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Maldives Civil Aviation Authority

Republic of Maldives

CAA Form 4040

NAVIGATION APPROVALS – RVSM – MNPS – RNP-10

APPLICATION FOR AN RVSM, MNPS OR RNP-10 OPERATIONAL APPROVAL/RENEWAL

Please complete the form in BLOCK CAPITALS using black or dark blue ink after reading the attached guidance.

This form is designed to elicit all the required information from those operators requiring **RVSM, MNPS** or **RNP-10** operational approval. Please complete those sections of the form relevant to the approvals required. Sections A and E should be completed in all cases. Completed forms should be submitted to the appropriate department of the Safety Regulation Group at the address listed in the 'Notes for Completion'.

Applicants are strongly advised to read the 'Notes for Completion' before completing the form.

Section A	Page 1	Operator/Airframe Details	Completion mandatory
Section B	Pages 2-3	RVSM Operational Approval	
Section C	Pages 3-4	MNPS Operational Approval	...
Section D	Page 4	RNP-10 Operational Approval	...
Section E	Pages 5-6	Signature Block/Notes	Completion mandatory
Section F	Page 7	Fleet Details Continuation Sheet	...
Section G	Page 8	Airworthiness Checklist	Completion mandatory

SECTION A OPERATOR/AIRFRAME DETAILS APPLICANT DETAILS – required for all Approval requests

1. Please give the official name and business or trading name(s), address, mailing address, e-mail address and contact telephone/fax numbers of the applicant.

AIRCRAFT DETAILS – required for all Approval requests

2. Aeroplane type(s), series, manufacturer(s) serial number(s), registration mark(s), mode "S" address code(s), date(s) of modification or certification of the airframe(s) for RVSM.

Aeroplane Type	Aeroplane Series	Manufacturer(s) Serial Number	Registration	Mode "S" Code (hex)	RVSM Modification/ Certification Date

CAA FORM 4040 – NOTES FOR COMPLETION

SECTION A – COMPLETION OF SECTION A IS MANDATORY FOR ALL APPLICATIONS Paragraph 1 – For AOC

holders - company name, AOC number and e-mail address will suffice.

Paragraph 2 – This information is required by both the State of Registry for the State RVSM Approvals database and by the verification and monitoring programme office(s) of the appropriate ICAO Region(s). Enter Mode 'S' code (if assigned) in hexadecimal format -see also paragraph 10.

SECTION B – RVSM APPROVAL

TGL 6 (rev1) is available on the Internet – see <http://www.ecacnav.com/rvsm/> (Note that this Web site contains much additional information about EUR-RVSM and has links to other RVSM regions Web sites).

Paragraph 3 – RVSM Operations have been conducted in the North Atlantic (NAT) region since 1997, in Europe (EUR) since 2001 and in the whole of North America (NAM) since early 2005. RVSM operations are now conducted in all the world's ICAO regions. Specific details regarding the areas of applicability within each region can be found in ICAO Doc 7030/4 – Regional Supplementary Procedures.

Paragraphs 4, 5, 7 and 8 – Details in these paragraphs are required so that the appropriate SRG specialists (flight operations inspectors, navigation policy desk, design and aircraft maintenance standards surveyors, etc.) are able to confirm the RVSM compliance data.

Paragraph 6 – Further investigation of Continued Airworthiness (Maintenance Procedures) **cannot** commence until such time as the information at Paragraph 6 has been provided. In addition to the information requested, amendments to your company JAR OPS – Maintenance Management Exposition or CAP 360 – Company Engineering Manual (when appropriate) may also have to be submitted and approved. These amendments must define the procedures to be followed for initial and continued RVSM approval and should be submitted to the relevant AMSD Regional Office in the normal manner.

Paragraph 9 – linked with paragraph 2. See TGL 6 or the AIC for further details. A major requirement of the verification and monitoring programmes is for the airframe details of an operator's RVSM approved fleet to be kept up-to-date

SECTION C – MNPS APPROVAL

Paragraphs 11, 12 and 13 – Details in these paragraphs are required so that the appropriate SRG specialists (flight operations inspectors, navigation policy desk, etc.) are able to confirm MNPS compliance.

Paragraph 14 – Suitable Long Range Navigation Equipment for NAT MNPS or RNP-10 airspace includes IRS/INS and certain GPS equipment. If the Long Range Nav Equipment has to work through an FMS this must also be included, together with details of the software version, if applicable.

An example of an acceptable entry would be:

"XXX (Model Number) Inertial Reference System with a YYY (Model Number) Flight Management Guidance Computer (where "XXX" and "YYY" represent the manufacturer's names). Inertial alignment limits are 60° South and 76° North latitudes. Software part number is (Part Number)."

Or

"ZZZ (Model Number) GPS Navigation System with a YYY (Model Number) FMS. Software part number is (Part Number)." Such an entry would need to be supported with documentation that shows that the GPS "engine" meets the specifications in FAA Notice 8110.60 or FAA Advisory Circular 20-138A, Annex A.

