

**Doc 9863**  
**AN/461**



# **Airborne Collision Avoidance System (ACAS) Manual**

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Approved by the Secretary General  
and published under his authority

Second Edition — 2012

**International Civil Aviation Organization**

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Published in separate English, French, Russian and Spanish editions by the  
INTERNATIONAL CIVIL AVIATION ORGANIZATION  
999 University Street, Montréal, Quebec, Canada H3C 5H7

For ordering information and for a complete listing of sales agents  
and booksellers, please go to the ICAO website at [www.icao.int](http://www.icao.int)

*First edition 2006*  
*Second edition 2012*

**Doc 9863, *Airborne Collision Avoidance System (ACAS) Manual***  
Order Number: 9863  
ISBN 978-92-9231-952-6

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## AMENDMENTS

Amendments are announced in the supplements to the *Catalogue of ICAO Publications*; the Catalogue and its supplements are available on the ICAO website at [www.icao.int](http://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

This manual has been developed by the Surveillance and Conflict Resolution Systems Panel (SCRSP) (now known as the Aeronautical Surveillance Panel (ASP)). On 2 June 2005, the Air Navigation Commission approved Recommendation 1/2 of the first meeting of the SCRSP relating to the publication of this manual which is a compendium of information on various technical and operational aspects of the airborne collision avoidance system (ACAS).

The material contained in this manual supplements ACAS Standards and Recommended Practices (SARPs) and procedures contained in Annex 10 — *Aeronautical Telecommunications*, Volume IV — *Surveillance and Collision Avoidance Systems*, *Procedures for Air Navigation Services — Air Traffic Management* (PANS-ATM, Doc 4444) and *Procedures for Air Navigation Services — Aircraft Operations* (PANS-OPS, Doc 8168). Guidance provided in this manual includes a detailed description of ACAS and associated technical and operational issues in order to facilitate correct operation and operational monitoring, as well as training of personnel.

Like other manuals, this document will be amended as and when deemed necessary. In that respect, comments from States and other parties concerned with ACAS would be appreciated. Such comments should be addressed to:

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