



WORKSHEET

Worksheet B (OPS.04) RNP AR assessment

Applicant name	Applicant ARN	AP case number	Principle reference
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Instructions

1. Use this worksheet for the assessment of RNP AR.
2. All sections below should be completed. Some sections require both an airworthiness inspector (AWI) and flying operations inspector (FOI) assessment.
3. Unless otherwise stated, the legislation reference refers to the *Civil Aviation Safety Regulation 1998* (CASR).
4. 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.
5. For guidance on specific aspects of each question, refer to the respective section in the principle document as identified in the principle reference column.
6. 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.
7. 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 which the RNP AR authorisation is sought?	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 or a copy of the RNP AR to support the aircraft eligibility?	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 RNP AR?	AWI		
CASR 21.M CASR 91.D MOS 91.26	2.2	Has the operator supplied a description of installed major components to support RNP AR operations? (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 will need to be reflected in 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	3.1.3	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	3.1.1 3.1.3	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		
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		

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Legislation reference	Principle reference	Question	SME	Compliant?	Inspector comments
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	3.1.2	Does the operator's process ensure that, if there is 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 sought?	AWI		
CASR 119.205(1)(k) CASR 138.155(1)(k) CASR 91.Y	3.5	Does the operator's MEL provide details on the effect on the navigation specification in the event of a system failure?	AWI		
MOS 91.28			FOI		

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Legislation reference	Principle reference	Question	SME	Compliant?	Inspector comments
CASR 119.205(1)(k) CASR 138.155(1)(k)	3.5	Do the submitted OMEL extracts include provisions for the operational specifications 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 91.655 MOS 91.11	4.1 4.1.3	Does the operator's exposition / operations manual and/or checklists ensure the aircraft and crew have the appropriate RNP AR operating procedures?	FOI		
CASR 119.205(1)(h) CASR 138.155(1)(h)	4.1 4.1.3	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	4.1.3	Are there procedures for confirming the current nav database, initialisation, loading of aircraft flight plan and aircraft performance data?	FOI		
CASR 119.205(1)(h) CASR 138.155(1)(h) MOS 91.10 MOS 91.14	4.1.3	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	4.1.3	Are there procedures for monitoring/alerting of cross track deviations?	FOI		
CASR 119.205(1)(h) CASR 138.155(1)(h) MOS 91.14	4.1.3	Are there procedures for the correct setting of RNP APCH minimums, including if required, temperature compensation?	FOI		

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Legislation reference	Principle reference	Question	SME	Compliant?	Inspector comments
CASR 119.205(1)(h) CASR 138.155(1)(h) MOS 91.26	4.1.3	Are there procedures for the correct use of altitude hold/alert functions to ensure correct automatic mode transfer?	FOI		
CASR 11.040 CASR 119.205(1)(h) CASR 138.155(1)(h)	4.3	Has the operator provided an implementation program?	FOI		
CASR 11.040	4.3	Has the operator submitted a flight operational safety assessment (FOSA)?	FOI		
CASR 119.205(1)(h) CASR 138.155(1)(h) MOS 91.10	4.3	Does the operator have procedures and records to ensure that aircraft and flight crew have the appropriate, current authorisations before planning a flight using RNP AR procedures?	FOI		
CASR 119.205(1)(h) CASR 138.155(1)(h) MOS 91.10	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		
MOS 91.14	4.3	Does the operator have procedures to ensure the navigational databases are provided by an approved supplier?	AWI		
			FOI		

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Legislation reference	Principle reference	Question	SME	Compliant?	Inspector comments
MOS 91.14	4.3	If a nav database is used, does the operator have procedures to verify validity, currency and inclusion of all required nav aids and way points?	FOI		
CASR 119.205(1)(h) CASR 138.155(1)(h) MOS 91.11 MOS 91.14	4.1.2	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	4.1.2 4.3	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	4.1.2	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	4.1.2	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		
CASR 119.205(1)(h) CASR 138.155(1)(h) MOS 91.14 MOS 91.15	4.1.2	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 in RNP AR that, where appropriate, also includes training for operations control or dispatch personnel?	FOI		
CASR 138.130(4) CASR 119.170(2)(d)	4.2.1	Does the operator's training program address all topics, including identified proficiencies in section 3.9.6 of AC 91-05?	FOI		
CASR 138.130(4) CASR 119.170(2)(d)	4.2.1	Has the operator provided details of a qualification flight in accordance section 3.9.5 of AC 91-05?	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 91.11	4.4.2	Does the operator's implementation program include procedures to identify and report to CASA any negative trend in performance or operations, including procedures for monitoring RNP ^o AR operations and collecting relevant data?	FOI		
CASR 119.205(1)(n) CASR 138.155(1)(n) MOS 91.11	4.4.2	If the operator does not have an active FOQA program, does their alternate monitoring program meet the requirements for monitoring aircraft reliability and performance and accrue the information needed for regulatory oversight?	FOI		
CASR 119.205(1)(h) CASR 121.120 CASR 133.095 CASR 135.105 CASR 138.155(1)(h) CASR 138.235 MOS 91.11 MOS 91.14	4.4.2	Does the operator have procedures for reporting the required equipment performance for RNP AR?	FOI		

Assessment summary

Applicant name		Applicant ARN		EAP case number		File reference	
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This worksheet verifies that the application for RNP AR, for the above-named applicant and the aircraft listed on the approval data sheet, has been assessed in accordance with the current revision of Protocol (OPS.04).

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

Assessment

The application for RNP AR has been assessed in accordance with the requirements mentioned in regulation 91.660.

Airworthiness inspector

- ☐ I am satisfied that the operator meets the requirements mentioned in the regulations.
- ☐ I am not satisfied that the operator meets the requirements mentioned in the regulations.

Flying operations inspector

- ☐ I am satisfied that the operator meets the requirements mentioned in the regulations.
- ☐ I am not satisfied that the operator meets the requirements mentioned in the regulations.

Reason for recommendation

Approval data sheet

Applicant name		Applicant ARN		EAP case number		File reference	
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Tick the relevant boxes and insert details of the aircraft types and associated conditions.

☐ Significant change recommendation

(1) The proposed significant change(s) to the exposition/operations manual have been assessed in accordance with the requirements mentioned in:

☐ paragraph 119.205(1)(m) ☐ paragraph 138.155(1)(m)

Inspector

☐ I recommend the significant change.

☐ I do not recommend the significant change.

Exposition/operations manual revision reference

Title		Version		Date		RMS reference number	
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Note: Regservices requires this information to create the EMAN in RMS.

☐ **RNP AR approaches and/or departures**

- (1) The operator and pilot in command can be approved to conduct RNP AR approaches and/or departures under subparagraph 91.660(1)(b)(i).
- (2) For subparagraph 91.660(1)(b)(i), the approval applies to the following listed aircraft and PBN specification:

Aircraft manufacturer	Aircraft type	Aircraft model	RNP AR APCH	RNP AR DP

- (3) The approval under subsections (1) and (2) are subject to the following conditions (if required):