AUO-0705 — Enhanced arrival runway occupancy time thanks to efficient runway turn-off

The existing optimized braking to vacate at a pre-selected runway exit is combined with an assistance to Flight Crew for an efficient turn-off until aircraft has left runway protected area on the runway exit. This results in a reduced and more predictable arrival ROT, coordinated with ground ATC through datalink, and based on avionics that controls the deceleration of the aircraft to the design speed and supports the Flight Crew in an efficient turn-off (fast, accurate and reliable) at the selected exit.
The benefits of this operational improvement (mainly the enhanced ROT predictability) will show both in good visibility conditions as well as in low visibility conditions (especially in AUTO-LAND mode in CAT IIIb & c). Indeed, the benefit is likely to be bigger in low visibility conditions where the observed arrival ROT is generally greater than the one observed in good visibility conditions.

Rationale Providing assistance to the Flight Crew for an efficient turn-off will not only reduce the arrival ROT but also enhance drastically the predictability/accuracy of ROT at arrival. All of this is likely to enhance AMAN/DMAN sequencing on the corresponding runway.

Forecast V3 end date -

Benefits start date (IOC) -

Full benefits date (FOC) -

Current Maturity Level -

Solution Data Quality Index -

Current Maturity Phase R&D

Scope -

Release R6

PCP Status -

Context

Related Elements

AUO-0705

EN Enablers: No associated data

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