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PARAMARIBO – SOUTH

04/05

REPUBLIC OF SURINAME

14 JAN 2005

**SUBJECT: Implementation of RVSM in the Upper Flight Information Region (UIR) of
(Paramaribo)**

1 WARNING

This AIC cancels and replace the AIC A02/04

Finally, air users will refer to additional NOTAMs that may be issued on the subject.

2 INTRODUCTION

A vertical separation minimum of 300 meters (1000 feet) between FL 290 and FL 410 inclusive, which is referred to as Reduced Vertical Separation Minimum (RVSM), will be implemented in the Upper Flight Information Region (UIR) of Paramaribo on 20 January 2005 at 09H01 UTC.

The implementation of RVSM in the Upper Flight Information Region (UIR) of Paramaribo will permit the use of six additional cruising levels between FL 290 and 410. The additional cruising levels will increase airspace capacity, provide more fuel-efficient flights profiles, and afford greater operational flexibility to air traffic control units responsible for the provision of air traffic control in the Paramaribo UIR. The cruising levels appropriate to the direction of flight in the Paramaribo UIR, as prescribed in the ICAD publication "*Rules of the Air, Annex 2 To The Convention On International Civil Aviation*", are illustrated in the Annex A.

The requirements for RVSM in the Paramaribo RVSM airspace are published in the ICAD document "*Regional Supplementary Procedures - Fourth Edition (Doc 7030/4 - SAM)*", which specifies:

- The area of applicability for RVSM airspace
- The means of compliance
- Flight planning requirements
- ATC clearance
- Special procedures for in flight contingency
- Controller/pilot radiotelephony phraseology

Effective 20 January 2005, the requirement for RVSM, will be applicable in the Paramaribo UIR. Detailed information on the ATS routes and associated flight level allocation, as well as entry/exit points, will be published in the AIP Suriname.

Definitions and descriptions of terms and phrases used in this Aeronautical Information Circular are contained in Annex B.

3 FLIGHT PLANNING

The purpose of this Aeronautical Information Circular is to:

Notify operators of the mandatory flight planning requirements for RVSM in the Upper Flight Information Region (UIR) of Paramaribo applicable from 20 January 2005 onward

Effective 20 January 2005, the vertical separation minimum applied by ATC between aircraft operating within the RVSM airspace of the Paramaribo UIR will be based upon the RVSM approval status of the aircraft, as contained in the filed flight plan. Consequently it is important than operators strictly adhere to the flight planning requirements for RVSM, as contained in Annex C,D,E, and F to this Aeronautical Information Circular.

4 **RVSM REQUIREMENTS - GENERAL**

Effective 20 January 2005, the following requirements will apply within the Paramaribo RVSM airspace:

- 1 Flights shall be conducted in accordance with instrument flight rules (IFR) when operated within or above the Paramaribo RVSM airspace
- 2 Only RVSM approved aircrafts, non-RVSM approved state aircraft and non-RVSM approved aircraft providing delivery, maintenance or humanitarian flights shall be issued an ATC clearance into the Paramaribo RVSM airspace
- 3 ATC clearance into the Paramaribo RVSM airspace shall not be issued to formation flights of civil aircraft
- 4 **IMPORTANT: Operators shall ensure that any change to the RVSM approval status of a flight resulting from a change of aircraft or flight crew is addressed in the form of a modification (CHG) or a cancellation (CNL) message, as appropriate**
- 5 Operators shall ensure that flight plans for aircraft intending to operate within the Paramaribo RVSM airspace from other FIR/UIR are also addressed to all appropriate ATS units concerned with the provision of air traffic services to the aircraft. The flight plans of these aircrafts shall be completed in accordance with the flight planning requirements for Paramaribo RVSM airspace, as described in this Aeronautical Information Circular.
- 6 Operators shall ensure that any change to the RVSM approval status of a flight due to a change of aircraft or flight crew is addressed to all appropriate ATS units located outside of the FIR/UIR Paramaribo, in the form of a modification (CHG) or a cancellation (CNL) message, as applicable.

