



AUO-0618 — Enabling integrated RPAS IFR operations

Remotely Piloted Aircraft Systems (RPAS) that are to operate IFR operations in non segregated airspace, will have to integrate into an environment which is dominated by manned aviation. RPAS will have to comply with flight rules, airspace requirements/procedures and be interoperable with the CNS/ATM system

Rationale RPAS operations have to be compliant with aviation regulations, and their integration into the ATM system should not impact current airspace user operations and levels of safety. RPAS behavior should comply with the CNS requirements applicable to the class of airspace within which they are intended to operate. RPAS should also comply with evolutions in the ATM operational concepts currently being researched within SESAR (e.g. trajectory management) as they are deployed. Compared with manned aircraft, RPAS requires as Detect and Avoid (DAA) and the Command and plus a Control (C2) Link. RPAS have to fit into the ATM system, to enable safe integration. The vision behind this concept is that RPAS, when meeting all the technical and regulatory requirements, are to be treated like any other airspace user.

Forecast V3 end date -

Benefits start date (IOC) 31-12-2026

Full benefits date (FOC) 31-12-2032

Current Maturity Level -

Solution Data Quality Index -

Current Maturity Phase R&D

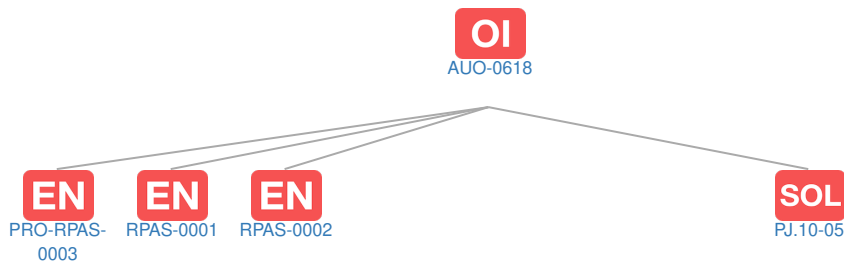
Scope -

Release -

PCP Status -

Context

Related Elements



EN Enablers

Code	Dates																																							
	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40														
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🔒 PRO-RPAS-0003									▲																															
🔒 RPAS-0001								▲				V4																												
🔒 RPAS-0002								▲																																

OI Dependent OI Steps: No associated data

SOL SESAR Solutions

Code	Title	Program	Related Elements
PJ.10-05	IFR RPAS Integration	SESAR 2020 Wave 1	SOL PJ OI DS EOC

PCP PCP Elements: No associated data

OBJ Implementation Objectives: No associated data

ICAO ICAO Block Modules: No associated data