



Solution PJ.14-W2-81 — Long-term alternative Position, Navigation and Timing (A-PNT)

This key R&D activity aims at developing A-PNT systems capable to provide better performances in comparison to the short-term solution (based on DME-DME) and support PBN/RNP operations in case of a GNSS degradation or outage. Long term A-PNT airborne solution is expected to support: RNP 1 for the SID or STAR developed upon RNP 1 navigation specification, the airways defined with RNP 0.3 or RNP 1 constraints, and preferably RNP-APCH operations down to LNAV/VNAV minima supposing appropriate ground infrastructure. This also address the standalone mid-term aircraft technological enhancement (researched in Wave 1) that supports RNP-based Operations in the TMA e.g. RNP1 SIDs and STARs (mid-term A-PNT).

Program SESAR 2020 Wave 2

Need for coordination -

Related to -

Date V1 Gate -

Date V2 Gate -

Date V3 Gate 31-12-2022

Deployment Start Date -

Benefits Start Date (IOC) -

Full Benefit Date (FOC) -

Context

Related Elements

EOC
CNS...

SOL
PJ.14-W2-81

DS
CNS services...

PJ
PJ.20
AMPLE



Operating Environments: No associated data



Phases: No associated data



SESAR Projects

Code	Title	Related Elements
PJ.20 AMPLE	ATM Master Plan Maintenance	SOL



Operational Improvement Steps / Enablers: No associated data



PCP Elements: No associated data



Implementation Objectives: No associated data



ICAO Block Modules: No associated data