IS-0303-A — Downlink of on-board 4D trajectory data to enhance ATM ground system performance: initial and time based implementation

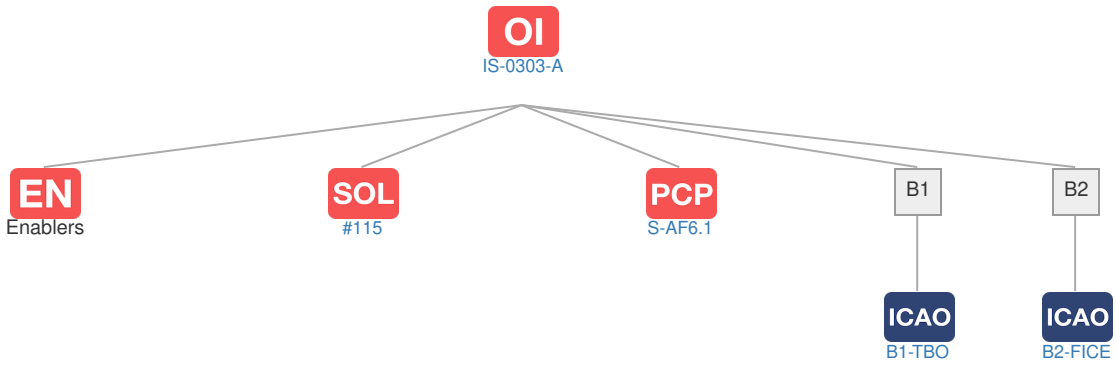
Continued improvement in the performance of ground-based systems, such as Trajectory Predictors, through the use of down-linked data taken from the aircraft's predicted trajectory. The following data will be downlinked:
1) Trajectory downlinks, provided in accordance with parameters specified by ATC, for update of the ground system data (through ADS-C EPP).
2) ETA Min/Max values (e.g. for ground calculation of a time constraint (CTO/CTA) that can be reliably achieved within the performance capabilities of the aircraft concerned, in the prevailing wind conditions, for the point concerned).

Rationale	-
Forecast V3 end date	-
Benefits start date (IOC)	31-12-2022
Full benefits date (FOC)	31-12-2027
Current Maturity Level	V2
Current Maturity Phase	R&D
Scope	Network
Release	R5
PCP Status	PCP

Solution Data Quality Index -

Context

Related Elements



EN Enablers

Code	Dates
	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
IS-0303-A	
A/C-33a	V4 IOC - FOC
A/C-37a	4 IOC - FOC
AGDLS-ATC-AC-1	
AGDLS-ATC-AC-11a	
AGDLS-ATC-AC-11c	
CTE-C02c	4 V5 IOC - FOC
ER APP ATC 100	V4 V5 IOC - FOC
ER APP ATC 119	V4 V5 IOC - FOC
ER APP ATC 149a	V4 V5 IOC - FOC
REG-0100	
STD-004	

OI Dependent OI Steps: No associated data

SOL SESAR Solutions

Code	Title	Program	Related Elements
#115	Extended Projected Profile (EPP) availability on ground	SESAR1	OI DS EOC PCP ICAO

PCP PCP Elements

Code	Title	Related Elements
S-AF6.1	Initial trajectory information sharing (i4D)	SOL OI EN ICAO

OBJ Implementation Objectives: No associated data

ICAO ICAO Block Modules

Designator	Title	Related Elements
B1		
B1-TBO	Improved Traffic Synchronisation and Initial Trajectory-Based Operation.	SOL OI PCP
B2		
B2-FICE	Improved Coordination through multi-centre Ground-Ground Integration: (FF-ICE, Step 1 and Flight Object, SWIM)	SOL OI PCP