



Solution #22 — Automated Assistance to Controller for Surface Movement Planning and Routing

Route Planning function of A-SMGCS that relies on an automatic taxi route generator which uses:

- Airport layout description
- Flight plan information (e.g. aircraft type, destination stand),
- Known operational constraints (e.g. closed taxiways) and CDM data (e.g. TSAT)

These routes are stored in the A-FDPS and can be displayed on the controller working position.

ATCO can graphically edit the routes, to match taxi clearances given to mobile.

For each taxi route, the Route Planning function computes an estimated taxi time (stored by A-FDPS)

Program SESAR1

Need for coordination Local

Related to [Solution PJ.03b-01](#), [Solution PJ.03b-03](#)

Date V1 Gate -

Date V2 Gate -

Date V3 Gate -

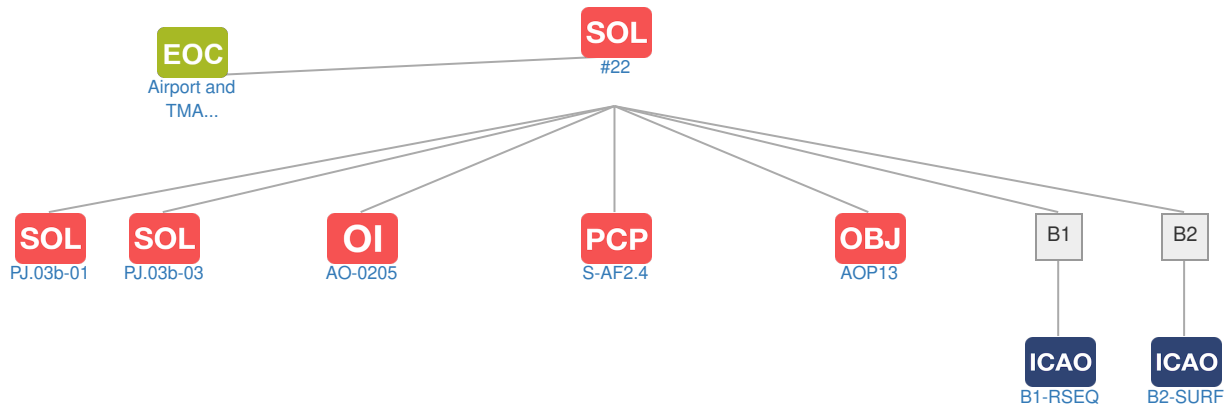
Deployment Start Date 31-12-2017

Benefits Start Date (IOC) 31-12-2021

Full Benefit Date (FOC) 31-12-2025

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	
#22																												
AO-0205																												
 AERODROME-ATC-12																												
 AERODROME-ATC-13																												
 AERODROME-ATC-50																												
 REG-0201																												
 REG-0513																												





PCP Elements

Code	Title	Related Elements
S-AF2.4	Automated Assistance to Controller for Surface Movement Planning and Routing	    

Implementation Objectives

Code	Title	Related Elements
AOP13	Automated Assistance to Controller for Surface Movement Planning and Routing	     

ICAO Block Modules

Designator	Title	Related Elements
B1		
B1-RSEQ	Improved Airport operations through Departure, Surface and Arrival Management	   
B2		
B2-SURF	Optimized Surface Routing and Safety Benefits (A-SMGCS Level 3-4 and SVS)	