



# IS-0302 — Use of Aircraft Derived Data (ADD) to enhance ATM ground system performance.

*Continued improvement in ATC operations and in the performance of ground-based systems, such as Trajectory Predictors, through the use of Aircraft Derived Data (e.g. aircraft position and state) subject to quick variations and/or frequent updates. It is anticipated that these data will be obtained from the Mode S transponder (via Mode S datalink) and / or from ADS-B out.*

**Rationale** The data will be used when available to facilitate improved accuracy of the ground trajectory predictions and improved ATC procedures. It is expected to also improve the performance of ATC decision support tools (e.g. by reduced uncertainty of climb and descent profiles).

**Forecast V3 end date** -

**Benefits start date (IOC)** 31-12-2022

**Full benefits date (FOC)** 31-12-2017

**Current Maturity Level** V3

**Solution Data Quality Index** -

**Current Maturity Phase** R&D

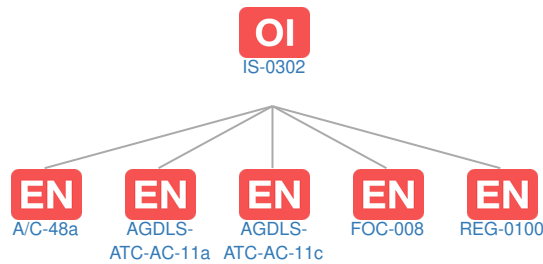
**Scope** Local

**Release** R8

**PCP Status** -

## 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-0302          |       |    |    |    |    |    |    |    | █  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |  |  |  |  |  |  |  |  |  |
| A/C-48a          |       |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |  |  |  |  |  |  |  |  |  |
| AGDLS-ATC-AC-11a |       |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |  |  |  |  |  |  |  |  |  |
| AGDLS-ATC-AC-11c |       |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |  |  |  |  |  |  |  |  |  |
| FOC-008          |       |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |  |  |  |  |  |  |  |  |  |
| REG-0100         |       |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |  |  |  |  |  |  |  |  |  |

**OI** Dependent OI Steps: No associated data

**SOL** SESAR Solutions: No associated data

**PCP** PCP Elements: No associated data

**OBJ** Implementation Objectives: No associated data

**ICAO** ICAO Block Modules: No associated data