



## WORKSHEET

# Worksheet C (OPS.04) Other PBN assessment

Applicant name	Applicant ARN	EAP case number	File reference
----------------	---------------	-----------------	----------------

## Instructions

1. Use this worksheet for the assessment of other PBN specifications not requiring approval.
2. All sections below should be completed. Some sections require both an airworthiness inspector (AWI) and flying operations inspector (FOI) assessment.
1. Unless otherwise stated, the legislation reference refers to the *Civil Aviation Safety Regulation 1998* (CASR).
3. The compliant column is used to record evidence that supports an assessment of *present* and *suitable* for the operation. Select a response from the drop down list. There are four available responses: **Yes** / **No** / **MI** (more information) / **N/A** (not applicable). Yes indicates that both present and suitable have been satisfied and the element is compliant with the rule.
4. For guidance on specific aspects of each question, refer to the respective section in the principle document as identified in the principle reference column.
5. The assessment summary must be completed by all relevant parties. By selecting satisfied or not satisfied, the inspector is taken to have signed the worksheet.
6. Where required, the approval data sheet must be completed by the assigned inspectors. Regservices will use this information to prepare approvals for the delegate.

## 2 Aircraft eligibility

Legislation reference	Principle reference	Question	SME	Compliant?	Inspector comments
CASR 11.040 CASR 21 CASR 91.655(1)	2	Does the application identify the specific aircraft, or aircraft type and model, for the PBN specification?	AWI		
CASR 91.655(2)(i)	2.1	If the application is for a new aircraft directly from the manufacturer, has the operator supplied documentation to support the aircraft eligibility for the PBN specification?	AWI		
CASR 11.040 CASR 21.M MOS 91.26	2.2	If the application is for a used or modified aircraft, has the operator provided documentation that supports the aircraft is eligible for the PBN specification?	AWI		
CASR 21.M CASR 91.D MOS 91.26	2.2	Has the operator supplied a description of installed major components to support the PBN specification? (equipment list for hardware and software)	AWI		
CASR 119.205(1)(n) CASR 138.155(1)(n) MOS 91.11 MOS 121.11	2	Are there any aircraft limitations and conditions included in the aircraft eligibility documentation that need to be reflected in the CASA issued operations specifications?	AWI		
MOS133.11 MOS 135.11 MOS 138.22			FOI		

### 3 Continuing airworthiness

Legislation reference	Principle reference	Question	SME	Compliant?	Inspector comments
CASR 91.655 CASR 42.145 CAR 39 MOS 91.26	3.1 3.2 3.4	Does the operator's maintenance program ensure the aircraft systems are maintained and calibrated, to ensure compliance with the airworthiness approval?	AWI		
CASR 91.D CASR 42.145 CASR 119.205(1)(n) CASR 138.155(1)(n) CAR 39	3.1	Does the operator's configuration management process include the management of software required to ensure compliance with the airworthiness approval?	AWI		
CASR 42.145 CAR 39	3.1	Does the operator have a process to ensure that only parts compliant with the airworthiness approval, including software, are installed during a maintenance activity?	AWI		
CASR 42.145 CAR 39	3.2	Does the operator's maintenance program include instructions for continuing airworthiness for the navigation equipment issued by the type certificate (TC) or supplemental type certificate (STC) holder?	AWI		

OFFICIAL

Legislation reference	Principle reference	Question	SME	Compliant?	Inspector comments
CASR 42.145 CAR 39	3.2	Does the operator's maintenance program include instructions to maintain the accuracy and integrity of the autopilot and automatic altitude control system?	AWI		
CASR 42.1050 CAR 42L	3.2	If the operator is required to have a reliability program, does the program monitor the health of the navigation equipment fitted to the aircraft?	AWI		
CASR 42.1050 CAR 42L	3.2	If the operator is NOT required to have a reliability program, does the maintenance program include a reliability program section, to monitor the health of the navigation equipment fitted to the aircraft?	AWI		
CASR 21.017 CASR 21.091 CASR 21.115 CASR 91.D	3.1	Does the operator ensure that, for any modification to the electrical system of the aircraft, an electrical load analysis is conducted to ensure compliance with the airworthiness approval?	AWI		
CASR 42.315 CAR 214	3.3	Does the operator provide both initial and recurrent training for maintenance personnel, that includes the requirements of the navigation authorisation?	AWI		

