

Modernising
Air Traffic
Management
AS ONE



Supporting
European
Aviation



SUR Questionnaire

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EUROCONTROL / NMD/INF/CNS
October 17th, 2023
14:40 – 15:00



NETWORK
MANAGER



1. SUR Projects
2. SUR Sensors
3. EHS surveillance data (DAP/ADD)
4. ADS-B Integration
5. Separation Applications

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Activity Description Area / Airspace	System Description	Schedule
Area/Name Activity type: Relationship with other projects: Will this project lead to the decommissioning of legacy sensors (how many?): Objective: Airspace: Service:	System type: Number of sites: Provider: Coverage:	Sensor installation date: Operational date: ADS-B operational integration date (ATCO CWP) where applicable: Estimated End
Operational Improvements		
	Capacity	Operational-Efficiency
	Safety	Security
	Environment	Cost-Ef
Yes/no		
Description		
Reference to NOP, NOR (e.g. ACC, Airport)		
Year of start of benefits		
Organisation	Status (planned, ongoing, completed, cancelled)	Last modified: 01

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ADS-B use case and integration date	Operational date or planned ops date	Sites
ACC ATC integration ENR		
ACC ATC integration TMA		
ATC integration TWR CTR/TMA		
Flight Information Service		
ATCO Traffic Awareness		
Traffic planning e.g. Arrival Manager		
Conflict Alerting, e.g. STCA		
Airport surveillance e.g. Traffic awareness, Target identification support		
Other:		
Organisation	Last modified: 2022-01-01	Validation date: 2022-01-01

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Sensor Type	2022	2023	2024	2025	2026
Mode A/C	ENR/TMA				
	ENR only				
	TMA only				
CMB PSR Mode A/C	ENR/TMA				
	ENR only				
	TMA only				
Mode S	ENR/TMA				
	ENR only				
	TMA only				
CMB PSR Mode S	ENR/TMA				
	ENR only				
	TMA only				
PSR stand alone	ENR/TMA				
	ENR only				
	TMA only				
MLAT/WAM	Systems/Clusters				
	Sensors (Rx, Tx, Rx/Tx)				
ADS-B receivers (not part of MLAT/WAM)					
Space-based ADS-B					
Surface Movement Radar (SMR)					
Airport MLAT/LAM	Systems/Clusters				
	Sensors (Rx, Tx, Rx/Tx)				
ADS-B equipped Vehicles					
Organisation:				Last modified: 2022-01-01	Validation date: 2022-01-01

