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