OFFICIAL

Legislation reference	Principle reference	Question	SME	Compliant?	Inspector comments
CASR 119.205(1)(k) CASR 138.155(1)(k)	3.5	Does the operator's MEL provide details on the effect on PBN specification in the event of a system failure?	AWI		
CASR 91.Y MOS 91.28			FOI		
CASR 119.205(1)(k) CASR 138.155(1)(k)	3.5	Do the submitted OMEL extracts include provisions for the PBN specification sought?	AWI		
CASR 91.Y MOS 91.28			FOI		
CASR 91.960 CASR 91.D	3.5	Where a system interfaces to other systems, are there notes or references in the MEL to those other systems?	AWI		
MOS 91.28			FOI		

## 4 Flight operations

Legislation reference	Principle reference	Question	SME	Compliant?	Inspector comments
CASR 119.205(1)(h) CASR 138.155(1)(h) CASR 91.660MOS 91.14	4.1 4.1.1	Does the operators exposition / operations manual and/or checklists ensure the aircraft and crew have the appropriate operating procedures for the PBN specification?	FOI		
CASR 119.205(1)(h) CASR 138.155(1)(h)	4.1 4.1.1	Are there procedures for the use of automation, mode selections, acknowledgement of mode selection/changes, mode awareness?	FOI		
CASR 119.205(1)(h) CASR 138.155(1)(h) MOS 91.10 MOS 91.14	4.1.1	Are there procedures for confirming current navigation database, initialisation, loading of aircraft flight plan and aircraft performance data (if required)?	FOI		
CASR 119.205(1)(h) CASR 138.155(1)(h)MOS 91.10 MOS 91.14	4.1.1	Are there procedures for identification/briefing of SID/STAR RNP APCH, selection from database, and loading into flight plan, and selection of correct RNP setting (if required)?	FOI		
CASR 119.205(1)(h) CASR 138.155(1)(h)MOS 91.14	4.1.1	Are there procedures for monitoring/alerting of cross track deviations?	FOI		

OFFICIAL

Legislation reference	Principle reference	Question	SME	Compliant?	Inspector comments
CASR 119.205(1)(h) CASR 138.155(1)(h)MOS 91.14	4.1.1	Are there procedures for the correct setting of RNP APCH minimums, including temperature compensation (if required)?	FOI		
CASR 119.205(1)(h) CASR 138.155(1)(h) MOS 91.26	4.1.1	Are there procedures for the correct use of altitude hold/alert functions to ensure correct automatic mode transfer?	FOI		
CASR 91.240 MOS 91.9	4.4.3	Does the operator have flight planning procedures to ensure RNP 10 time limits or any other operating restriction?	FOI		
CASR 91.240 MOS 91.9	4.4.3	Does the operator have procedures to ensure flight crew check that at least 2 LRNS, suitable for RNP 10, are operating prior to entry into RNP 10 airspace?	FOI		
CASR 91.240 MOS 91.9	4.1	For RNAV 1, 2 & 5, does the operator have flight planning procedures to ensure the availability of required navigational aids on planned routes?	FOI		
CASR 119.205(1)(h) CASR 138.155(1)(h) MOS 91.10	4.1 4.3	Does the operator have procedures in flight planning to verify availability of GNSS service, accounting for aerodrome location, terrain masking, satellite status, approach and/or departure operations, limiting temperatures?	FOI		
CASR 91.240 MOS 91.9	4.3	Does the operator have procedures for appropriate data and code entry in the flight notification?	FOI		