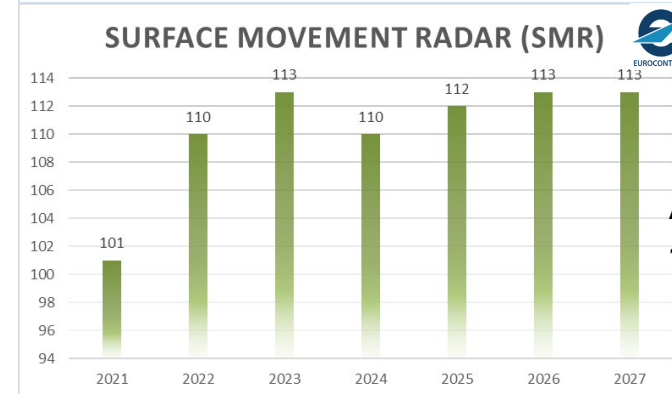
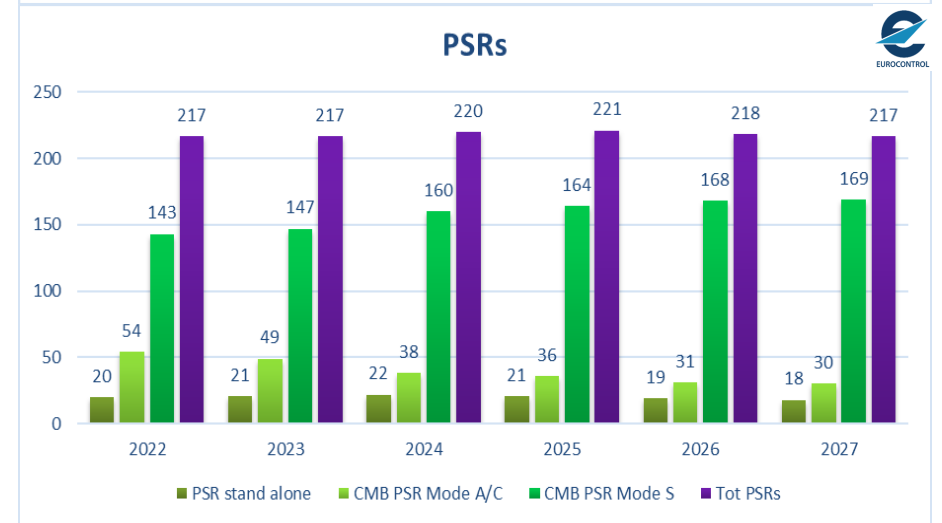
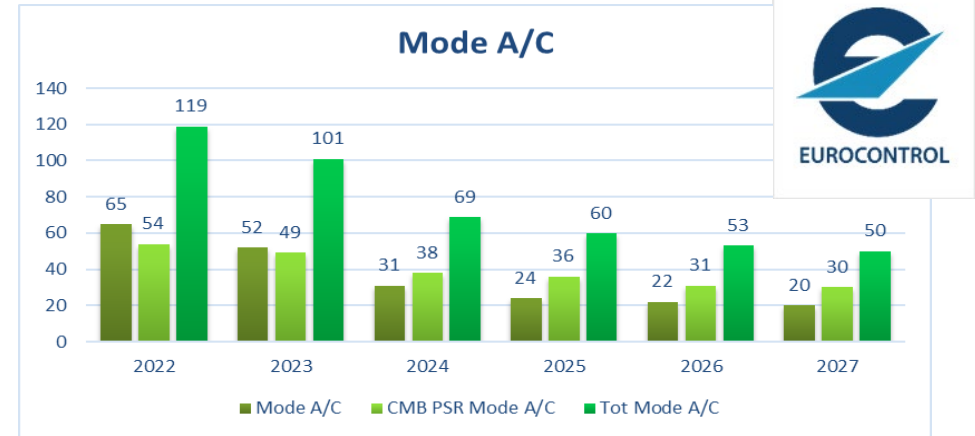
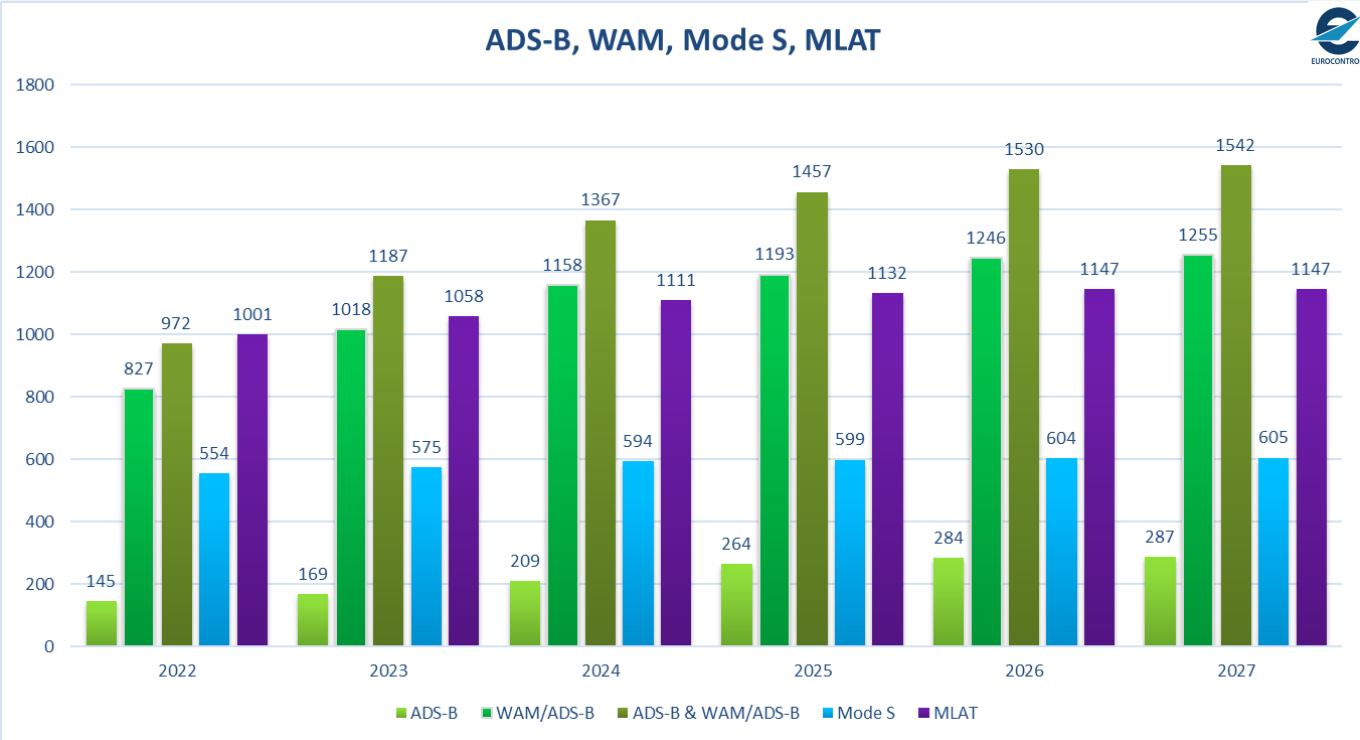
3