5 **REFERENCE DOCUMENTS**

RVSM will be implemented in the Paramaribo FIR in accordance with ICAO regional agreements. ICAO recommends that State authorities and operators adopt either FAA Interim Guidance 91-RVSM (as amended), or JAA Temporary Guidance Leaflet 6 as the basis of approving aircraft and operators programs of RVSM. Current information and RVSM approval documents, including revisions, can be found on the web sites maintained by various organizations on behalf of the ICAO regional offices, GREPECAS and its subsidiary bodies. The following is a list of some of these sites:

- www.lima.icao.int
- <http://www.cgna.gov.br/carsam/Espanhol/index.htm> -
- <http://www.cgna.gov.br/carsam/Ingles/index.htm>
- www.faa.gov/ats/ato/rvsm1.htm

ICAO: Doc.7030/4-AFI/SAM, Part 1 Rules of the Air,
Air Traffic Services and Search and Rescue

ICAO : Doc.7030 Amendments AFI and SAM SUPPs

WACAF AFI/SAM 003; WACAF 001 and SAM 01/01

JAA : Temporary Guidance Leaflet on Approval of Aircraft and Operators for Flight in RVSM Airspace - TGL n06

FAA : Interim Guidance Leaflet on Approval of Operators/Aircraft for RVSM Operations. N°91-RVSM

OACI: Doc.9574-"Manual on Implementation of a 300m (1000ft) Vertical Separation Minimum between FL 290 and FL 410 inclusive"

Guidance Material on the Implementation of a 300m (1000ft) Vertical Separation Minimum (VSM) between FL 290 and FL 410 inclusive for application in the airspace of the Caribbean and South American Regions.

ANNEX A

Cruising Levels applicable in Paramaribo RVSM airspace

The Cruising Levels that will apply within the Paramaribo RVSM airspace, in accordance with ICAO Annex 2, Appendix 3 a), are illustrated below:

CRUISING LEVELS APPROPRIATE TO DIRECTION OF FLIGHT (FL 280 À FL 430)	
Track from 180 degrees to 359 degrees	Track from 000 degrees to 179 degrees
← FL 430	<i>(outside RVSM airspace)</i>
	FL 410 →
← FL 400	
	FL 390 →
← FL 380	
	FL 370 →
← FL 360	
	FL 350 →
← FL 340	
	FL 330 →
← FL 320	
	FL 310 →
← FL 300	
	FL 290 →
← FL 280	<i>(Outside RVSM airspace)</i>

ANNEX B

Definitions and Descriptions

Paramaribo RVSM airspace

RVSM shall be applicable in that volume of airspace between flight levels 290 and 410 inclusive in the Upper Flight Information Region (UIR) of Paramaribo.

General Air Traffic (GAT)

Flights conducted in accordance with the rules and procedures of ICAO and/or the national civil regulations and legislation.

Reduced Vertical Separation Minimum (RVSM)

Vertical separation minimum of 300 meters (1000 feet) applied between flight levels 290 and 410 inclusive, on the basis of

a regional air navigation agreement and in accordance with conditions specified therein.

RVSM Approval

Approval issued by the appropriate authority of the State in which the Operator is based, or of the state in which the aircraft is registered. To obtain such RVSM approval, Operators shall satisfy the said State that:

- 1 Aircrafts for which the RVSM approval is sought have the vertical navigation performance capability required for RVSM operations through compliance with the criteria of the RVSM Minimum Aircraft Systems Specifications (MASPS)
 - 2 They have instituted procedures in respect of continued airworthiness (maintenance and repair) practices and programmes
-
- 2 They have instituted flight crew procedures for operations within RVSM airspace

RVSM Approved aircraft

Aircraft that have received State approval for RVSM operations within RVSM airspace.

RVSM Entry Point

The first reporting point over which an aircraft passes or is expected to pass immediately before, upon, or immediately after initial entry point in Paramaribo RVSM airspace, normally the first reference point for applying a 300 m (1000 ft) vertical separation minimum between RVSM approved aircraft.

