

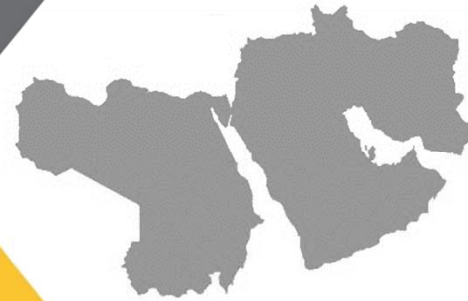


MIDANPIRG/18



RASG-MID/8

VIRTUAL MEETINGS



15-22 February 2021

MIDANPIRG/18 and RASG-MID/8 Virtual Meetings

(15 - 22 February 2020)



ICAOMID

MIDANPIRG/18, Agenda item 5.2.6: Specific Air Navigation issues

PBN Implementation

Presented by the secretariat

RNAV to RNP Instrument Approach Chart Depiction

- The Amendment 6 to the Procedures for Air Navigation Services — Aircraft Operations (PANS-OPS, DOC 8168) introduced a change to the approach charts by introducing the “PBN Requirements Box” and a change in chart identifications for performance-based navigation (PBN) approaches (transition from RNAV to RNP approach chart identification).
- The PBN SG/5 meeting noted that :
 - 4 States have already completed the implementation of the RNAV to RNP Chart naming convention ;
 - 4 States have started to implement the new chart identification;
 - 7 States have not yet begun the transition from RNAV to RNP approach chart identification.

RNAV to RNP Instrument Approach Chart Depiction

➤ The PBN SG/5 meeting reiterated the procedure included in the MID Region PBN Implementation Plan (MID Doc 007) as the MID Region Transition Plan from RNAV to RNP Charting Depiction and urged States that have not yet done so to:

a) implement RNAV to RNP Chart naming convention for their current PBN Approach Procedures published in their AIPs, until 8 September 2022.

b) provide the ICAO MID Office with their action plan for the implementation of RNAV to RNP Chart naming convention, and keep the MID Office apprised of the status of implementation, highlighting the total number of approach procedures and those that were published in accordance with the new naming convention.

RNAV to RNP Instrument Approach Chart Depiction

Why	To facilitate transition to RNAV to RNP Instrument Approach Chart Depiction
What	To implement RNAV to RNP Chart naming convention and provide the ICAO MID Office with their action plan for the implementation.
Who	Member States
When	September 2021

RNAV to RNP Instrument Approach Chart Depiction

The PBN SG proposed the following Draft Conclusion to be endorsed by MIDANPIRG/18:

DRAFT MIDANPIRG CONCLUSION 18/XX: ACTION PLAN FOR THE IMPLEMENTATION OF RNAV TO RNP CHART NAMING CONVENTION

*That, States, that have not yet done so, be urged to provide the ICAO MID Office with their Action Plan for the implementation of RNAV to RNP Chart naming convention, including the **status/plans** of implementation to the ICAO MID Office by ~~15 March 2020~~ **September 2021**.*

