



ICAO

Doc 10063

Manual on Monitoring the Application of Performance-based Horizontal Separation Minima

First Edition, 2017



Approved by and published under the authority of the Secretary General

INTERNATIONAL CIVIL AVIATION ORGANIZATION

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AMENDMENTS

Amendments are announced in the supplements to the *Products and Services Catalogue*; the Catalogue and its supplements are available on the ICAO website at www.icao.int. The space below is provided to keep a record of such amendments.

RECORD OF AMENDMENTS AND CORRIGENDA

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FOREWORD

The International Civil Aviation Organization (ICAO) noted that some States and regions either had implemented or planned to implement horizontal separation minima in procedurally controlled airspace based on published performance-based operations requirements. It was also noted that these States and regions had developed procedures and practices to support the ongoing safety of these implementations.

The 2011 publication of the first edition of the manual entitled *Operating Procedures and Practices for Regional Monitoring Agencies in Relation to the Use of a 300 m (1 000 ft) Vertical Separation Minimum Between FL 290 and FL 410 Inclusive* (Doc 9937) provides guidance on the establishment of such procedures and practices to support the ongoing safe use of the reduced vertical separation minimum (RVSM). It was noted that there was no comparable ICAO-provided guidance for monitoring the application of performance-based horizontal separation minima. Hence, the ICAO Separation and Airspace Safety Panel (SASP) set out to develop a manual analogous to Doc 9937 as a means of assisting States and regions to standardize monitoring activities supporting performance-based horizontal separation minima.

This manual is the result of the SASP work, and should be considered to be supporting material to the *Safety Management Manual* (SMM) (Doc 9859). The proactive safety performance monitoring and measurement guidance provided in this manual can satisfy the safety assurance requirements provided in Annex 19 — *Safety Management* to the Convention on International Civil Aviation. In developing the material contained herein, the SASP relied upon the experience of experts from its Member States that had prior experience in developing relevant procedures and practices. It should be noted that Australia, New Zealand, Singapore and the United States have developed the *Asia/Pacific Region En-Route Monitoring Agency (EMA) Handbook*, and modified portions of that document are reproduced herein. Contributions by other regions, agencies and organizations are anticipated as the document matures and experience is gained.

In order to keep this manual relevant and accurate, suggestions for improving it in terms of format, content or presentation are welcome. Any such recommendation or suggestion will be examined and, if found suitable, will be included in regular updates to the manual. Regular revision will ensure that the manual remains both pertinent and accurate. Comments on this manual should be addressed to:

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