

IDENTIFICATION AND DEVELOPMENT OF CNS-SUREILLANCE PROJECTS

Operational Requirements	CNS Services	Identified projects components	Identified Tasks	To be completed	New Task	ASBU PIA	ASBU Module
Increase situational awareness	ASS	Implementation of Surveillance systems	Implementation of SSR Mode S	x		3 3 3	B0 - ASUR B0 - SNET B0-ASEP
			Implementation of ADS-C	x		4	B0- TBO
			Implementation of ADS-B (Ground & Space)		x	3 3 3	B0-ASUR B0- SNET B0- OPFL B0-ASEP
			Implementation of MLAT/WAM		x	3 3	B0-ASUR B0-SNET B0-ASEP
Seamless aeronautical surveillance		Interconnection/ Interoperability of surveillance systems	Implement Surveillance Data Fusion (data sharing)		x	3 3 2 3	B0- ASUR B0- SNET B0- FICE B0-ASEP
		Establishment of Surveillance Requirements and Optimization Parameters	Implement Performance Based Surveillance (PBS) based on the Required Surveillance Performance (RSP)		x	3 3 3 3 4 3 3	B0-ASUR B0-SNET B0 - FICE B0 - OPFL B0 - TBO B0 - FRTO B0-ASEP

PIA	Module Description	Module	Category	Priority
PIA 2	Increased Interoperability, Efficiency and Capacity through Ground-Ground Integration	B0 – FICE	E	1
PIA 3	Initial capability for ground surveillance	B0 - ASUR	D	2
PIA 3	Improved access to Optimum Flight Levels through Climb/Descent Procedures using ADS-B	B0 – OPFL	S	2
PIA 3	Increased Effectiveness of Ground-Based Safety Nets	B0 – SNET	D	2
PIA 3	Improved Operations through Enhanced En-Route Trajectories	B0 – FRTO	E	1
PIA 4	Improved Safety and Efficiency through the initial application of Data Link En-Route	B0 - TBO	D	2

RSP: A set of requirements for air traffic provision \, aircraft capability and operations needed to support performance- based surveillance within a defined airspace.

PBCS: Performance Base Communication & Surveillance: Doc 9869

ASS: Aeronautical Surveillance Systems

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