OFFICIAL

Legislation reference	Principle reference	Question	SME	Compliant?	Inspector comments
MOS 91.14	4.3.2	Does the operator have procedures to ensure the navigational database is provided by an approved supplier?	AWI		
			FOI		
MOS 91.14	4.1 4.3.2	Does the operator have procedures to verify validity, currency and inclusion of all required navigational aids and way points in the database?	FOI		
CASR 119.205(1)(h) CASR 138.155(1)(h) MOS 91.10 MOS 91.14	4.2 4.2.1	Does the operator have procedures to cross check flight plans with navigation databases?	FOI		
CASR 119.205(1)(h) CASR 138.155(1)(h) MOS 91.14	4.3.2	Does the operator have a procedure to check currency of databases?	FOI		
CASR 119.205(1)(h) CASR 138.155(1)(h) MOS 91.10 MOS 91.14	4.1	Does the operator have receiver autonomous integrity monitoring (RAIM) prediction procedures, commensurate with PBN operations?	FOI		
CASR 119.205(1)(h) CASR 138.155(1)(h) MOS 91.14	4.1	If GNSS is used as the primary source of position data, does the operator have a contingency procedure to deal with loss of integrity for more than 5 minutes?	FOI		



Legislation reference	Principle reference	Question	SME	Compliant?	Inspector comments
CASR 119.205(1)(h) CASR 138.155(1)(h) MOS 91.14 MOS 91.15	4.1	Does the operator have contingency procedures for loss of required navigation performance?	FOI		

## 4.2 Flight crew training

Legislation reference	Principle reference	Question	SME	Compliant?	Inspector comments
CASR 138.130(4) CASR 119.170(2)(d)	4.2 4.2.1	Does the operator have a training program to ensure ongoing initial and recurrent flight crew competency for each PBN specification, that where appropriate, also includes training for operations control or dispatch personnel?	FOI		
CASR 138.130(4) CASR 119.170(2)(d)	4.2 4.2.1	Does the operator's training program address all relevant PBN topics?	FOI		

## 4.4 Monitoring and reporting programs

Legislation reference	Principle reference	Question	SME	Compliant?	Inspector comments
CASR 119.205(1)(h) CASR 121.120 CASR 133.095 CASR 135.105 CASR 138.155(1)(h) CASR 138.235 MOS 91.14	4.4.2	Does the operator have a documented monitoring and reporting process for navigation (including database) performance deficiencies?	FOI		
CASR 119.205(1)(n) CASR 121.120 CASR 133.095 CASR 135.105 CASR 138.155(1)(n) CASR 138.235 MOS 91.14	4.4.2	Does the operator have documented flight crew procedures for reporting of any required navigational performance deficiencies?	FOI		

Assessment summary

Applicant name		Applicant ARN		EAP case number		File reference	
----------------	--	---------------	--	-----------------	--	----------------	--

This worksheet verifies that the above-named applicant’s exposition/operations manual has been assessed in accordance with the current revision of Protocol (OPS.04), and satisfies the requirements of regulation 119.205 or regulation 138.155 (as applicable) for the following performance-based navigation specifications.

PBN specifications assessed

☐ RNAV 10 (RNP 10)

☐ RNAV 5

☐ RNAV 2

☐ RNAV 1

☐ RNP 4

☐ RNP 2

☐ RNP 1

☐ RNP 0.3

☐ APV Baro Vnav

☐ RF legs

☐ FRT

☐ Advanced RNP

☐ RNP APCH

Aircraft registration (VH) and serial no.

Registration	Serial number	Registration	Serial number

Inspector name		Title	Airworthiness inspector	Date	
Inspector name		Title	Flying operations inspector	Date	

## Assessment

The exposition / operations manual has been assessed to ensure procedures support performance-based navigation operations.

### Airworthiness inspector

- ☐ I am satisfied that the operator meets the requirements mentioned in regulation 119.205 or regulation 138.155 (as applicable).
- ☐ I am not satisfied that the operator meets the requirements mentioned in regulation 119.205 or regulation 138.155 (as applicable).

### Flying operations inspector

- ☐ I am satisfied that the operator meets the requirements mentioned in regulation 119.205 or regulation 138.155 (as applicable).
- ☐ I am not satisfied that the operator meets the requirements mentioned in regulation 119.205 or regulation 138.155 (as applicable).

## Reason for decision