



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

Solution Data Quality Index -

Current Maturity Phase R&D

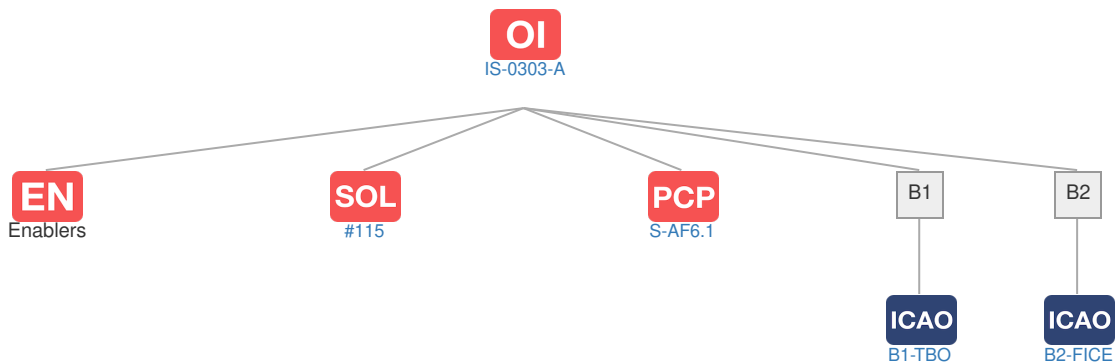
Scope Network

Release R5

PCP Status PCP

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																											
A/C-37a																											
AGDLS-ATC-AC-1																											
AGDLS-ATC-AC-11a																											
AGDLS-ATC-AC-11c																											
CTE-C02c																											
ER APP ATC 100																											
ER APP ATC 119																											
ER APP ATC 149a																											
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	

PCP PCP Elements

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

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.	
B2		
B2-FICE	Improved Coordination through multi-centre Ground-Ground Integration: (FF-ICE, Step 1 and Flight Object, SWIM)	

