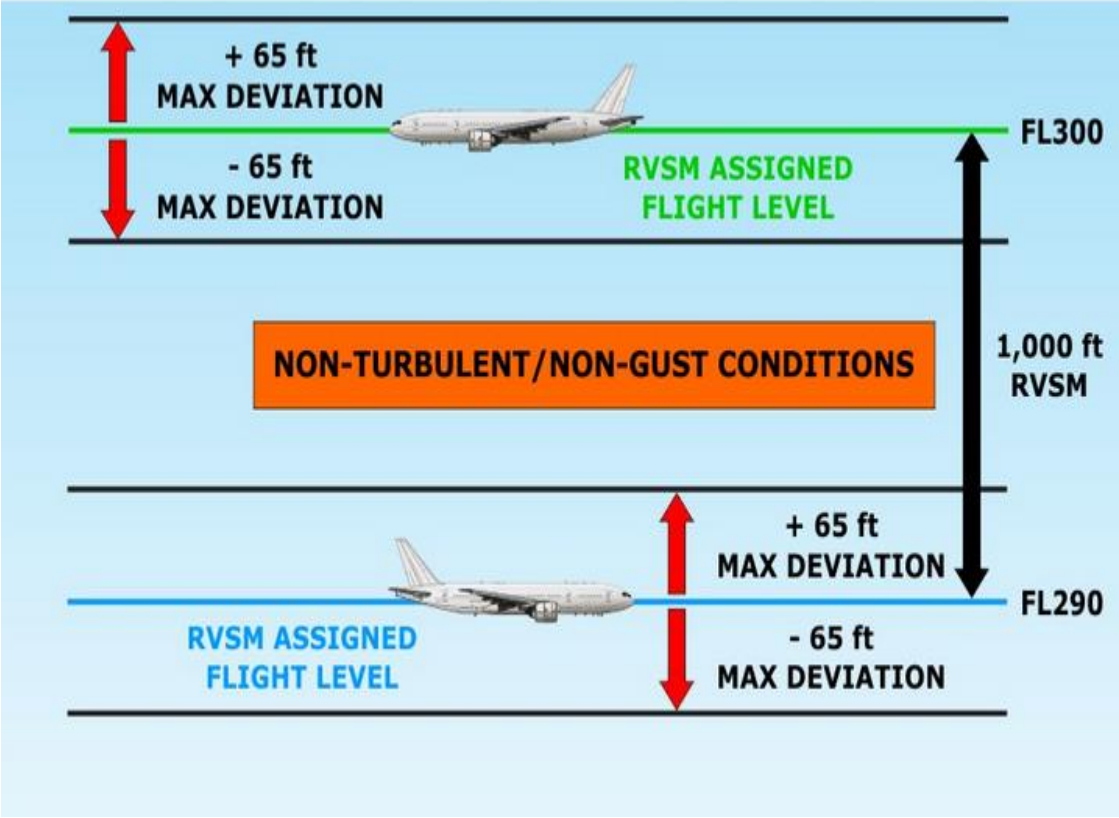
REFERENCES	ISSUE DATE	TITLE
Reg. (EU) No 965/2012 (As Amended)	5 October 2012	SPA.RVSM.100 RVSM operational approval
JAA TGL 6 Rev. 1	1-10-99	GUIDANCE MATERIAL ON THE APPROVAL OF AIRCRAFT AND OPERATORS FOR FLIGHT IN RVSM AIRSPACE
FAA Doc 91-RVSM	2/10/04	GUIDANCE MATERIAL ON THE APPROVAL OF OPERATORS/AIRCRAFT FOR RVSM OPERATIONS



1. Applicant / Operator			
Name			
Address			
Tel		**e-mail**	
Contact person			
Number of e-paravolo *(if applicable)* :			
Date of Submission :			

2. Aircraft			
Aircraft Type			
Aircraft S/N		**Aircraft Registration**	

PART 1 Airworthiness

(a) When verifying compliance with the applicable requirements of Subpart D of Annex V (SPA.RVSM), the competent authority should verify that:
(1) each aircraft holds an adequate RVSM airworthiness approval;

HCAA Note: Refer to AMC2 ARO.OPS.200 SPECIFIC APPROVAL PROCEDURE

3. Airworthiness

3.1 The RVSM type design approval is reflected in: (*)

Type Certificate	**Yes** ☐	**No** ☐	
Type Certificate Data sheet	**Yes** ☐	**No** ☐	
AFM	**Yes** ☐	**No** ☐	
Supplement type certificate	**Yes** ☐	**No** ☐	
AFM supplement	**Yes** ☐	**No** ☐	
Service Bulletin	**Yes** ☐	**No** ☐	
Other (specify)	**Yes** ☐	**No** ☐	

3.2 Approval basis for RVSM (*)

JAA TGL.6 Rev. 1	**Yes** ☐	**No** ☐	
FAA Doc 91-RVSM	**Yes** ☐	**No** ☐	
Other	**Yes** ☐	**No** ☐	

