



Solution #33 — Free Route through Free Routing for Flights both in cruise and vertically evolving above a specified Flight Level

Free routing is the ability of an airspace user to plan or re-plan a route according to user-defined segments. A User Defined Segment is a segment of great circle connecting any combination of two user defined or published waypoints.

Free Routing Airspace is an airspace defined laterally and vertically, allowing Free route with a set of entry/exit features. Within this airspace, flights remain subject to air traffic control.

Elements to determine the lower limit of FRA will be provided by the SESAR validations.

Program SESAR1

Need for coordination Network

Related to [Solution #46](#), [Solution PJ.01-01](#), [Solution PJ.01-02](#), [Solution PJ.06-01](#), [Solution PJ.06-02](#)

Date V1 Gate -

Date V2 Gate -

Date V3 Gate -

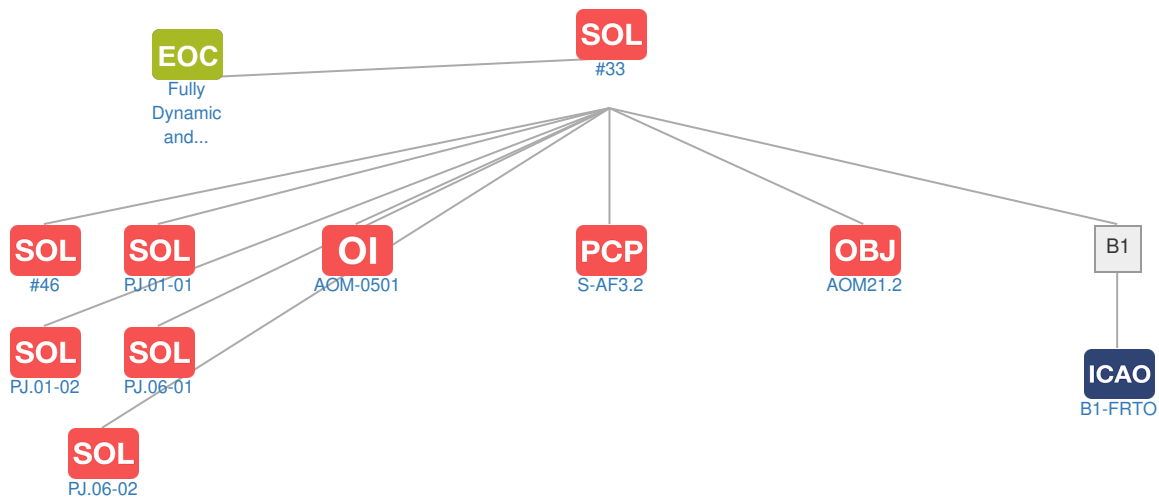
Deployment Start Date 31-12-2009

Benefits Start Date (IOC) 31-12-2020

Full Benefit Date (FOC) 01-10-2025

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	39	40				
#33																															
AOM-0501																															
 AAMS-06c	 V4  V5																														
 AAMS-09a																															
 AAMS-11																															
 AAMS-16a	 V4  V5																														
 AOC-ATM-10																															
 ER APP ATC 75																															
 ER APP ATC 77																															
 ER APP ATC 129																															
 ER ATC 91																															
 NIMS-21a	 V5																														
 NIMS-29																															
 NIMS-42	 V5																														
 PRO-085																															
 STD-033																															
 STD-061																															
 STD-062																															
 STD-063																															
 STD-064																															
 SWIM-APS-01a	 V4  V5																														
 SWIM-APS-02a	  V4  V5																														
 SWIM-APS-03a	  V4  V5																														
 SWIM-APS-04a	  V5																														
 A/C-04a																															
 A/C-31																															

→	ATC-STD-01		△																
→	ER APP ATC 160	▲		V4	V5	IOC - FOC													
→	ER ATC 94		▲	V4	V5	IOC - FOC													
→	ER ATC 157		▲																
→	METEO-05b	▲		V4	V5	IOC - FOC													
→	NIMS-37		V5			IOC - FOC													
→	REG-0012							△											
→	REG-0500		△																
→	REG-0517							△											
→	SWIM-APS-05a	▲		V4	V5	IOC - FOC													
→	SWIM-INFR-01a	▲	V4	V5				△											
→	SWIM-INFR-05a	▲		V4	V5	IOC - FOC													
→	SWIM-NET-01a			V4	V5	IOC - FOC													
→	SWIM-STD-01							△											
→	SWIM-STD-02		△																
→	SWIM-SUPT-01a																		
→	SWIM-SUPT-03a				▲				IOC - FOC										
→	SWIM-SUPT-05a		V5			IOC - FOC													

PCP Elements

Code

S-AF3.2

Title

Free Route

Related Elements

SOL OI EN OBJ
ICAO

OBJ Implementation Objectives

Code

AOM21.2

Title

Initial Free Route Airspace

Related Elements

SOL STK SOL OI
PCP ICAO

ICAO Block Modules

Designator

B1

Title

B1-FRTO Improved Operations through Optimized ATS Routing

Related Elements

SOL OI OBJ PCP

