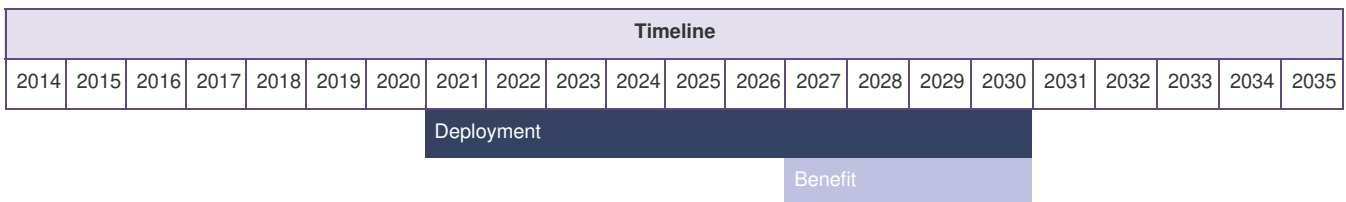



Deployment Scenario Title	eFPL supporting SBT transition to RBT
Deployment Scenario Description	eFPL supporting SBT transition to RBT: this solution will look at the distribution of eFPL information to ATC systems, and the possible improvements that could be made to the alignment of AU and NM trajectories, especially in relation to the use of precision trajectory clearances and standard instrument departure / standard arrival route allocation.
Essential Operational Change	Trajectory Based Operations
Maturity	In development phase: Key Solutions Approaching Maturity

Applicable Operating Environment			
Airport	Terminal Airspace	En-Route	Network



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	
APP, ENR				FOC		Network Manager

SESAR Solutions			
Solution Code	Solution Title	Solution Description	Related Elements
PJ.18-02c	eFPL Supporting SBT Transition to RBT	The transition from SBT to RBT is a key aspect of the SESAR Business trajectory concept...	

Operational Improvement Steps			
OI Step Code	OI Step Title	OI Step Description	Related Elements
AUO-0223	Harmonised and improved integration of airspace and ATC constraints/procedures in trajectories calculated by FOCs and NM	This OI contributes to the progressive alignment of the AU and NM calculated 4D trajectories in...	SOL EN DS ICAO
AUO-0225	Enhanced Target time management by the use of eFPL	The use of the eFPL- filed flight plan as defined by FF-ICE increment 1 will allow to align and...	SOL EN DS ICAO
AUO-0226	SBT/RBT: Exchange of eFPL with ATC	The eFPL (FF-ICE filed plan) information provided by AUs will be distributed to the ATC by NM...	SOL EN DS ICAO
AUO-0229	Harmonised and improved integration of AOP/NOP departure information in trajectories calculated by FOCs and NM	Alignment of the AU, NMF and airport views of 4D trajectories in planning phase and increase...	SOL EN DS

Enablers						
Required/Optional	New/Inherited	Develop/Use	Enabler Code	Enabler Title	Enabler Description	Related Elements
🔒			AOC-ATM-11	LOAs Integration in FOC trajectories	Modification of FOC functions to automatically integrate the updated ATC LOA status in pre-flight...	STK OI EN DS PCP
🔒			AOC-ATM-22	TT data integration in the FOC trajectory	Modification of the FOC functions in order to use Target Time (TT) data for the trajectory...	STK OI DS
🔒			AOC-ATM-23	SID/STAR and RunwayConfigurationPlan information integration in the FOC trajectory	Modification of FOC functions to automatically integrate the most up-to-date SID/STAR and runway...	STK 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
🔒			ER APP ATC 170	ATC LOA Status Update	Modification of ER APP ATC functions to modify the status of the LOAs in order to publish the...	STK OI DS
🔒			NIMS-21a	Initial Flight Planning management enhanced to support 4D for Step 1	Flight Planning management enhanced to process Extended Flight Plan including 4D trajectory as...	STK OI EN DS PCP
🔒			NIMS-21b	Flight Planning extended with eFPL Distribution service	Modification of the Regional ATFCM flight plan distribution service for eFPL via...	STK OI EN DS
🔒			NIMS-54	SID, STAR, TT, and Runway Configuration data applied in Initial Flight Plan Processing	Modification of the Regional ATFCM functions to apply the SID, STAR, TT and Runway Configuration...	STK OI DS
🔒			NIMS-55	Dynamic ATC LOAs Integration in NM trajectory	Modification of Regional ATFCM functions to automatically integrate ATC LOA status update.	STK OI DS
🔒			SVC-001	Modification of the TacticalUpdates service provided by Regional ATFCM to incorporate PTR status query and updates.	Modify the TacticalUpdates service provided by Regional ATFCM to have a new operation to update...	STK OI DS

Enablers						
Required/ Optional	New/ Inherited	Develop/ Use	Enabler Code	Enabler Title	Enabler Description	Related Elements
🔒			SVC-002	Extend the AirspaceStructure service to cover the PTR status	Modification of the AirspaceStructure service provided by Regional ATFCM to incorporate PTR...	STK OI DS
🔒			SVC-003	Enhance the existing NMFlightData service to publish and subscribe SID/STAR data	Modification of the NMFlightData service provided by Regional ATFCM to publish and subscribe...	STK OI DS
🔒			SWIM-APS-14	AOC AirspaceStructure service Profile Tuning Restriction (PTR) Status interface consumption by the FOC	Modifications to the FOC functions to consume AirspaceStructure service to obtain the Profile...	STK OI DS
🔒			SWIM-APS-15	TacticalUpdates service Profile Tuning Restriction (PTR) status update provision by the Regional ATFCM	Modifications to the Regional ATFCM functions to provide TacticalUpdates service to update the...	STK OI DS
🔒			SWIM-APS-16	ATC Letter of Agreement (LOA) Status publication via TacticalUpdates service by ER APP ACC	Modifications to the ER APP ACC functions to consume the TacticalUpdates service for the Profile...	STK OI DS
🔒			SWIM-APS-17	AOC Consume NMFlightData service FlightListByAO interface via P/S	Modifications to the FOC functions to consume NMFlightData service via publish/subscribe to...	STK OI DS
🔒			SWIM-APS-18	eFPL service consumption in ATC	Modification of the ER APP ATC functions in order to consume eFPL distribution service	STK OI DS