



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

EOC

Trajectory
Based...

SOL

#101

DS

Extended
hybrid...

OI

POI-0036-
SUR