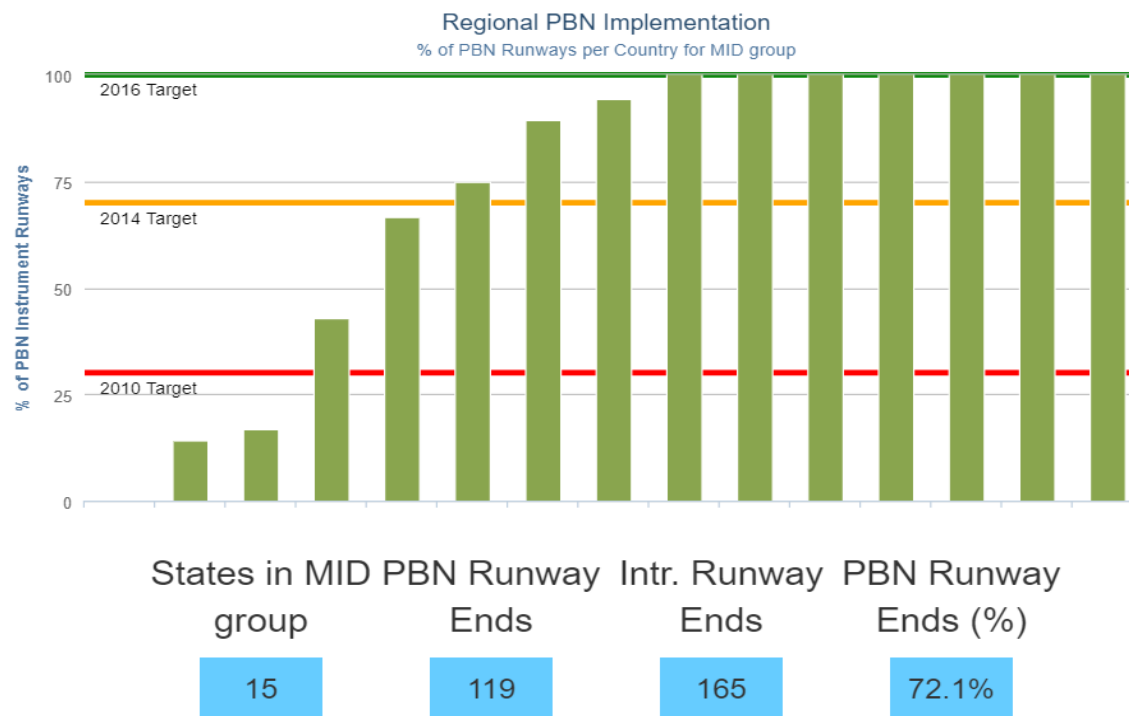
Status of PBN Implementation in the MID Region

- The global and MID region PBN implementation status at international airports is presented below.

Dec 2020	PBN Approach	LNAV/VNAV	LNAV	PBN SID	PBN STAR
Global (%)	76	59.4	71.4	49.4	44.8
MID (%)	72.1%	46.1	71.5	55.2	55.2

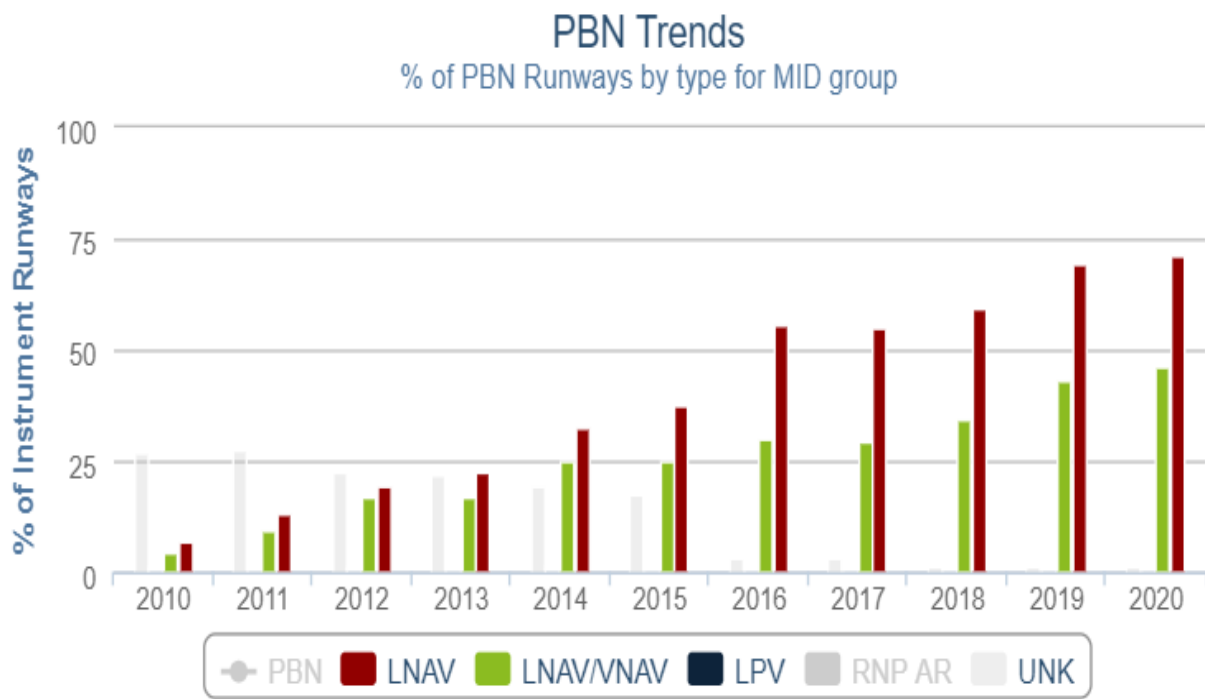
- Implementation of APV procedures are behind global achievement. However, implementation of LNAV and PBN SID/STAR are above the global implementation status.
- For CDO/CCO Implementation : 24 International Airports identified where CCO/CDO implementation would provide significant operational improvements. 71% of International airports have implemented CDO and 67% implemented CCO.
- 10 States submitted national PBN implementation plans to the ICAO MID Office and only 2 have updated their plans.

