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CABY
20-2014

**CIVIL
AVIATION
BYE-LAW**

RVSM HEIGHTKEEPING PERFORMANCE MONITORING

Document No.: CABY 20/2014
17th December 2014



PREAMBLE: These Bye-Laws are made by the Civil Aviation Authority of Botswana with the approval of the Minister of Transport and Communications under Section 8 (2) of the Civil Aviation Act, 2011.

CITATION: These Bye Laws may be cited as the Civil Aviation Authority of Botswana (RVSM Height-keeping Performance Monitoring) Bye Laws.

1. PURPOSE

The purpose of this Civil Aviation Bye-Law is to clarify the requirements for monitoring height-keeping performance of aircraft that operate in RVSM airspace (i.e. Flight level 290 – 410 inclusive), where a vertical separation of 1,000 feet is applied between RVSM approved aircraft.

2. APPLICABILITY

This Bye Law shall apply to all holders of Reduced Vertical Separation Minimum (RVSM) approvals issued by the Civil Aviation Authority of Botswana (the Authority).

3. EFFECTIVITY

This Civil Aviation Bye-Law (20-2014) shall become effective immediately.

4. REFERENCES

- ICAO Annex 6
- Civil Aviation (Equipment and Instruments) Regulations 2013, Regulation 18 (4)

5. REQUIREMENTS

- 5.1 All holders of RVSM approvals issued by the Authority shall participate in a regional height-keeping performance monitoring program. This requirement is in line with the provisions of ICAO Annex 6, and is intended to ensure safety of operations in RVSM airspace.
- 5.2 All RVSM monitoring agencies shall submit Height-keeping reports to the Authority as per Regulation 18 (4) of the Civil Aviation (Equipment and Instruments) Regulations, 2013. The objective is to enable safety assessments and implementation of immediate corrective action for aircraft identified in such reports as not complying with height-keeping performance requirements for operations in airspace where RVSM is applied.
- 5.3 RVSM holders shall complete an initial monitoring not later than six (6) months after the issue of RVSM approval. Thereafter, recurrent monitoring shall be done at least once every 2 years or 1000 flight hours, unless otherwise recommended by Africa Indian Region Regional Monitoring Agency (ARMA). RVSM approval holders who wish to maintain their approvals shall satisfy these monitoring requirements, including any other long term monitoring requirements, and

arrange to have height-keeping performance monitoring reports sent directly to the Authority by the Regional Monitoring Agency.

5.4 RVSM HEIGHT MONITORING PROCEDURE

5.4.1 The task of monitoring RVSM in the AFI Region has been assigned to AFI Regional Monitoring Agency (ARMA).

5.4.2 Once an air operator obtains RVSM Operational Approval, the operator shall contact ARMA (*see contact details in Paragraph 5.7.1 below*) to arrange for an initial height monitoring flight(s) within six (6) months and make plans for long term monitoring as per Paragraph 5.3 above. Ad hoc height monitoring flights may also be required in the interests of RVSM safety due to extraordinary circumstances.

5.4.3 In some cases it is possible to conduct height monitoring during a normal scheduled flight. In any case, an air operator shall arrange with ARMA and ensure that height monitoring requirements are met and communicated to all parties involved.

5.5 APPLICABILITY OF MONITORING FROM OTHER REGIONS

Monitoring data obtained in conjunction with RVSM monitoring programs from other regions shall be accepted by the Authority as meeting requirements provided ARMA confirms the same.

5.6 FOLLOW-ON MONITORING

Monitoring is an ongoing program that shall continue after the RVSM approval process. Operators shall carry out follow-on sampling program for additional operator aircraft as follows:

- (a) Scheduled Operators - shall subject a minimum number of each of the type of aircraft to height monitoring every two (2) years or 1000 flight hours per nominated aircraft whichever is longer as per Appendix 1 of this Circular. A rotation program shall be established so that all the aircraft of the same type are subjected to height monitoring over a period of time.
- (b) Non-scheduled Operators & General Aviation Operators - shall subject each of their RVSM compliant aircraft for height monitoring every 2 years or 1000 flight hours per nominated aircraft, whichever is longer.

5.7 POINT OF CONTACT

5.7.1 Operators may contact ARMA at the address below to request height monitoring:



AFI Regional Monitoring Agency Tel: +27 11 928 6506
Fax: +27 11 928 6546 E-mail: afirma@atns.co.za

Additional information is available on-line at www.atns.co.za/afi-rvsm

5.7.2 Air operators shall arrange for direct transmittal of height-keeping monitoring reports directly from ARMA to the Authority.

Approved on this 22nd Day of MAY 2018

Onkokame K. Mokaila
Minister
Ministry of Transport and Communications

Made on this 22nd Day of MAY 2018

Puseletso G. Moshabesha
Chief Executive Officer
Civil Aviation Authority of Botswana