

Deployment Scenario Title	Surface operations by RPAS
Deployment Scenario Description	-
Essential Operational Change	Multimodal Mobility and integration of all Airspace Users
Maturity	Additional R&D Activities in development

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, SWIM, AIS, AMC	TWR, APP, ENR, AIS, SWIM, AMC	APT Operator	APT Operator	Scheduled, BA Fixed, GA, FOC,	WOC,	Network Manager

SESAR Solutions			
Solution Code	Solution Title	Solution Description	Related Elements
PJ.03a-09	Surface operations by RPAS	Surface operations by Remotely Piloted Aircraft Systems (RPAS) facilitate the operation of RPAS...	SOL PJ OI DS EOC

Operational Improvement Steps			
OI Step Code	OI Step Title	OI Step Description	Related Elements
AUO-0617	Enabling Integrated RPAS Surface Operations	Remotely Piloted Aircraft Systems (RPAS) that operate at airports are adequately integrated into...	SOL EN DS
SDM-0406	Aeronautical Digital Map Common Service (Business Improvement)	The concept of Common Services (COSER) aims at addressing the high costs caused by European ATM...	SOL OI EN DS

Enablers						
Required/ Optional	New/ Inherited	Develop/ Use	Enabler Code	Enabler Title	Enabler Description	Related Elements
🔒			AIMS-16	Electronic Terrain and Obstacle Data (TOD)	The purpose is to ensure the availability of electronic Terrain and Obstacle Data .	STK OI EN OBJ DS
🔒			AIMS-23	Enhanced digital data chain to ensure Aeronautical Information data provision to meet full 4D trajectory management requirements	Enhanced aeronautical information data provision chain enabling the provision of high quality...	STK OI DS
🔒			PRO-RPAS-0003	RPAS Contingency procedures	Contingency procedures to manage RPAS flights in case of loss of Command & Control C2 and/or...	OI DS
🔒			RPAS-0001	RPAS Detect And Avoid	On-board detection and resolution of loss of separation and collision hazards by using...	STK OI DS
🔒			RPAS-0002	RPAS Command, Control and Communications	Procedures using existing communication means (e.g. RF Voice, CPDLC, Satcom) for communication...	OI DS
🔒			SVC-039	Provision of cost-efficient Aeronautical Digital Maps using a Common Service	Aeronautical Digital Maps are provided using internet protocols or SWIM services allowing users...	STK OI DS