Status of PBN Implementation in the MID Region

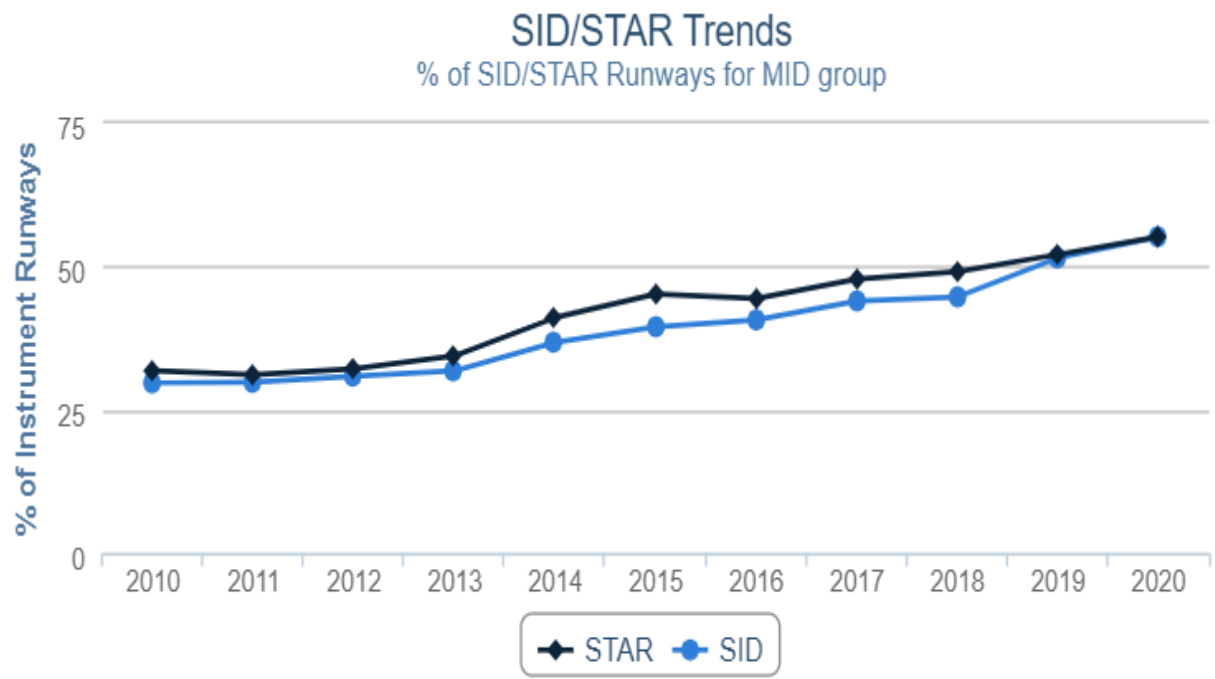




Status of PBN Implementation in the MID Region



Status of PBN Implementation in the MID Region



PBN Implementation in the MID Region

The PBN SG meeting recalled member States to submit National Implementation Plan, to develop RNP & RNAV IFPs for application in En-route, terminal areas and, especially, approach procedures with vertical guidance (APV) to be implemented on all instrument runway.

Why	To foster implementation of RNAV and RNP operations for en route and, terminal areas and approach procedures with vertical guidance (APV).
What	To submit PBN Plan and to implement RNP & RNAV IFPs for all phases of flight, in particular (APV) on all instrument runway.
Who	Member States
When	as per the agreed targets in the MID Region Air Navigation Strategy (APTA Thread).

PBN Implementation in the MID Region

The PBN SG/5 proposed the following Draft Conclusion to be endorsed by MIDANPIRG/18:

DRAFT MIDANPIRG CONCLUSION 18/XX: PBN SIDS AND STARS IMPLEMENTATION

That, PBN SIDs and STARs be implemented at all runway ends of international aerodromes listed in the MID Air Navigation Plan as per the agreed targets in the MID Region Air Navigation Strategy (APTA Thread).

