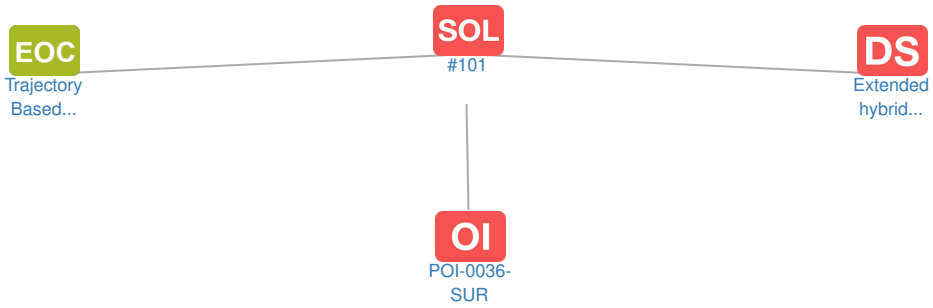
Solution #101 — Extended hybrid surveillance

The traffic alert and collision avoidance system (TCAS) is an airborne collision avoidance system designed to reduce the incidence of mid-air collisions between aircraft. Currently, TCAS II is dependent upon 1090 MHz replies that are elicited by 1030 MHz interrogations. These provide the pilot with information about the relative distance, bearing and aircraft altitude and are used to build active tracks. However, the process uses precious frequency bandwidth that is also needed for surveillance purposes.

Program	SESAR1
Need for coordination	-
Related to	-
Date V1 Gate	-
Date V2 Gate	-
Date V3 Gate	-
Deployment Start Date	31-12-2020
Benefits Start Date (IOC)	31-12-2020
Full Benefit Date (FOC)	31-12-2026

Context

Related Elements



Operating Environments: No associated data

Phases: No associated data

PJ SESAR Projects: No associated data

OI Operational Improvement Steps / Enablers

Code	Dates	Solution Data Quality Index : -																								
	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
#101							IOC - FOC																			
POI-0036-SUR																										
A/C-54a0					V4		IOC - FOC																			

PCP PCP Elements: No associated data

OBJ Implementation Objectives: No associated data

ICAO ICAO Block Modules: No associated data