3.3 Aircraft Group Definition (*)

Category 1	**Yes** ☐	**No** ☐	
Category 2	**Yes** ☐	**No** ☐	

HCAA Note : *Refer to Table 1 of "RVSM MONITORING GROUPS AND MINIMUM MONITORING REQUIREMENTS AS OF: 17 June 2019 Version: 2019.0"*

3.4 Aircraft equipments for RVSM operations (*):

	Make	**Model**
Altitude measurement system		
SSR transponder		
Altitude alert system		
Automatic altitude control system		

3.5 Mode S Address (*)

Mode S Address in Hex (*) (for ex. 46BCDE) HCAA Note: As given by HCAA/D5	……
CRS of Transponder (*)	**Yes** ☐ **No** ☐
Test Report (*)	**Yes** ☐ **No** ☐

3.6 The approval of RVSM systems installation based on (*) :

Type design ☐	**JAA STC** ☐	**FAA STC** ☐	**Service Bulletin** ☐
Other ☐			

3.7 Maintenance program (*):

The operator should have an established maintenance program that contains all related maintenance requirements prescribed by the manufacturer for RVSM operations.

Yes ☐ **No** ☐

Last Air Data System check performed (*)	**Date of test**	……

HCAA Note: *The operator has to submit the last Air Data System check performed (CRS has to be submitted and attached to this Application Form)*		

***3.8 MEL* (*):**

The applicant MEL reflects system requirements appropriate for RVSM operations

Yes ☐ **No** ☐

HCAA Note : *Sections of Operator MEL regarding RVSM items has to be submitted*

4. Maintenance practices (**)

The applicant must establish procedures for continuing airworthiness practices covering the following subjects (Applicant should refer to manual reference –chapter)

4.1 During Pre-Flight particular attention should be paid to the condition of static sources and the condition of the fuselage skin near each static source and any other component that affects altimetry system accuracy.

Yes ☐ **No** ☐

4.2 Actions for non compliant aeroplane (down-grading - technical log entries – placarding - monitoring of defects - reliability reporting - etc)

Yes ☐ **No** ☐

4.3 Organisation to verify through training that aircraft engineers are aware of the causes of altimetry system errors as well as rectification and calibration procedures

Yes ☐ **No** ☐

HCAA Note:*Refer to ICAO EUR/NAT 11-0228*

5. Height monitoring

***5.1 Operator procedure to monitor appropriate number of fleet reflected in* (**):**

Ref: ……

Yes ☐ **No** ☐

HCAA Note :*Refer to "RVSM MONITORING GROUPS AND MINIMUM MONITORING REQUIREMENTS AS OF: 17 June 2019 /Version: 2019.0"*

***5.2 Aircraft has been monitored by HMU* (*)*?**	**Yes** ☐	**No** ☐

Part 2 Operation

Aircraft shall only be operated in designated airspace where a reduced vertical separation minimum of 300 m (1 000 ft) applies between flight level (FL) 290 and FL 410, inclusive, if the operator has been granted an approval by the competent authority to conduct such operations.

HCAA Note :Refer to SPA.RVSM.100 RVSM operations

6.1 Operation Manual

Does the Operation Manual mention the RVSM in the introduction paragraph of the Operations Manual Part A (**)?

Yes ☐ **No** ☐

Does the Organisation established procedures for monitoring and reporting height-keeping errors (**)?

Yes ☐ **No** ☐

Does the Organisation established a training programme for the flight crew members involved in these operations (**) ?

Yes ☐ **No** ☐

Does the Organisation established a training syllabi for initial and recurrent training programmes together with other relevant material (**)?

Yes ☐ **No** ☐

Does the operating procedures specify:

- the equipment to be carried, including its operating limitations and appropriate entries in the MEL(*);

Yes ☐ **No** ☐

- flight crew composition and experience requirements (**)

Yes ☐ **No** ☐

- flight planning (**);

Yes ☐ **No** ☐

- pre-flight procedures (**);

Yes ☐ **No** ☐

- procedures prior to RVSM airspace entry (**);