RVSM Exit Point

The last reporting point over which an aircraft passes or is expected to pass immediately before, upon, or immediately after leaving Paramaribo RVSM airspace, normally the last reference point for applying a 300 m (1000 ft) vertical separation minimum between RVSM approved aircraft.

State Aircraft

For the purpose of RVSM, only aircraft used in military, customs or police services shall qualify as State aircraft.

ANNEX C

Flight Planning Requirements for RVSM Approved Civil Aircraft

Effective 20 January 2005, the following flight planning requirements will apply to operators of RVSM approved civil aircraft to conduct flights within the Paramaribo RVSM airspace:

- 1 Operators of RVSM approved civil aircraft
 - a) Shall indicate the approval status by inserting the letter W in the Item 10 of the ICAO flight plan form, regardless of the requested flight level

 - b) Shall include the following in the Item 15 of the ICAO flight plan form:
 - The entry point at the lateral limits of the Paramaribo RVSM airspace and the requested flight level for that portion of the route commencing immediately after the RVSM entry point

 - The exit point at the lateral limits of the Paramaribo RVSM airspace and the requested flight level for that portion of the route commencing immediately after the RVSM exit point

*Note: the insertion of the letter W in the Item 10 of the ICAO flight plan form and/or the filing of other RVSM-related information does **not** imply that cruising levels which become effective on 20 January 2005 may be flight-planned or requested by the pilot **before** 20 January 2005.*

The following table illustrates the flight planning requirements for
RVSM approved civil aircraft

RVSM approved civil aircraft	Flight planning Requirements for Paramaribo RVSM
Operators of RVSM approved aircraft	<p>Insert the letter W in the Item 10 of the ICAO flight plan form, regardless of the requested flight level</p> <hr/> <p>Insert the following in Item 15 of the ICAO flight plan form:</p> <ul style="list-style-type: none"> - The entry point at the lateral limits of the Paramaribo RVSM airspace and. the requested flight level for that portion of the route commencing immediately after the RVSM entry point - The exit point at the lateral limits of the Paramaribo RVSM airspace and the requested flight level for that portion of the route commencing immediately after the RVSM exit point

ANNEX D

Flight Planning Requirements for Non-RVSM approved Civil Aircraft

Effective 20 January 2005, and except for non-RVSM approved aircraft providing flights mentioned in Annex G of this AIC, the following flight planning requirements will apply to operators of non-RVSM approved civil aircraft:

- 1 Operators of non-RVSM approved civil aircraft shall flight plan to operate outside the Paramaribo RVSM airspace
- 2 Operators of non-RVSM approved civil aircraft intending to operate from a departure aerodrome outside the lateral limits of the RVSM airspace to a destination aerodrome within the lateral limits of the Paramaribo RVSM airspace shall include the following in the Item 15 of the ICAO flight plan form:
 - a) The entry point at the lateral limits of the Paramaribo RVSM airspace.
 - b) A requested flight level below FL 290 for that portion of route commencing immediately after the entry point
- 3 Operators of non-RVSM approved civil aircraft intending to operate from a departure aerodrome to a destination aerodrome, both of which are within the lateral limits of the Paramaribo RVSM airspace, shall include in Item 15 of the ICAO flight plan form a requested flight level below FL 290
- 4 Operators of non-RVSM approved civil aircraft intending to operate from a departure aerodrome within the lateral limits of the Paramaribo RVSM airspace to a destination aerodrome outside the lateral limits of the RVSM airspace shall include the following in the Item 15 of the ICAO flight plan form:
 - a) A requested flight level below FL 290 for that portion of the route within the lateral limits of the Paramaribo RVSM airspace
 - b) The exit point at the lateral limits of the Paramaribo RVSM airspace and the requested flight level for that portion of the route commencing immediately after the exit point
- 5 Operators of non-RVSM approved civil aircraft intending to operate from a departure aerodrome to a destination aerodrome, both of which are outside the lateral limits of the Paramaribo RVSM airspace, with a portion of the route within the lateral limits of the Paramaribo RVSM airspace, shall include the following in the Item 15 of the ICAO flight plan form:
 - a) The entry point at the lateral limits of the Paramaribo RVSM airspace and a requested flight level below FL 290 or above FL 410 for that portion of the route commencing immediately after the entry point
 - b) The exit point at the lateral limits of the Paramaribo RVSM airspace and the requested flight level for that portion of the route commencing immediately after the exit point

