

Deployment Scenario Title	Collision avoidance for IFR RPAS
Deployment Scenario Description	Collision avoidance for IFR RPAS: this activity will involve developing and operationally validating a DAA system for IFR RPAS, which consists of two functions: 'collision avoidance' and 'remain well clear'. These enable the remote pilot to contribute to ensuring that safety requirements are met by preventing collisions should normal separation provision fail. The 'remain well clear' function is designed to increase the remote pilot's situational awareness.
Essential Operational Change	Multimodal Mobility and integration of all Airspace Users
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	

SESAR Solutions			
Solution Code	Solution Title	Solution Description	Related Elements
PJ.11-A2	Airborne Collision Avoidance for Remotely Piloted Aircraft Systems - ACAS Xu	Airborne Collision Avoidance for Remotely Piloted Aircraft Systems - ACAS Xu provides airborne...	SOL PJ OI DS EOC ICAO
PJ.13-W2-111	Collision avoidance for IFR RPAS	The key R&D activity will develop and operationally validate a detect and avoid (DAA) system...	PJ DS EOC

Operational Improvement Steps			
OI Step Code	OI Step Title	OI Step Description	Related Elements
CM-0808-u	Collision Avoidance for Remotely Piloted Aircraft	Airborne Collision Avoidance for Remotely Piloted Aircraft (ACAS Xu and other Detect & Avoid...	SOL OI DS ICAO

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