

Deployment Scenario Title	RBT revision supported by datalink and increased automation
Deployment Scenario Description	RBT revision supported by datalink and increased automation: this aims to support a continuous increase in the amount and the usefulness of information shared between air and ground and in the level of automation support to controllers and pilots, for example through moves towards the automatic uplink of clearances with or without previous controller validation and towards increased use of auto-loading to the flight management system of uplinked clearances, as well as increased use of managed/automatic mode by the flight crew.
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	
ENR				Scheduled, BA Fixed, BA Rotorcraft	Transport, Fighter	

SESAR Solutions			
Solution Code	Solution Title	Solution Description	Related Elements
PJ.18-02a	Trajectory Based Operations (TBO)	PJ.18-02a will define, in coordination with other solution projects, procedures needed to...	PJ OI DS EOC
PJ.18-W2-57	RBT revision supported by datalink and increased automation	The key R&D activity aims at supporting a continuous increase in the amount and the...	PJ DS EOC

Operational Improvement Steps			
OI Step Code	OI Step Title	OI Step Description	Related Elements
SDM-0213	Enhanced A/G data exchanges for Trajectory Based Operations (TBO)	Trajectory Based operations through automated support and enhanced procedures for A/G data...	SOL DS
SDM-0214	Improved trajectory management based on enhanced G/G data sharing among ATC and Network Management.	Improved trajectory management including revision through improved procedures and automated...	SOL DS
SDM-0215	Enhanced ATC and airborne operation using datalink for Trajectory Based Operations (TBO)	Enhanced ATC and airborne operations for TBO, by providing 2D planning information in advance...	SOL EN DS

Enablers						
Required/Optional	New/Inherited	Develop/Use	Enabler Code	Enabler Title	Enabler Description	Related Elements
🔒			A/C-31a	Controller pilot data link communication (CPDLC) compliant with ATN baseline 2 (FANS 3/C)	Data link exchange for ATN/VDL2 baseline 2 (FANS 3/C) i.e. for Departure Clearance,...	STK OI EN DS 📄
🔒			A/C-37a	Downlink of trajectory data according to contract terms (ADS-C) compliant to ATN baseline 2 (FANS 3/C)	Downlink of trajectory data (waypoints or pseudo waypoints with associated constraints and/or...	STK OI EN 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
🔒			ER ATC 157b	Enhanced ATC System Support the Planning Activity for Conflict Detection and Resolution in En-Route	Conflict Management is updated to integrate conflicts derived from multiple trajectory types in...	STK OI DS