CM-0813 — Non Transgression Zone (NTZ) ground Safety Net using DAPs information via Mode-S technology

Improve the NTZ ground safety net performance making use of Dowlinked Aircraft Parameters downliked via Mode-S. 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 transgressions precisely and accurately. The DAPs used are:
- Roll Angle
- True Track Angle
- Track Angle Rate

Rationale	Provide to the controllers with a reliable non transgression zone alerting system improved with the use of DAPs information via Mode-S. 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

OI
CM-0813

SOL
PJ.11-G1

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	SOL PJ OI DS EOC

PCP PCP Elements: No associated data

OBJ Implementation Objectives: No associated data

ICAO ICAO Block Modules: No associated data