

PBN Global Developments Related to PBN

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ICAO



PBN SG/4 (Cairo, Egypt, 19-21 January 2020)

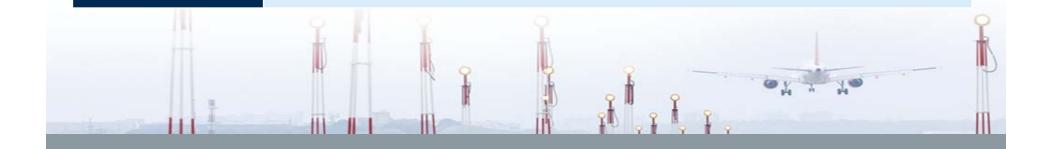
2018

SL Ref./Date:AN 11/1.1.33-18/80 24 August 2018

Proposals for the amendment of Annex 6, Parts I, II and III and PANS-OPS, Volumes I and II (Applicability 5 November 2020)

SL Ref./Date: AN 11/19.1, AN 11/19.2, AN 11/19.10-18/87 4 September 2018

Approval of Amendment 8 to the Procedures for Air Navigation Services — Aircraft Operations, Volume I — Flight Procedures and Amendment 8 to Volume II — Construction of Visual and Instrument Flight Procedures, and the first edition of Volume III — Aircraft Operating Procedures (PANS-OPS, Doc 8168)





2019

SL Ref./Date:AN 7/62.1.3-19/20
2 April 2019

Proposals for the amendment of Annex 10, Volume I relating to GNSS and conventional navigation aids. (Applicability on 5 November 2020)

SL Ref./Date: SP 65/4-19/28 10 April 2019

Proposed amendments to PANS-OPS, Volumes I and II, PANS-AIM and Annex 4 (Applicability on 5 November 2020)







PBN Specification for Consideration during Implementation

- ✓ RNAV to xLS
- ✓ RF Legs
- ✓ RNP AR for Departure
- ✓ RNAV Visual
- ✓ Overlapping

PBN OPS Approval Courses have been carried yearly all over the Regions

- ✓ In MID Region:
- ✓ 1. IATA PBN OPS Approval Course (Beirut, Lebanon, 26 30 November 2018),
 provided free of charge as support from IATA to MID FPP;
- ✓ 2. ICAO PBN OPS Approval Workshop (Cairo, Egypt, 25 29 November 2019); and
- √ 3. TBD



Circular 353

Transition Planning for Change to Instrument Flight Procedure Approach Chart Identification from RNAV to RNP



The main purpose of CIR 353 is to provide:

- ✓ guidance on the transition from the RNAV GNSS RWY XX approach naming convention to RNP RWY XX, in accordance with Amendment 6 to the Doc 8168, PANS-OPS, Volume II
- ✓ the framework for a global transition plan, the framework for developing a regional transition plan by the ICAO regional offices, and
- ✓ guidance to the States on how to develop a transition plan. In each case, all stakeholder requirements need to be considered, as well as hazards, risks and mitigations of transition planning and implementation

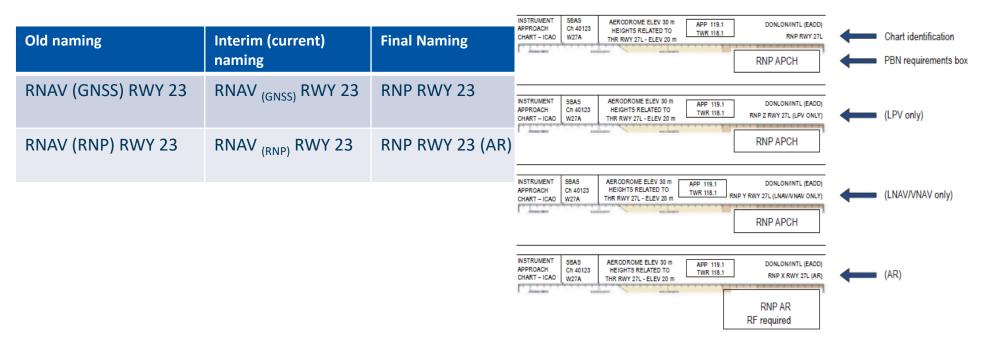


Naming Convention

- Until 30 November 2022, approach charts depicting procedures that meet the RNP APCH navigation specification criteria must include either the term RNP or RNAV (GNSS) in the identification; e.g. RNP RWY 23 or RNAV (GNSS) RWY 23. However, from 1 December 2022, only the term RNP will be permitted.
- Until 30 November 2022, approach charts depicting procedures that meet the RNP AR APCH navigation specification criteria must include either the term RNP (AR) or RNAV (RNP) in the identification; e.g. RNAV (RNP) RWY 23. However, from 1 December 2022, only the term RNP (AR) will be permitted.



How it will look like



States may decide to go directly from the old naming convention to the final convention



Chart Identification

- The chart identification must include the runway identification for straight-in landing (RNP RWY 23)
- For circling procedure; a letter designator (a, b, c, etc.); example: RNP A
- When more than one PBN approach procedure exists for the same runway: e.g. RNP Z RWY 23, RNP Y RWY 23



MID Region PBN Charting Transition Plan

MID States, that have not yet done so, should implement RNAV to RNP Chart naming convention for their current PBN Approach Procedures published in their AIPs, starting from 29 March 2019 up to 8 September 2022.

- New PBN Approach Procedures, planned to be published before 29 March 2019, should be published using the new naming convention, if practicable.
- If a PBN Approach Procedure published in the National AIP is amended and re-published before 29 March 2019 (for any reason), the new naming convention should be used, if practicable.
- States are required to 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.



- The meeting is invited to:
 - Urge States to implement the ICAO Provisions related to PBN; and
 - provide update on the status of RNAV to RNP Charting Depiction; and



