

<b>Deployment Scenario Title</b>	<b>IFR RPAS integration in airspace classes A to C</b>
<b>Deployment Scenario Description</b>	IFR RPAS integration into airspace classes A to C: the aim is to provide the technical capabilities and procedural means to allow IFR RPAS to comply with ATC instructions, and to develop new procedures and tools to allow ATC to handle IFR RPAS in a cooperative environment in full integration with manned aviation. This will also involve developing and validating an operational DAA system for IFR RPAS.
<b>Essential Operational Change</b>	Multimodal Mobility and integration of all Airspace Users
<b>Maturity</b>	In development phase: Key R&D Activities

<b>Applicable Operating Environment</b>			
<b>Airport</b>	<b>Terminal Airspace</b>	<b>En-Route</b>	<b>Network</b>

<b>Timeline</b>																						
2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	

<b>Performance Contribution of the DS</b>				
<b>Capacity</b>	<b>Safety</b>	<b>Environment</b>	<b>Cost-efficiency</b>	<b>Operational efficiency</b>

<b>Stakeholders affected (at least one enabler to be deployed)</b>						
<b>ANSP</b>		<b>AO</b>		<b>AU</b>		<b>Network Manager</b>
<b>Civil</b>	<b>Military</b>	<b>Civil</b>	<b>Military</b>	<b>Civil</b>	<b>Military</b>	

<b>SESAR Solutions</b>			
<b>Solution Code</b>	<b>Solution Title</b>	<b>Solution Description</b>	<b>Related Elements</b>
PJ.10-05	IFR RPAS Integration	IFR RPAS Integration provides the procedural and technological means to safely integrate RPAS...	<b>SOL</b> <b>PJ</b> <b>OI</b> <b>DS</b> <b>EOC</b>
PJ.13-W2-117	IFR RPAS integration in Airspace Class A to C	The key R&D activity aims at providing the technical capabilities and procedural means to...	<b>PJ</b> <b>DS</b> <b>EOC</b>

<b>Operational Improvement Steps</b>			
<b>OI Step Code</b>	<b>OI Step Title</b>	<b>OI Step Description</b>	<b>Related Elements</b>
AUO-0618	Enabling integrated RPAS IFR operations	Remotely Piloted Aircraft Systems (RPAS) that are to operate IFR operations in non segregated...	<b>SOL</b> <b>EN</b> <b>DS</b>

Enablers						
Required/ Optional	New/ Inherited	Develop/ Use	Enabler Code	Enabler Title	Enabler Description	Related Elements
🔒			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