



Solution #69 — Enhanced STCA with down-linked parameters

STCA (Short Term Conflict Alert) is a ground-based system designed and deployed to act as a safety net against collisions. The system, which can be used in both en-route and terminal manoeuvring areas (TMAs), generates an alert to warn air traffic controllers for when separation minima between aircraft have been infringed upon. The system makes use of down-linked aircraft parameters (DAP) available through Mode S EnHanced Surveillance (EHS) (i.e. Selected Flight Level, Roll angle/Track angle rate) are to increase the reliability and accuracy of the alerts.

Program SESAR1

Need for coordination Network

Related to -

Date V1 Gate -

Date V2 Gate -

Date V3 Gate -

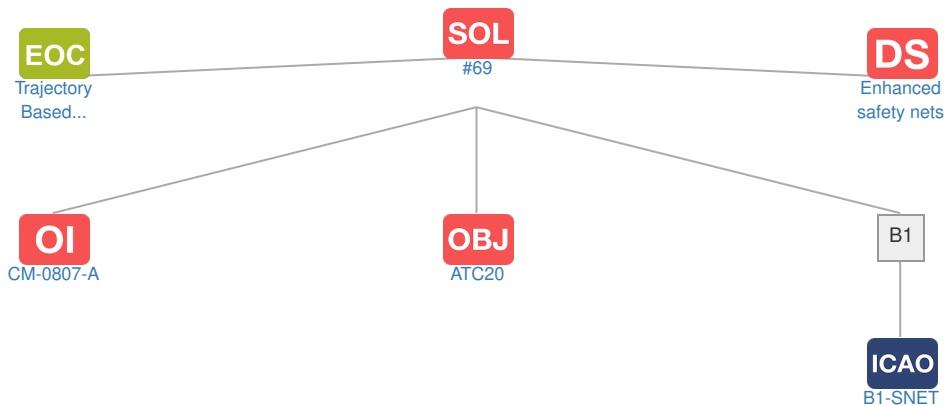
Deployment Start Date 31-12-2015

Benefits Start Date (IOC) 31-12-2015

Full Benefit Date (FOC) 31-12-2027

Context

Related Elements





Operating Environments: No associated data



Phases: No associated data



SESAR Projects: No associated data



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
#69		IOC - FOC																							
CM-0807-A																									
ER APP ATC 14	4	IOC - FOC																							



PCP Elements: No associated data



Implementation Objectives

Code	Title	Related Elements
ATC20	Enhanced STCA with down-linked parameters via Mode S EHS	



ICAO Block Modules

Designator	Title	Related Elements
B1		
B1-SNET	Ground-based Safety Nets on Approach	