

PRODUCTS & SERVICES CATALOGUE 2025

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Products and Services Catalogue

2025



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ABOUT ICAO

The International Civil Aviation Organization (ICAO) is a specialized agency of the United Nations and was created with the signing in Chicago, on 7 December 1944, of the *Convention on International Civil Aviation*. ICAO is the permanent body charged with the administration of the principles laid out in the Convention. It sets the standards for aviation safety, security, efficiency and regularity, as well as for aviation environmental protection.

ICAO's membership comprises 193 Member States. Its headquarters are in Montréal and it has regional offices in Bangkok, Cairo, Dakar, Lima, Mexico City, Nairobi and Paris.

The aims and objectives of ICAO, as contained in Article 44 of the Chicago Convention, are to develop the principles and techniques of international air navigation and to foster the planning and development of international air transport so as to:

- ensure the safe and orderly growth of international civil aviation throughout the world;
- encourage the arts of aircraft design and operation for peaceful purposes;
- encourage the development of airways, airports and air navigation facilities for international civil aviation;
- meet the needs of the peoples of the world for safe, regular, efficient and economical air transport;
- prevent economic waste caused by unreasonable competition;
- ensure that the rights of Member States are fully respected and that every Member State has a fair opportunity to operate international airlines;
- avoid discrimination between Member States;
- promote safety of flight in international air navigation; and
- promote generally the development of all aspects of international civil aeronautics.

The constitution of ICAO is the Convention on International Civil Aviation to which each ICAO Member State is a party. The Organization has a sovereign body, the Assembly, and a governing body, the Council. The chief officers are the President of the Council and the Secretary General.

The Assembly, composed of representatives from all Member States, meets every three years, reviewing in detail the complete work of the Organization and setting policy for the coming years. It also decides on a triennial budget.

The Council, composed of representatives from 36 States, is elected by the Assembly for a three-year term and provides continuing direction to the work of ICAO. One of the major duties of the Council is to adopt International Standards and Recommended Practices (SARPs) and to incorporate these into the Annexes to the *Convention on International Civil Aviation*. The Council is assisted by its subsidiary bodies (the Air Transport Committee, the Committee on Joint Support of Air Navigation Services, the Finance Committee, the Committee on Unlawful Interference, the Human Resources Committee and the Technical Cooperation Committee) and by the Air Navigation Commission.

The Secretariat, headed by the Secretary General, has five main divisions: the Air Navigation Bureau, the Air Transport Bureau, the Technical Cooperation Bureau, the Legal Affairs and External Relations Bureau, and the Bureau of Administration and Services.

ICAO works in close collaboration with other specialized agencies of the United Nations such as the International Maritime Organization, the International Telecommunication Union, and the World Meteorological Organization. The International Air Transport Association, the Airports Council International, the International Federation of Air Line Pilots' Associations, and other international organizations participate in many ICAO meetings.

ABOUT THE ICAO CATALOGUE

The main purpose of this Catalogue is as an ordering and reference guide to all the products and services provided by ICAO, see <https://www.icao.int/publications/pages/catalogue.aspx>.

This Catalogue is published in separate English, Arabic, Chinese, French, Russian and Spanish editions and contains the titles and prices of all ICAO saleable products. The Catalogue, also available in pdf at www.icao.int, indicates which language versions are available; these are abbreviated as follows:

E = English	A = Arabic	C = Chinese
F = French	R = Russian	S = Spanish

SUPPLEMENTS TO THE CATALOGUE

The Catalogue is kept up to date by Supplements which list new products and services as they become available, as well as amendments, supplements, corrigenda, etc. Supplements to the Catalogue are available at www.icao.int, under “Information Resources”, then click on “Publications” and select “Products and Services Catalogue”.

AMENDMENTS TO ICAO PUBLICATIONS

Certain ICAO publications are subject to amendment. These include Annexes to the Convention, Procedures for Air Navigation Services (PANS), Technical Manuals and the various parts of the *Training Manual*. These amendments, as well as supplements, corrigenda, etc., are announced in the Supplements to the Catalogue. Please note that some amendments are not yet available in all languages.

The prices of amendments and supplements are listed in the Catalogue and in the Supplements to the Catalogue. Please note that these prices apply *only when this material is purchased separately from the publication to which they apply*. When the publication itself is purchased, all existing applicable amendments, supplements, etc., are included free of charge at that time.

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Conventions and Related Acts

International conventions and acts of conferences relating to civil aviation.

CONVENTION ON INTERNATIONAL CIVIL AVIATION AND RELATED ACTS

Doc 7300 – *Convention on International Civil Aviation.*

Constitution of ICAO. This document contains the consolidated text of the Chicago Convention, incorporating all amendments in force.

Signed at Chicago on 7 December 1944 and amended by the ICAO Assembly.

9th edition, 2006. 116 pp.

Reprinted incorporating Corrigendum 1 (26/11/07) and Corrigendum 2 (3/12/10)

Quadrilingual: E/F/S/R

ISBN 978-92-9231-836-9

Order No. 7300

\$115.00

Doc 7500 – *International Air Services Transit Agreement.*

Signed at Chicago on 7 December 1944. 42 pp.

Trilingual: E/F/S

ISBN 978-92-9231-991-5

Order No. 7500

\$55.00

Doc 8970 – *Protocol Relating to an Amendment to the Convention on International Civil Aviation. (Article 50(a))*

This Protocol provides for the increase of the ICAO Council to 30 members.

