving Station	ADS-B Receiving station for the provision of NRA, RAD and APT surveillance including Satellite...	STK OI EN DS ⚙️
🔒			CTE-S03a	ADS-B station for NRA surveillance	ADS-B station for provision of Non Radar Airspace Surveillance, compliant with EUROCAE ED-129...	STK OI EN DS ⚙️
🔒			CTE-S04	Multilateration ground System	Multilateration Ground system for the provision of En-route, TMA and Airport surveillance,...	STK OI DS ⚙️
🔒			CTE-S04a	Wide Area Multilateration (WAM)	Wide Area Multilateration technology for the provision of independent cooperative surveillance in...	STK OI EN DS ⚙️
🔒			CTE-S04b	Airport Multilateration (MLAT)	Multilateration technology for the provision of independent cooperative surveillance in Airports.	STK OI EN OBJ DS ⚙️
🔒			ER APP ATC 129	Upgrade FDP and provide Controller Tools to provide assistance to ATC Planning for Preventing Conflicts in En-Route Airspace	-	STK OI EN DS PCP
🔒			ER APP ATC 130	Upgrade FDP and provide Controller Tools to provide Controller with warnings if aircraft deviate from a clearance or plan	-	OI EN DS
🔒			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
🔒			PRO-048	ATC Procedures to implement screen to screen coordination for transfer of control conditions	ATC Procedures-screen to screen	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