PBN Implementation in the MID Region



Action by the Meeting

The meeting is invited to:

- a) take note of the progress of PBN Implementation in the MID Region made so far on; and
- b) endorse the Draft MIDANPIRG Conclusions presented in slides 6 and 12.

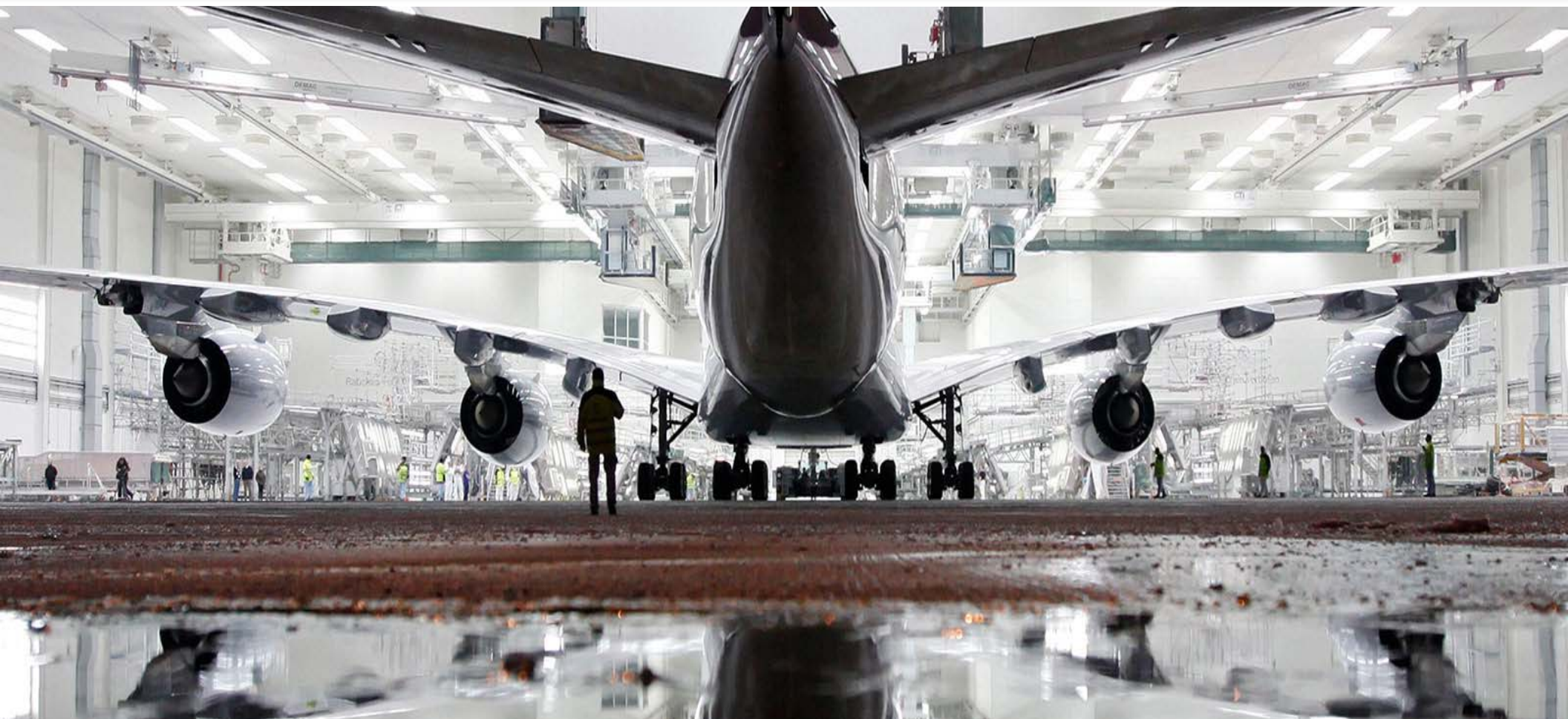


ICAOMID

→  MIDANPIRG/18
→  RASG-MID/8
VIRTUAL MEETINGS



15-22 February 2021





ICAOMID

→ MIDANPIRG/18

→ RASG-MID/8

VIRTUAL MEETINGS




15-22 February 2021

