



# CM-0814 — Enhanced Short Term Conflict Alert (STCA) ground Safety Net using DAPs information via ADS-B technology

*Improvement of the performance of the Short Term Conflict Alert (STCA) using the following Downlinked Aircraft Parameters via ADS-B:*

- Final State Selected Altitude (FSSA)
- Vertical Rate
- Roll Angle
- True Track Angle
- Track Angle Rate

*Improvements such as early detection that the separation mode could be compromised and avoid nuisance alerts. Information related with the current aircraft downlinked parameters and intentions are used to improve the predicted trajectory and therefore to determine potential conflict precisely and accurately*

**Rationale** Provide to the controllers with a reliable short term conflict alerting system improved with the use of DAPs information via ADS-B. The objective is to reduce the number of nuisance alerts in situation managed by ATC and to increase the warning time in case of unsafe aircraft manoeuvres.

**Forecast V3 end date** 31-12-2021

**Benefits start date (IOC)** -

**Full benefits date (FOC)** -

**Current Maturity Level** V1 finalised

**Solution Data Quality Index** -

**Current Maturity Phase** R&D

**Scope** -

**Release** -

**PCP Status** -

## Context

### Related Elements



**EN** Enablers: No associated data

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

**SOL** SESAR Solutions

Code	Title	Program	Related Elements
PJ.11-G1	Enhanced Short Term Conflict Alert (STCA) and Non Transgression Zone (NTZ) Ground Based Safety Nets making use of DAPs information.	SESAR 2020 Wave 1	<b>SOL</b> <b>PJ</b> <b>OI</b> <b>DS</b> <b>EOC</b>

**PCP** PCP Elements: No associated data

**OBJ** Implementation Objectives: No associated data

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