



# PBN Approvals Post New Regulation Part 91 Implementation at CASA



Australian Government  
Civil Aviation Safety Authority

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*safe skies for all*

# Background

- Pre-2012 PBN approvals issued by legal instrument and CASR Part 91U ( RVSM, RNP/RNAV 10 and RNP4)
- Post-2012 PBN legislation promulgated via Civil Aviation Order 20.91 for RNAV 1 and 2, RNP 1 and 2, RNP 5, RNPAPCH LNAV, RNP- AR, Baro-VNAV, Advanced RNP and primary means GPS. (These were known as the PBN deeming provisions)
- 02 Dec 2021 all PBN legislation via Part 91

# Specific Regulation

CAO 20.91 replaced by CASR 91 and MOS 91

## 91.660 Performance-based navigation

- (1) The pilot in command of an aircraft for a flight contravenes this subregulation if:
    - (a) the flight, or any part of the flight, is conducted using a navigation specification prescribed by the Part 91 Manual of Standards for the purposes of this paragraph; and
    - (b) neither the operator of the aircraft for the flight nor the pilot in command holds:
      - (i) for an Australian aircraft—an approval under regulation 91.045; or
      - (ii) for a foreign registered aircraft—an approval by the national aviation authority of the aircraft's State of registry or of the State of the operator;
- to use that navigation specification during the flight or part of the flight.

## CHAPTER 22 PERFORMANCE-BASED NAVIGATION (PBN)

### 22.01 Purpose

For paragraph 91.660 (1) (a), this Chapter prescribes the following navigation specifications:

- (a) RNP AR APCH;
- (b) RNP AR DP.

*Note* A prescribed navigation specification may not be used without CASA approval under regulation 91.045 for paragraph 91.660 (1) (b).

# Approval Considerations

- Approvals only required for RNP-AR APCH, RNP-AR DP, NAT HLA and RVSM.
- All other PBN specifications are deemed if certain requirements are met such as
  - Navigation specifications are certified in AFM
  - Aircraft is eligible as per AFM and supplements
  - Crews are trained & recurrent training in place
  - Airworthiness and maintenance requirements are in place
  - Data base management implemented

# Approval process

- Two components to approval - Airworthiness and Flight Operations
- Both AWI and FOI use the PBN Assessors Work sheet as a checklist to ensure compliance with the Regulations.
- Once the team is satisfied that compliance is met a recommendation is sent to the delegate for approval.

# PBN Technical Assessors Worksheet



# Summary

- Only RVSM, NAT HLA and RNP AR ops require approval now under new Regulations
- Two components to approval - Airworthiness and Flight Operations
- Approval is shown on AOC OPSPEC or if no AOC, ie Private operation, then separate instrument issued.

**Any Questions**