

MID RNP/RNAV TF/5
Report on Agenda Item 1

Report on Agenda Item 1: Status of Conclusions 6/17 to 6/21 from the MIDANPIRG/6 Meeting concerning implementation of RNP/RNAV routes in the MID Region.

1.1 Under this agenda item the Task Force was apprised of action which has been taken pursuant to MIDANPIRG/6 Meeting conclusions 6/17 to 6/21 and the implementation status is summarized at **Appendix 1A** to the Report on this Agenda Item. The action sheet on the status of implementation of WGS-84 and RNP 5 approvals are indicated at **Appendices 1B** and **1C** respectively.

1.2 The Task Force recalled that the LIM/MID (COM/MET/RAC) RAN Meeting, Cairo 1996 recognized that from an operational point of view, an ATS route network based on area navigation (RNAV) and providing for optimum routing, which would facilitate fuel conservation and reduce pilot workload was the preferred system and agreed that RNAV routes should be identified and included in the plan for ATS routes to offer improved routing to aircraft with RNAV capability. Furthermore, the meeting noted that RNP which is part of the ICAO CNS/ATM system will support the development of more flexible route system in an RNAV environment.

1.3 The Task Force emphasized the need for closer cooperation with the EUR and Asia/PAC Regions with a view to harmonize the implementation of RNP/RNAV routes in the MID Region.

1.4 As regards the development of airworthiness and operational approval procedures for RNP 5 operations, the meeting was of the view that the European Joint Airworthiness Authority (JAA) Temporary guidance Leaflet No.2, guidance material on airworthiness approval and operational criteria for the use of navigation systems in the European airspace designated for basic RNAV operations be endorsed as the official guidance material for airworthiness and operational approvals in the MID Region.

1.5 The meeting also agreed that the guidance material developed by the United States, Federal Aviation Administration (FAA) Order No.8400.12 be used by States for the development of RNP 10 operational approval process.

1.6 The Task Force noted that some States have designated the whole of the upper airspace above FL285 within their respective FIRs as RNP 5 airspace.

1.7 Based on the foregoing the meeting concluded that:

CONCLUSION 5/1 - INTERREGIONAL COOPERATION

That the MID Region States organize regular interface meetings with the EUR and Asia/PAC Regions with a view to harmonize procedures and implementation time-frames.

CONCLUSION 5/2 - AIRWORTHINESS AND OPERATIONAL APPROVAL FOR RNP 5 AND RNP 10 OPERATIONS IN THE MID REGION

That with a view to facilitate and harmonize the airworthiness and operational approvals procedures for RNP 5 and RNP 10 operations in the MID Region:

- a) The European Joint Airworthiness Authority (JAA) Temporary guidance Leaflet No.2, guidance material on airworthiness approval and operational criteria for the use of navigation systems in the European airspace designated for Basic RNAV operations be endorsed as the official guidance

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material for airworthiness and operational approvals for RNP 5 operations in the MID Region;

- b) the guidance material developed by the United States, Federal Aviation Administration (FAA) Order No.8400.12 be used by States for the development of RNP 10 operational approval process.

Note: *The above guidance materials can be downloaded from the official JAA & FAA web sites (www.faa.gov/) and (www.jaa.nl/).*
