

Annex V to RP4 performance plan

Deployment of Strategic Deployment Objectives (SDOs) set out in the ATM Master Plan

Strategic Deployment Objectives (SDOs)	Specific deployment action linked with the implementation of the SDO as defined in the ATM MP	Description of planned investment(s) related to the SDO including the relevant supporting SESAR solutions (if applicable)	Relevant investments (Ref. # as per section 2 of the performance plan)	RP4 determined costs related to the deployment of the SDOs (in nominal terms and in national currency)				
				2025	2026	2027	2028	2029
SDO #1 Alerts for reduction of collision risks on taxiways and runways								
			Total costs SDO - 1					
SDO #2 Optimising airport and TMA environmental footprint								
			Total costs SDO - 2					
SDO #3 Dynamic airspace configuration								
			Total costs SDO - 3					
SDO #4 Increased automation support	Implement automatic speech recognition (ASR), user profile management system (UPMS) and attention guidance (AG) to provide higher automation environment to support ATCOs role.	Upgrade of obsolescent system	ATM System Backup	-	-	353 804	737 435	659 269

			Total costs SDO - 7	1 465 410	1 711 994	2 251 815	2 395 964	3 644 798

SDO #8 Service-oriented delivery model (data driven and cloud based)								
			Total costs SDO - 8					

SDO #9 CNS optimisation, modernisation and resilience	Optimise surveillance.	Spectrum saving enhancement of ADS-B / MLAT coverage and replacement of Mode S stations	SUR Systems	1 951 223	2 067 635	3 007 301	4 024 105	6 933 348
	Implement minimum operational network (MON).	DME/DME coverage enhancement supporting deployment of PBN and MON concept	Navigation Systems	1 404 025	1 635 659	2 037 205	3 048 012	3 749 752
	Implement virtual centre to allow decoupling the ATM data service provider (ADSP) and air traffic service unit (ATSU) through service interfaces supporting new ways of dynamic ATS delegation (e.g. contingency delegation, night delegation (scheduled), fixed time delegation (scheduled), “on-demand”).	Voice communication switch system upgrade	Voice Communication System	1 181 036	2 874 445	2 490 789	3 577 758	2 810 847
	Rationalise ILS and implement efficiency measures / methods for a more cost-effective maintenance of ILS, providing link between ICAO Doc. 8071 and national CNS provision	Improvement of quality of the radio communication services by separation of the receivers from transmitters	Ancilliary Sites	-	-	1 903 118	1 915 363	1 755 688
	Rationalise ILS and implement efficiency measures / methods for a more cost-effective maintenance of ILS, providing link between ICAO Doc. 8071 and national CNS provision	Radio communication back-up systems upgrade	Radio Communication System	77 138	1 408 656	1 290 094	1 111 502	928 110
	Implement GBAS based on single frequency signals to support Cat II/III precision approach, landing, and departure procedures in all-weather operations conditions.	System upgrade	Instrument Flight Procedures Design System	-	49 368,00	55 539,00	150 161,00	151 189,50
			Total costs SDO - 9	4 613 422	8 035 763	10 784 046	13 826 901	16 328 934

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SDO #10 Enable innovative air mobility (IAM) & drone operations * Investments related to U-space in this SDO are outside the scope of the performance plan *								
Total costs SDO - 10								
Total RP4 determined capital related and operating costs for project related to the deployment of SDOs across charging zones for the concerned entity (in nominal terms and in national currency)				8 725 277	14 334 196	18 132 270	22 934 022	27 088 645