



A/C-54a — Enhanced Airborne Collision Avoidance (ACAS)

Enhanced Airborne Collision Avoidance System with reduced RA thresholds, use of ADS-B horizontal information, extended hybrid surveillance, improved compatibility of non-ACAS aircraft with ACAS aircraft, improved compatibility with US ACAS Xa.

Category SYSTEM

Stakeholder Airspace User

Civil

Civil Scheduled Aviation

Civil Business Aviation-Fixed Wing

Military

Military Transport

V3 End 11-12-2019

V4 Start 31-12-2023

V5 Start 31-12-2025

V4 End 31-12-2025

V5 End 31-12-2025

Airspace User: 31-12-2025

Civil

Civil Scheduled Aviation: 31-12-2025

Civil Business Aviation-Fixed Wing: 31-12-2025

Military

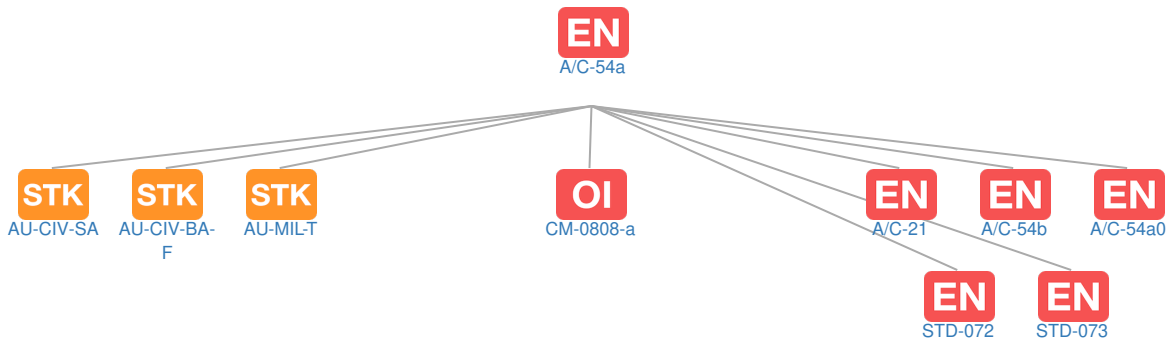
Military Transport: 31-12-2025

IOC 31-12-2025

FOC 31-12-2035

Context

Related Elements



OI Operational Improvement Steps

Code	Benefits start date (IOC) - Full benefit date (FOC)																																													
	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40																				
A/C-54a					▲					V4	IOC - FOC																																			
🔒 CM-0808-a																																														

EN Dependent Enablers

Relationship	Code	Title	Related Elements
Has predecessor	A/C-21	Coupling TCAS II RAs to the aircraft auto flight systems to enable accurate response to TCAS II RAs with display of cues for monitoring the avoidance manoeuvre	STK OI EN DS
Has successor	A/C-54b	ACAS adaptation to new separation modes	STK OI EN DS
Enabling	A/C-54a0	Extended Hybrid Surveillance	STK OI EN DS
Enabled by	STD-072	ACAS Interoperability	EN
Enabled by	STD-073	ACAS-Xa MOPS	EN

PCP PCP Elements: No associated data

STK Stakeholders

Code	Title	Related Elements
AU	Airspace User	EN
AU-CIV-BA-F	Civil Business Aviation-Fixed Wing	EN
AU-CIV-SA	Civil Scheduled Aviation	EN
AU-MIL-T	Military Transport	EN

Standards: No associated data

OBJ Implementation Objectives: No associated data

Stakeholder Lines of Action (SLoAs): No associated data

PJ SESAR Workpackages: No associated data