SECTION D – RNP-10 APPROVAL

Paragraphs 15 and 16 – Details in these paragraphs are required so that the appropriate SRG specialists (flight operations inspectors, navigation policy desk, etc.) are able to confirm RNP-10 compliance.

Paragraph 17 – Please include details in the format requested in Paragraph 14 above. Note: RNP-10 operations require the carriage of at least dual independent, long range navigation systems.

Paragraph 18 – The CAA will accept aircraft eligibility for RNP-10 operations either through RNP certification (Eligibility Group 1), or, through prior navigation system certification (Eligibility Group 2).

SUBMISSIONS AND ENQUIRIES

Address for submissions:

Flight Operations Section
Maldives Civil Aviation Authority
11th Floor, Velaanaage
Ameer Ahmed Magu, Male', 20096
Republic of Maldives

Tel: 3324983
Fax: 3323039
Email: safety@aviainfo.gov.mv
Web: www.caa.gov.mv

SECTION III SIGNATURE BLOCK

Signature:

Name (BLOCK LETTERS):

Appointment:

Date:

Please note that a **minimum** of 30 working days will normally be required to check and confirm the information given above - if data is missing or omitted the process may take **considerably** longer.

SECTION B RVSM OPERATIONAL APPROVAL

Refer to the accompanying Notes and “JAA Administrative and Guidance Material, Section 1 – General Guidance and Reference Material, Temporary Guidance Leaflet No 6, Revision 1”, and ICAO Doc 9574 for further guidance.

3. List those ICAO Regions for which this RVSM Operational Approval request is made. If the applicant wishes to operate in other than the European Region additional (navigation) approvals will be required. Please provide this additional navigation system and system operation information required in the MNPS and/or RNAV sections.

4. RVSM **Airworthiness** Documentation – Give reference(s) of relevant documentation which shows that the above airframes have been modified or certified to the RVSM Minimum Aircraft Systems Performance Specification (MASPS) on the dates given at 2.

5. RVSM Training Programmes, Operating Practices and Procedures – provide details of training for **engineering and maintenance staff**, please provide confirmation that training has been conducted - give references of relevant documentation.

6. Continued Airworthiness (Maintenance Procedures).

Provide references to specific documentation and processes designed to satisfy the requirements of the following sub-paragraphs in TGL 6 must be provided either here or as an appendix to this application.

10.1 General.....

10.2 Maintenance Programmes.....

10.3 Maintenance Documents.....

10.4 Maintenance Practices.....

Appendix 4, Training Programmes and Operating Practices and Procedures, paragraphs 3 and 6.....

7. Operations Manuals, **flight crew** training, crew notices – give reference(s) of details pertinent to RVSM operations in the proposed area(s) of operation. **Include with submission copies of relevant sections from Ops and Training Manuals.**

8. Minimum Equipment List – reference of MEL where RVSM operations are addressed.

9. Plan for Participation in Verification/Monitoring Programmes – As a minimum provide contact details of appropriate specialist (by name or by post-holder) who understands the requirements of, and the reason for, the programme. (See AIC 28/2003 (Yellow 100) for EUR RVSM requirements). This specialist will need to be aware of the requirements to advise the authority of fleet changes* as soon as they occur and will also need to be readily contactable should routine monitoring show aberrant or unacceptable height keeping performance of an airframe. *(A “fleet change” form is available – contact Flight Operations (Policy)).

10. What is your Proposed Date for the commencement of RVSM operations?

SECTION C MNPS OPERATIONAL APPROVAL

MNPS Approval can only be granted to operators who are already RVSM approved or who are applying concurrently for RVSM Approval. Refer to the accompanying notes and to the latest edition of “The MNPS Airspace Operations Manual” available on the Internet – excerpts from this manual could be used for an operator’s “operations manual”.

11. Operations Manuals, flight crew training, crew notices – give reference(s) of details pertinent to operations in NAT MNPS Airspace. **Include with submission copies of relevant sections from Ops and Training Manuals.**

12. Minimum Equipment List – reference of MEL where MNPS operations are addressed.

13. Give details of crew experience in NAT MNPS operations.

14. Long Range Navigation equipment details (See 'Notes for Completion', Para 14):

SECTION D RNP-10 OPERATIONAL APPROVAL

RNP-10 implementation is applied to those Oceanic/Remote phases of flight where ground based navigation aids do not normally exist. EASA recognises compliance with FAA Notice 8400-12A as a means of compliance

15. Operations Manuals, flight crew training, crew notices – give reference(s) of details pertinent to operations in RNP-10 airspace. **Include with submission copies of relevant sections from Ops and Training Manuals.**

16. Minimum Equipment List – reference of MEL where RNP-10 operations are addressed.

17. Long Range Navigation equipment details (See 'Notes for Completion', Para 14).

18. Give reference of confirmation of RNP-10 eligibility. **Include with submission copies of relevant sections**

SECTION V – CAA USE ONLY	
Signature, Operations Inspector	Signature, Airworthiness Inspector
Date:	Date: