

## 2.3 Flight Planning

### RNP

2.3.1 RNP compliance is indicated by inclusion of the letter "R" in field 10 (Equipment) of the ICAO flight plan when any portion of the flight planned route passes through an active RNP designated airspace.

2.3.2 Operators wishing to access 30/30 separation minima must annotate:

- (a) "Y", "R" and "Z" in Item 10, Equipment; and
- (b) "D" in Item 10, Surveillance Equipment; and
- (c) "NAV/RNP4" in Item 18.

2.3.3 The requirements of para 3.1 are to confirm that:

- (a) RNP4 Operational Certificate has been granted for 30/30 separation and RNP4; and
- (b) crew training for pilots and dispatchers is complete for both RNP4 and FANS1/A; and
- (c) documentation of normal and abnormal procedures for pilots and dispatchers is completed and issued.

**Note:** This information allows automated ATC systems to determine aircraft navigational capability.

### RVSM

2.3.4 RVSM approval is required for aircraft to operate within RVSM airspace; however, non-RVSM aircraft (including VFR) may request entry in - flight on an ad hoc basis. The operator must determine that the appropriate State Authority has approved the aircraft and that it will meet the RVSM requirements for the filed route of flight and any planned alternate routes. The letter "W" must be inserted in field 10 (Equipment) of the ICAO flight plan to indicate RVSM approved aircraft.

2.3.5 Non-RVSM civil aircraft may not flight plan between FL 290 and FL 410 inclusive within RVSM airspace, except that aircraft unable to fly to an appropriate destination at or below FL280 or at or above FL 430 may, after special coordination (as detailed in 2.3.4), flight plan within the RVSM stratum provided the aircraft:

- (a) is being delivered for initial acceptance, change of ownership, or lease; or
- (b) was formerly RVSM approved but has experienced an equipment failure and is being flown to a maintenance facility for repair to meet RVSM requirements and/or obtain approval; or
- (c) is being utilised for mercy or humanitarian purposes.

## 2 RNP AND RVSM PROCEDURES

### 2.1 General

2.1.1 The Pacific RVSM document Section "Documents and Processes for Pacific RVSM Aircraft and Operator Approval" provides an outline of the operating rules (Subpart C), and instrument and equipment requirements and specifications for operating in Required Navigation Performance (RNP) and Reduced Vertical Separation Minima (RVSM) airspace.

#### D 2.1.2 Fiji has designated:

- (a) RNP airspace in the Nadi FIR; Lower limit FL280 Upper limit FL600; and
- (b) RVSM airspace in the Nadi FIR; Lower limit FL290 Upper limit FL410.

2.1.3 In accordance with the ICAO Asia/Pacific Air Navigation Planning and Implementation Regional Group's (APANPRG) CNS/ATM Implementation plan as well as Regional Supplementary Procedures (Doc7030), Fiji has implemented the 30NM lateral and 30NM longitudinal separation minima ("30/30") in the Nadi FIR Oceanic Airspace on 10 January 2005.

### 2.2 Approval

#### RNP

2.2.1 RNP approval is provided by the State of Registry or State of the Operator, as appropriate.

2.2.2 To be eligible for the application of RNP separation, aircraft must be:

- (a) RNP4 operationally approved; and
- (b) equipped with FANS-1/A; and
- (c) the crew trained in the use of ADS Contract (ADS-C) and CPDLC.

2.2.3 RNP4 operational approval is granted by the State of Registry or State of the Operator. Fijian operators must obtain an RNP4 Operational Certificate from CAAFI before undertaking RNP4 operations. Other operators should consult their relevant State authority. Guidelines for RNP4 operational approval have recently been included in the ICAO RNP Manual (Doc9613), Appendix F.

#### RVSM

2.2.4 To conduct RVSM operations, operators must obtain an operational and airworthiness approval from the State of Registry or State of the operator, as appropriate.

2.2.5 The pilot must notify ATC whenever the aircraft no longer has the required serviceable equipment when within, and up to 30 minutes prior to entry into, airspace where RVSM may be applied.

2.2.6 If TCAS is installed in RVSM compliant aircraft, the equipment should be updated to Version 7, or a later approved version, for optimum performance in RVSM airspace.

**2.3.6 Operators requesting approval for non - RVSM approved aircraft must:**

- (a) If departing from within the Nadi FIR, obtain approval from the Nadi ATM Centre by telephone, normally not more than 12 hours and not less than 4 hours prior to ETD; or
- (b) If transiting the Nadi FIR, notify the Nadi ATM Centre after an approval is obtained from the first affected center and prior to departure.

**Note:**

Filing of a Flight Plan is not considered appropriate notification when including the remarks "approved non - RVSM" in field 18 of the ICAO flight plan.

**2.3.7** This process is intended exclusively for the purposes indicated above and not as a means to circumvent the normal RVSM approval process. Contact details for non-RVSM approval request: Telephone (679) 672 5777, Facsimile: (679) 672 4600 AFTN: NFFNZQZX

**2.4 Delivery Flights for Aircraft that are RVSM Compliant**

**2.4.1** An aircraft that is RVSM compliant on delivery may operate in RVSM airspace provided that the crew is trained on RVSM policies and procedures applicable in the airspace and the responsible State approves the operation. In this case the operator should notify the Asia Pacific Approvals Registry and Monitoring Organisation (APARMO) via email [apamo@tc.faa.gov](mailto:apamo@tc.faa.gov) or fax 011 +609+485 5117 with the date of the delivery flight, flight identification and registration number.

**2.5 State Aircraft**

**2.5.1** Operators of State aircraft (military, customs or police service) may flight plan within the Nadi FIR RVSM airspace in accordance with requirements (refer to section 2.3).

**2.6 ATC Separation Minima****RNP**

**2.6.1** Minimum lateral/longitudinal separation between RNP10 aircraft is 50NM and RNP4 aircraft is 30NM as permitted by ICAO Regional Supplementary Procedures (Doc 7030). In all other case, 100NM lateral or time - based longitudinal separation will be applied.

**RVSM**

**2.6.2** Minimum ATC separation between RVSM aircraft is 1000ft. In all other cases between non - RVSM aircraft or between a non -RVSM and an RVSM aircraft 2000ft vertical separation will be applied.