

RVSM WEBSITE AND APPROVAL DOCUMENTS

FAA/Flight Standards

FAA RVSM Website

→ Address: <http://www.faa.gov/ats/ato/rvsm1.htm>

→ Links to the following web pages:

→ NAT RVSM

→ Asia/Pacific RVSM

→ WATRS RVSM

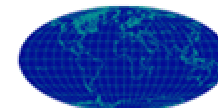
→ Europe RVSM

→ United States Domestic RVSM

→ Middle East RVSM

Website Objective

- Provide organized information to US operators and FAA inspectors
- Provide organized information to non-US operators and other State civil aviation authorities
 - Example: RVSM Approval Checklist - Non-US Operators



NAT
RVSM

Asia Pacific
RVSM

WATRS
RVSM

Domestic
RVSM

Europe
RVSM

Middle East
RVSM

The goal of RVSM is to reduce the vertical separation above flight level (FL) 290 from the current 2000-ft minimum to 1000-ft minimum. This will allow aircraft to safely fly more optimum profiles, gain fuel savings and increase airspace capacity. The process of safely changing this separation standard requires a study to assess the actual performance of airspace users under the current separation (2000-ft) and potential performance under the new standard (1000-ft). In 1988, the ICAO Review of General Concept of Separation Panel (RGCSP) completed this study and concluded that safe implementation of the 1000-ft separation standard was technically feasible

NAT RVSM

- Phase I: FL330-370 March 27, 1997
- Phase II: FL310-390 October 8, 1998
- Phase III: FL290-410 January 24, 2002

Asia Pacific RVSM

- Pacific:
FL 290-390 February 24, 2000
FL 290-410 October 5, 2000
*FL 410 is available for non-RVSM approved flights
- South China Sea:
February 21, 2002
- Asia-Europe South of the Himalayas:
November 27, 2003

WATRS RVSM

- Phase I: September 30, 2000
- Phase II: November 1, 2001

Europe RVSM

- January 24, 2002
- FL290-410



ICAO Asia-Pacific RVSM Task Force Meetings

- [Past Meetings](#)
- [RVSM/TF/14](#) *New!*
- [RVSM/TF/15](#) *New!*



[RVSM Status](#)
[World-wide](#)

RVSM Documentation



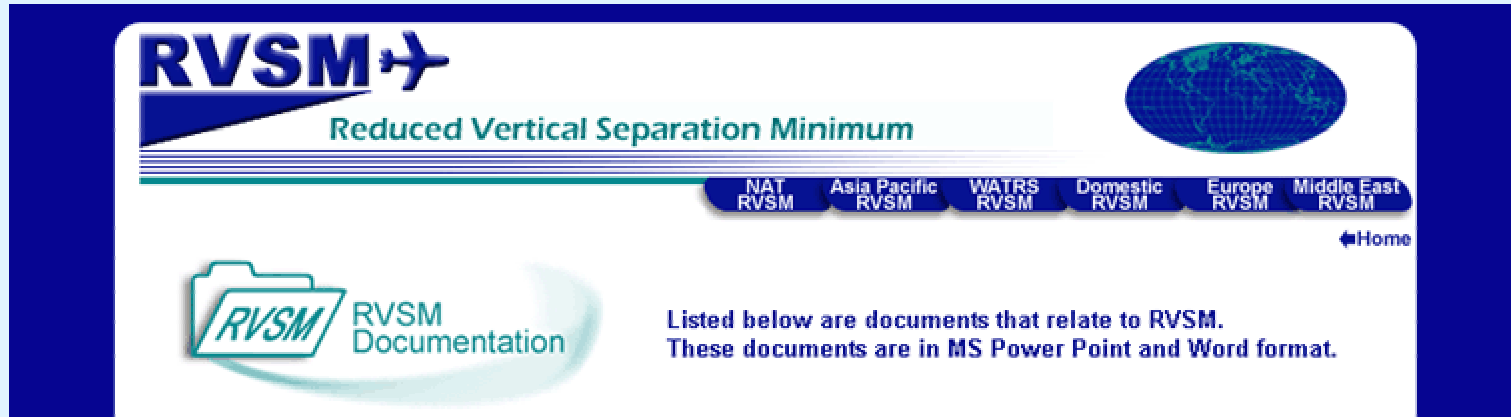
[Click here](#) for a list of briefings, guidance materials and working papers referencing RVSM.

Additional Information

For additional air traffic control related information on RVSM contact:

NAT/WATRS:
[Roger Kiely, ATP-130](#)
[Brian Throop, ATP-130](#)

RVSM Documentation Web Page



The screenshot shows the RVSM Documentation Web Page. At the top left is the RVSM logo with an airplane icon and the text "Reduced Vertical Separation Minimum". To the right is a globe icon. Below the logo is a navigation bar with buttons for "NAT RVSM", "Asia Pacific RVSM", "WATRS RVSM", "Domestic RVSM", "Europe RVSM", and "Middle East RVSM". A "Home" button with a left arrow is also present. Below the navigation bar is a folder icon labeled "RVSM Documentation". To the right of the folder icon, the text reads: "Listed below are documents that relate to RVSM. These documents are in MS Power Point and Word format."

Documents Applicable to All RVSM Approvals

- [RVSM Approval Checklist - US Operators \(01 May 02\)](#)
- [RVSM Approval Checklist - Non-US Operators \(01 May 02\)](#)
- [Dispatcher Guidance for RVSM Operations, Rev. 1 \(13 Mar 02\)](#)
- [Example Operator RVSM Application \(17 Feb 99\)](#)
- Interim Guidance Material on the Approval Of Operators/Aircraft for RVSM Operations 91-RVSM with Change 1 (30 Jun 99)(Complete RVSM Guidance Material with updated changes)
- Aircraft Engineering Packages: [Air Carriers \(08 Sep 01\)](#) / [General Aviation \(22 Jan 02\)](#)

RVSM Documentation Web Page (continued)

Documents Applicable to All RVSM Approvals (continued)

- [Points of Contact](#)
- [Master Minimum Equipment List \(MMEL\) for Reduced Vertical Separation Minimum \(RVSM\) Operations \(15 Aug 97\)](#)
- [Training Considerations for Using TCAS Version 6.04 and Version 7 in RVSM Airspace \(19 Mar 02\)](#)
- [TCAS II, Change 7 Modifications \(21 Mar 02\)](#) - Provides explanation of modifications to TCAS II when Change 7 is incorporated. Recommends that aircraft operating practices recommended for TCAS Version 6.04 be continued.
- [RVSM Area New to the Operator \(13 Mar 02\)](#)
- [FAA Regional RVSM Focal Points](#)
- [Flight Standards Handbook Bulletin for General Aviation \(HBGA\): "Letter of Authorization for Special Use Airspace" HBGA 99-22](#)

RVSM Documentation Web Page (continued)

North Atlantic

- [Minimum Monitoring Requirements: North Atlantic \(Including WATRS\) 29 Jan 02](#)
- [Implementation of RVSM above FL 290 in the North Atlantic Region](#)
- [Implementation of RVSM in the North Atlantic Region, AIC 80/9096 \(Jul 96\)](#)
- [NAT RVSM Aircraft Height Keeping Performance Monitoring Procedures \(May 01\)](#)
- [Expansion of the RVSM altitude stratum in the New York Oceanic FIR NOTAM \(Dec 01\)](#)

West Atlantic Route System (WATRS)

- [Minimum Monitoring Requirements: North Atlantic \(Including WATRS\) 29 Jan 02](#)
- [Aircraft/Operator Approval for WATRS RVSM Operations \(May 01\)](#)
- [NAT RVSM Aircraft Height Keeping Performance Monitoring Procedures \(May 01\)](#)
- [WATRS RVSM NOTAM - Operational Procedures \(Sep 01\)](#)
- [Strategic Lateral Offset Trial NOTAM \(26 Sep 01\)](#)

RVSM Documentation Web Page (continued)

Pacific

- [Approval Form for Operation of Unapproved State Aircraft - 23 Aug 00](#)
- [Asia-Pacific Minimum Monitoring Requirements \(24 Jan 02\)](#)
- [Contact Information for Coordination of Non-RVSM Compliant Aircraft Operations in Pacific Airspace \(04 Apr 00\)](#)
- [Operator Checklist: RVSM Operations in an Area New to the Operator \(01 Feb 00\)](#) - This paper highlights the policy and procedures that an operator that has been previously approved for RVSM in one area of operations (e.g. - North Atlantic) must address when starting RVSM operations in a different area of operations (e.g. - Pacific).
- [Aircraft/Operator Approval - Documents and Process \(15 Apr 01\)](#): Provides listing of related documents and their location on FAA websites

RVSM Documentation Web Page (continued)

Pacific (continued)

- [Asia-Pacific RVSM Guidance Material](#) - This document is intended to provide broad policy for RVSM implementation programs. For aircraft and operator approval requirements, it is recommended that the individual documents published on the "RVSM Documentation" and the "APARMO" section of this website be accessed.
- [Operational Policy/Procedures \(Dec 00\)](#)
- [Approval Process, Pacific CAA Contact List \(07 Jun 99\)](#)

European

- [U.S. Operators Requirements for European ACAS/Mode S Equipage Program](#)
- [FAA and European RVSM Aircraft and Operator Approval Documents \(26 Apr 02\)](#)

Documentation Page Format

- Documentation Page format will be updated in Sept
- Will break out documents related to Genral Aviation from those related to Large Transport operations
- Will place Inspector Bulletins and Regulations on Documentation page
- Will link to NAARMO page

GETTING STARTED ON RVSM APPROVAL

IMPORTANT DOCUMENTS

- RVSM Approval Checklist - Non-US Operators
(May 02)
- RVSM Approval Checklist - US Operators (May 02)
- Example Operator RVSM Application (17Feb 99)
- Interim Guidance 91-RVSM
 - Chapter 11: approval process overview
- Aircraft Engineering Packages
- Points of Contact - Aircraft Manufacturers

RVSM -US APPROVALS

- Checklist of RVSM Approval Events.
- “RVSM Approval Checklist - Non - US Approvals”:
- Checklist of items that an operator must address to obtain FAA RVSM authority
- Document contains references to applicable guidance documents

RVSM DOCUMENTATION

→ Overview of Operational Approval Process.

Read paragraph 11 of “Interim Guidance Material 91-RVSM.”

→ Example Operator RVSM Application.

Example format for the application document that the operator will submit to appropriate State authority to show compliance with RVSM requirements.

RVSM DOCUMENTATION

→ Aircraft Engineering Packages

Provides a listing of approved aircraft engineering packages for GA and commercial aircraft.

→ Aircraft Mftr Contacts.

Provides a listing of RVSM program contacts at various aircraft manufacturers

NAARMO

→ North American Approvals Registry and Monitoring Organization web page

→ www.tc.faa.gov/act-500/niaab/rvsm/naarmo_intro.asp

Access to FARs

→ <http://www.faa.gov>

- See “Regulatory/Advisory”
- See “Federal Aviation Regulations”
- See “Current Regulations”
- Scroll to Part 91
- See 91.706 and Appendix G (Operations in RVSM
Airspace)

Website/Document Work

- Publish 91-RVSM as Advisory Circular
- Update Aeronautical Information Manual and 91-RVSM with DRVSM operational policy and procedures
- Website: place Inspector Bulletins under RVSM Documentation
- Review and update all applicable documents

Conclusion

- FAA will continue to work to make RVSM website user friendly
- Website is a primary vehicle to inform operator community
- “RVSM Documentation” page provides information to US operators and to international aviation community