The following table illustrates the flight planning requirements for

Non-RVSM approved civil aircraft

	Destination aerodrome within the lateral limits of the Paramaribo RVSM airspace	Destination aerodrome outside the lateral limits of the Paramaribo RVSM airspace
Departure aerodrome <u>within</u> the lateral limits of the Paramaribo RVSM airspace	In Item 15 of the ICAO flight plan form, insert a requested flight level below FL 290	In Item 15 of the ICAO flight plan form insert: - A requested flight level below FL 290 for that portion of the route within the lateral limits of the Paramaribo RVSM airspace - The exit point at the lateral limits of the Paramaribo RVSM airspace and the requested flight level for that portion of the route commencing immediately after the exit point
Departure aerodrome <u>outside</u> the lateral limits of the Paramaribo RVSM airspace	In Item 15 of the ICAO flight plan form insert: - The entry point at the lateral limits of the Paramaribo RVSM airspace. - A requested flight level below FL 290 for that portion of route commencing immediately after the entry point	In Item 15 of the ICAO flight plan form insert: - The entry point at the lateral limits of the Paramaribo RVSM airspace and a requested flight level below FL 290 or above FL 410 for that portion of the route commencing immediately after the entry point - The exit point at the lateral limits of the Paramaribo RVSM airspace and the requested flight level for that portion of the route commencing immediately after the exit point

Flight Planning Requirements for RVSM Approved State Aircraft

Effective date 20 January 2005, the following flight planning requirements will apply to operators of RVSM approved State aircraft intending to conduct flight within the Paramaribo RVSM airspace:

- 1 In addition to military operations, operators of customs or police aircraft shall insert the letter M in Item 8 of the ICAO flight plan form
- 2 Operators of RVSM approved State aircraft shall indicate the approval status by inserting the letter W in Item 10 of the ICAO flight plan form regardless of the requested flight level
- 3 Operators of formation flights of RVSM approved State aircraft
 - a) Shall not insert letter W in Item 10 of the ICAO flight plan form, regardless of the RVSM approval status of the aircraft concerned
 - b) Shall include "STS/NONRVSM" in Item 18 of the ICAO flight plan form, regardless of the RVSM approval status of the aircraft concerned
- 4 Operators of RVSM approved State aircraft shall include the following in the Item 15 of the ICAO flight plan form:
 - a) The entry point at the lateral limits of the Paramaribo RVSM airspace and the requested flight level for that portion of the route commencing immediately after the RVSM entry point
 - b) The exit point at the lateral limits of the Paramaribo RVSM airspace and the requested flight level for that portion of the route commencing immediately after the RVSM exit point

The following table illustrates the flight planning requirements for
RVSM approved State aircraft

RVSM Approved State Aircraft	Flight planning requirements for Paramaribo RVSM airspace
In addition to military operations, operators of customs or police aircraft	Insert the letter M in Item 8 of the ICAO flight plan
Operators of RVSM approved State aircraft (except for formation flights of State aircraft)	Insert the letter W in Item 10 of the ICAO flight plan form, regardless of the requested flight level
Operators of formation flights of State aircraft	Do not insert the letter W in Item 10 of the ICAO flight plan form, regardless of the RVSM approval status of the aircraft concerned Include STS/NONRVSM in Item 18 of the ICAO flight plan form, regardless of the <u>RVSM approval status of the aircraft concerned</u>
Operators of RVSM approved State aircraft	Include the following in the Item 15 of the ICAO flight plan form: - The entry point at the lateral limits of the Paramaribo RVSM airspace and the requested flight level for that portion of the route commencing immediately after the RVSM entry point - The exit point at the lateral limits of the Paramaribo RVSM airspace and the requested flight level for that portion of the route commencing immediately after the RVSM exit point

ANNEX F

Flight Planning Requirements for **Non-RVSM Approved State Aircraft**

Effective 20 January 2005, the following flight planning requirements will apply to operators of non-RVSM approved State aircraft intending to conduct flights within the Paramaribo RVSM airspace:

1 In addition to military operations, operators of customs or police aircraft shall insert the letter M in the Item 8 of the ICAO flight plan form

Note: Operators of non-RVSM approved State aircraft shall not insert the letter W in the Item 10 of the ICAO flight plan form

2 Operators of non-RVSM approved State aircraft shall insert "STS/NONRVSM" in the Item 18 of the ICAO flight plan form

3 Operators of formation flights of State aircraft

a) Shall not insert the letter W in the Item 10 of the ICAO flight plan form, regardless of the RVSM approval status of the aircraft concerned.

4 Operators of non-RVSM approved State aircraft shall include the following in the Item 15 of the ICAO flight plan form:

a) The entry point at the lateral limits of the Paramaribo RVSM airspace and the requested flight level for that portion of the route commencing immediately after the RVSM entry point

b) The exit point at the lateral limits of the Paramaribo RVSM airspace and the requested flight level for that portion of the route commencing immediately after the RVSM exit point

The following table illustrates the flight planning requirements for
Non-RVSM approved State aircraft

Non- RVSM Approved State Aircraft	Flight planning requirements for Paramaribo RVSM airspace
In addition to military operation, operators of customs or police Aircraft	Insert the letter M in Item 8 of the ICAO flight plan form
<i>Note: Operators of non-RVSM approved State aircraft shall not insert the letter W in the Item 10 of the ICAO flight plan form</i>	
operators of non-RVSM approved State aircraft (except formation flights)	Insert STS/NONRVSM in Item 18 of the ICAO flight plan form
Operators of formation flights of State	Do not insert the letter W in Item 10 of the ICAO flight plan form, regardless of the RVSM approval status of the aircraft concerned Include STS/NONRVSM in Item 18 of the ICAO flight plan form
Operators of non-RVSM approved State aircraft	Include the following in the Item 15 of the ICAO flight plan form: - The entry point at the lateral limits of the Paramaribo RVSM airspace and - The requested flight level for that portion of the route commencing immediately after the RVSM entry point

ANNEX G

Fight Planning Requirements for
Non-RVSM Approved Civil Aircraft providing maintenance, delivery or humanitarian flight

- 1 In the Paramaribo RVSM airspace, a non-RVSM approved civil aircraft providing maintenance, delivery or humanitarian flight and unable to fly to an appropriate destination at or below FL 280 and at or above FL 430, may flight plan at RVSM FL. Additionally, the flight must be the following requirements:
 - a) Delivery flight: the aircraft is being initially delivered to the state of registration
 - b) Maintenance flight: the aircraft was formerly RVSM approved but has experienced an equipment failure and is being flown to a maintenance facility for repair in order to meet RVSM requirement
 - c) Humanitarian: the aircraft is being utilized for mercy or humanitarian purpose
- 2 Aircraft operator requesting approval as above shall:
 - a) If departing within Paramaribo FIR, obtain approval from the Cayenne ACC normally not more than 12 hours and not less than 4 hours prior to the intended departure time. He has to notify this approval to next ACC concerned by the flight,
or
 - b) If transiting Paramaribo RVSM airspace, notify the Cayenne ACC after approval is received from the first affected ACC and prior to departure
 - c) Include the remark "STS/NONRVSM" in field 18 of the ICAO flight plan

Note: that filing of the flight plan is not appropriate notification

- 3 This approval process is intended exclusively for the purposes indicated above and not as a means to circumvent the normal RVSM approval process
- 4 Non-RVSM approved aircraft operating in the RVSM stratum will be separated from all other aircraft by a minimum 2000 feet vertical separation
- 5 Contact details for coordination are as follows:

TELEPHONE (597) 0325 203
AFTN SMPM ZQZX
FAX (597) 0325 453