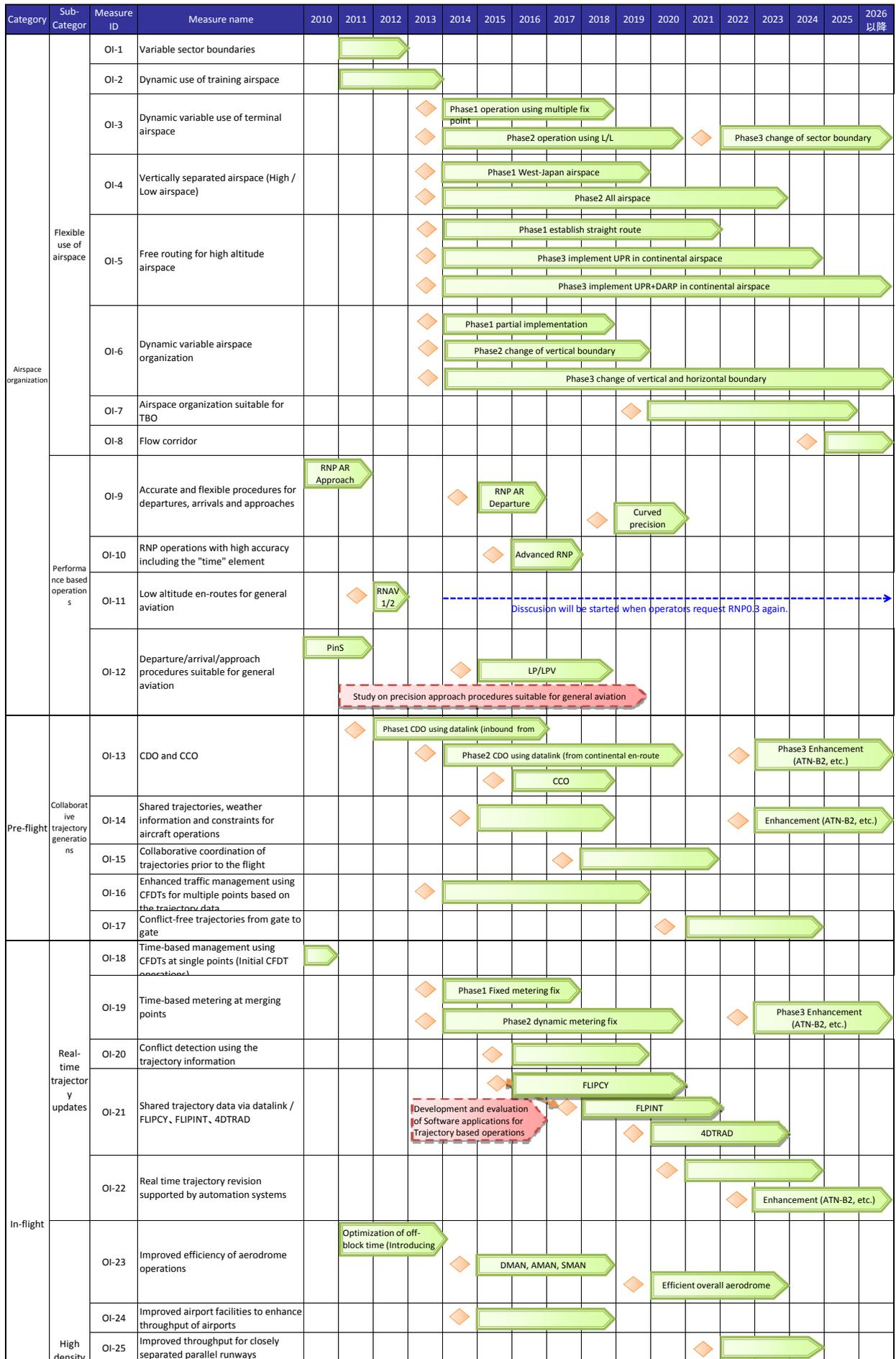


# CARATS Roadmap



Category	Sub-Category	Measure ID	Measure name	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026 以降	
	operations	OI-26	Reduced wake turbulence separation minima				◆	Phase 1, 2				◆	Phase 3								
		OI-27	Reduced separation minima for high density airspace (3NM for enroute)										◆	Reflected wind data to							
		OI-28	Reduced separation minima for oceanic airspace																		
In-flight	High density operations	OI-29-1	Improved capacity of ATC using datalink for routine communications / ATC clearance (airport) - DCL, D-TAXI				DCL Trial	Monitoring the International standardization status/R&Ds	◆				DCL (Revised)								
		OI-29-2	Improved capacity of ATC using datalink for routine communications / ATC clearance (enroute) - continental CPDLC						◆					D-TAXI (FANS-1/A+(POA/M2))							
		OI-29-3	Improved capacity of ATC using datalink for routine communications / Flight information services - D-ATIS, D-OTIS, D-RVR, D-HZWX					D-ATIS Trial	Monitoring the International standardization status/R&Ds	◆				D-ATIS (FANS-1/A+(POA/M2))							
		OI-30-1	Air-to-air surveillance (ASAS) / ATSA-ITP operations				R&Ds and evaluations on	◆					ATSA-ITP								
		OI-30-2	Air-to-air surveillance (ASAS) / ATSA-AIRB operations (1090ES)				R&Ds and evaluations	◆					ATSA-AIRB								
		OI-30-3	Air-to-air surveillance (ASAS) / ATSA-AIRB Operations (UAT/TIS-B)				R&Ds and evaluations on ATSA-AIRB(UAT)	◆						ATSA-AIRB(UAT)							
		OI-30-4	Air-to-air surveillance (ASAS) / ATSA-VSA operations				R&Ds and evaluations on	◆						ATSA-VSA							
		OI-30-5	Air-to-air surveillance (ASAS) / ASPA-IM operations																		
In-flight	Improved information services	OI-31	Enhanced information in the cockpit				Monitoring the International standardization status	◆				Weather information									
		OI-32	Improved information services for aircraft operators						◆				Terrain / obstacle								
Post-flight	Sharing and utilizing safety related information	OI-33	Sharing and utilizing safety related information				Implement SSP														