Usage of DAP/ADD			
ADD/DAP data item	Indicate if and how the data is used by ATCOs:	Indicate if and how the data is used by TOOLS:	Indicate if and how the data is used by the Tracker:
	- Status: - not used - Displayed for information - Operational procedure - Other (please indicate) - Operational or planned date - Source(s) (Mode S, ADS-B, WAM)	- Which tools - Status per tool (e.g. not used, operational, evaluation, other) - Operational date or planned date - Source(s) (Mode S, ADS-B, WAM)	- Status (e.g. not used, operational, evaluation, other) - Operational date or planned date - Source(s) (Mode S, ADS-B, WAM)
			Other
Selected Altitude			
Barometric pressure setting			
Roll angle			
True track angle			
Ground speed			
Track angle rate			
Magnetic heading			
Indicated airspeed			
Mach No			
Vertical rate (Baro, Inertial)			
True Airspeed			
Other data items			
Organisation		Last modified: 2022-01-01	Validation date: 2022-01-01

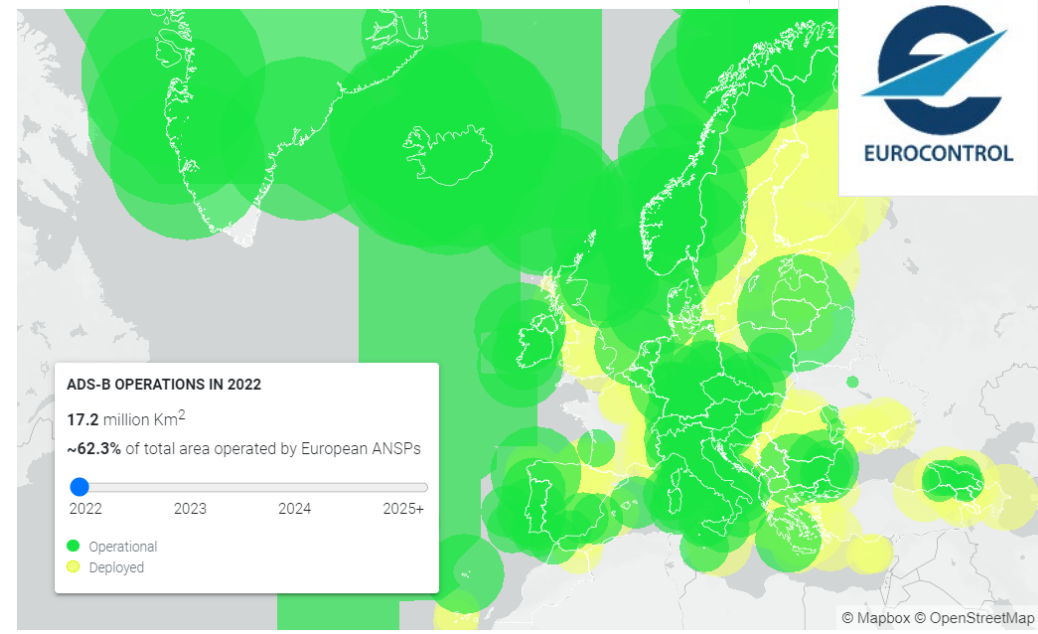
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Separation application	Start date (past or future)	Areas (which FIR, TMA, approach ...)	Comment
2 NM			
2.5 NM			
3 NM			
5 NM			
10 NM			
Other			
Organisation	Last modified: 2022-01-01		Validation date: 2022-01-01

- Providing stakeholders with a pan-European view of
- SUR infrastructure status and evolution
 - Operational use of SUR infrastructure and applications
 - Benefits and trends related to SUR evolution



ADS-B airport vehicles:
~3700 in 2025



- Spread knowledge on benefits and best practices
- Benchmark and compare