Yes ☐ **No** ☐

- in-flight procedures (**); **Yes** ☐ **No** ☐
- post-flight procedures (**); **Yes** ☐ **No** ☐
- incident reporting (**); **Yes** ☐ **No** ☐
- specific regional operating procedures (**). **Yes** ☐ **No** ☐
Does the Organisation Manuals contain a statement of the airspeeds, altitudes and weights considered in RVSM aircraft approval, including identification of any operating limitations or conditions established for that aircraft type (**). **Yes** ☐ **No** ☐
Where applicable, a minimum equipment list (MEL), adapted from the master minimum equipment list (MMEL), should include items pertinent to operating in RVSM airspace (*). **Yes** ☐ **No** ☐
Does the Organisation established a Plan for participation in verification/monitoring programmes (**) **Yes** ☐ **No** ☐
Does the Operation Manual refers to the Equipment: that must be checked "operational" prior entering RVSM-Airspace (**) ?: - Two independent altitude measurement systems; - One altitude alerting system; - One automatic altitude control system; - One altitude reporting SSR-Transponder, coupled to that altitude measuring system, that is in operation for altitude keeping. **Yes** ☐ **No** ☐
HCAA Note: *The List of circumstances that affects RVSM-capability of an aeroplane, shall contain at least the following:* *a) Failure of all automatic altitude–control systems* *b) Loss of redundancy of altimetry system* *c) Loss of engine-thrust requiring to descend* *d) Any failure of equipment affecting the ability to maintain cleared flight level* *e) Heavy turbulence affecting the altitude-keeping capability of the aircraft*
Does the Operation manual contains the regional operational procedures including normal-and contingency procedures, covering the operator`s whole area of operation as specified on the AOC (**)? • Europe (EUR) • North Atlantic (NAT) • Western Atlantic Route System (WATRS) • Northern Canadian Airspace (NAM) • Domestic United States (D-RVSM) • Pacific Region (ASIA /PAC) • Middle East (MID) **Yes** ☐ **No** ☐
6.2 Training
Does the RVSM-Training correctly integrated (**)? **Yes** ☐ **No** ☐
The RVSM-Training Module must contain comprehensive instruction of basic knowledge and operational procedures to get familiar with all aspects of operations within RVSM-Airspace (**). **Yes** ☐ **No** ☐
HCAA Note:*Refer to AMC2 SPA.RVSM.105 RVSM operational approval Par.(f)*
6.3 Flight Planning
For RVSM operations, instruction must be provided to the flight crew to review and verify the aircraft technical status reflected in the Techlog, to consult the aeroplanes Hold Item List (HIL), to verify the aeroplane dispatch status using the Minimum Equipment List (MEL) concerning RVSM-operation and en-route weather forecast for the detection of areas with heavy turbulence on the intended route (**). **Yes** ☐ **No** ☐
6.4 Pre-flight

Is there a procedure established and appropriately described, what equipment required for the operation in RVSM-Airspace has to be checked operational before entering RVSM-Airspace (**)? **Yes** ☐ **No** ☐
For RVSM operations, instruction must be provided to the flight crew to review and verify the aircraft technical status reflected in the Techlog, to consult the aeroplanes Hold Item List (HIL), to verify the aeroplane dispatch status using the Minimum Equipment List (MEL) (**) **Yes** ☐ **No** ☐
Aircraft External-Inspection: It shall be stated, that the external inspection procedure of the aeroplane shall focus on the skin-condition of the fuselage in the surrounding of the static sources and the condition of the static sources itself (**). **Yes** ☐ **No** ☐
The external inspection procedure shall contain all relevant equipment such as all static-ports, especially the condition of the fuselage skin around the static-ports (**). **Yes** ☐ **No** ☐
The equipment relevant for RVSM-Operations must be checked operational (**) **Yes** ☐ **No** ☐
6.5 Flight-Deck-Preparation:
Instruction shall be provided for a comparison check between the indication of the two primary altimeters to be within a tolerance of 75 ft for RVSM-Operation (**). **Yes** ☐ **No** ☐
6.6 In-Flight
Altimeter setting procedures must be observed and respective crosschecks shall be performed in hourly intervals. Altitude comparison-checks during level-flight shall be stated to be within ± 200 ft (**). **Yes** ☐ **No** ☐
Procedures to monitor the airplane's level-off maneuver and system capability at an assigned flight-level while using the automatic altitude-control system and the autopilot function (**). **Yes** ☐ **No** ☐
Monitoring procedures shall be described, ensuring that the altitude-alerting system is operative (**). **Yes** ☐ **No** ☐
Notification to the competent Air Traffic Control Centre about the loss of RVSM-capability by applying the respective phraseology (**) **Yes** ☐ **No** ☐
6.7 Post flight
Any malfunction affecting the RVSM-capability of the airplane, shall be recorded in detail in the Tech-log-System (**) **Yes** ☐ **No** ☐
6.8 Reporting
For altitude deviations during RVSM-Operations, height keeping errors, at least the following shall be stated to be reported (**) : -Total vertical error of ±300 ft -Altimeter system error of ±245 ft -Deviation from assigned altitude of ± 300 ft - During transition phase, overshooting or undershooting of a cleared flight level of more than 150 ft - The loss of RVSM-capability - The application of any contingency procedure - Any malfunction in the automatic height-keeping system; -Any malfunction in the altimetry system; - Any deficiency affecting the redundancy within the altitude measurement system. **Yes** ☐ **No** ☐

Documents to be submitted		
Note 1 : (*) Items marked with one asterisk the required evidence must be submitted for each aircraft applying for RVSM approval . **Note 2 : (**)** Items marked with two asterisks may not be submitted provided that the		

evidences required have been submitted to HCAA / D2 in a previous application for RVSM approval of the same type and have not been modified.		

7. Applicant Compliance statement

I hereby declare that all documentation and information submitted have been verified and found in compliance with Regulation (EC) No 1139/2018 , its Implementing Rules and all other applicable requirements / procedures.

Continuing Airworthiness Manager

(name) **(Signature)**
Date

CAMO Quality Manager

(name) **(Signature)**
Date

Flight Operation Manager

(name)

(Signature)
Date

Flight Training Manager

(name)

(Signature)
Date