Signed at New York on 12 March 1971. 4 pp.

Trilingual: E/F/S

Order No. 8970

\$19.00

Doc 8971 – *Protocol Relating to an Amendment to Article 56 of the Convention on International Civil Aviation. (Article 56)*

This Protocol provides for the increase of the Air Navigation Commission to 15 members.

Signed at Vienna on 7 July 1971. 3 pp.

Trilingual: E/F/S

Order No. 8971

\$18.00

Doc 9123 – *Protocol Relating to an Amendment to the Convention on International Civil Aviation. (Article 50(a))*

This Protocol provides for the increase of the ICAO Council to 33 members.

Signed at Montreal on 16 October 1974. 4 pp.

Trilingual: E/F/S

Order No. 9123

\$19.00

Doc 9208 – *Protocol Relating to an Amendment to the Convention on International Civil Aviation [Final paragraph, Russian Text].*

The subject of this Protocol is an amendment of the final paragraph of the Chicago Convention to provide for the existence of the authentic text of the Convention in the Russian language.

Signed at Montreal on 30 September 1977. 8 pp.

Quadrilingual: E/F/R/S

Order No. 9208

\$19.00

Conventions and Related Acts

Doc 9217 – Protocol on the Authentic Quadrilingual Text of the Convention on International Civil Aviation.

The subject of this Protocol is the adoption of the authentic Russian text of the Chicago Convention and its amendments in force as at 30 September 1977, annexed to the Protocol.

Signed at Montreal on 30 September 1977. 25 pp.

Quadrilingual: E/F/R/S

Order No. 9217

\$48.00

Doc 9318 – Protocol Relating to an Amendment to the Convention on International Civil Aviation. (Article 83 bis)

The subject of this Protocol is the transfer of certain safety-related functions and duties from the State of Registry to the State of the Operator in case of lease, charter or interchange of aircraft.

Signed at Montreal on 6 October 1980. 8 pp.

Quadrilingual: E/F/R/S

Order No. 9318

\$19.00

Doc 9436 – Protocol Relating to an Amendment to the Convention on International Civil Aviation. (Article 3 bis)

The subject of this Protocol is the non-use of weapons against civil aircraft in flight.

Signed at Montreal on 10 May 1984. 15 pp.

Quadrilingual: E/F/R/S

Order No. 9436

\$14.00

Doc 9544 – Protocol Relating to an Amendment to the Convention on International Civil Aviation. (Article 56)

This Protocol provides for the increase of the Air Navigation Commission to 19 members.

Signed at Montreal on 6 October 1989. 8 pp.

Quadrilingual: E/F/R/S

Order No. 9544

\$19.00

Doc 9561 – Protocol Relating to an Amendment to the Convention on International Civil Aviation. (Article 50(a))

This Protocol provides for the increase of the ICAO Council to 36 members.

Signed at Montreal on 26 October 1990. 10 pp.

Quadrilingual: E/F/R/S

Order No. 9561

\$19.00

Doc 9663 – Protocol on the Authentic Quinquelingual Text of the Convention on International Civil Aviation (Chicago, 1944).

The subject of this Protocol is the adoption of the authentic Arabic text of the Chicago Convention and its amendments, in force as at 29 September 1995, annexed to the Protocol.

Signed at Montreal on 29 September 1995. 56 pp.

Multilingual: E/F/R/S/A

Order No. 9663

\$66.00

Doc 9664 – Protocol Relating to an Amendment to the Convention on International Civil Aviation [Final paragraph, Arabic Text].

The subject of this Protocol is an amendment of the final paragraph of the Chicago Convention to provide for the existence of the authentic text of the Convention in the Arabic language.

Signed at Montreal on 29 September 1995. 10 pp.

Multilingual: E/F/R/S/A

ISBN 978-92-9249-319-6

Order No. 9664

\$19.00

Doc 9721 – Protocol on the Authentic Six-Language Text of the Convention on International Civil Aviation (Chicago, 1944).

The subject of this Protocol is the adoption of the authentic Chinese text of the Chicago Convention and its amendments, in force as at 1 October 1998, annexed to the Protocol.

Signed at Montreal on 1 October 1998. 56 pp.

Multilingual: E/F/S/R/A/C

Order No. 9721

\$70.00

Doc 9722 – Protocol Relating to an Amendment to the Convention on International Civil Aviation [Final paragraph, Chinese Text].

The subject of this Protocol is an amendment of the final paragraph of the Chicago Convention to provide for the existence of the authentic text of the Convention in the Chinese language.

Signed at Montreal on 1 October 1998. 12 pp.

Multilingual: E/F/S/R/A/C

Order No. 9722

\$19.00

Doc 10076 – Protocol Relating to an Amendment to the Convention on International Civil Aviation. (Article 56)

This Protocol provides for the increase of the Air Navigation Commission to 21 Members.

Signed at Montréal on 6 October 2016.

Multilingual :E/A/C/F/R/S

ISBN 978-92-9258-101-5

Order No. 10076

\$30.00

Doc 10077 – Protocol Relating to an Amendment to the Convention on International Civil Aviation. (Article 50(a))

This Protocol provides for the increase of the ICAO Council to 40 Members.

Signed at Montréal on 6 October 2016.

Multilingual: E/A/C/F/R/S

ISBN 978-92-9258-102-2

Order No. 10077

\$30.00

INTERNATIONAL CONVENTIONS AND PROTOCOLS

Conventions

Doc 7364 – Convention on Damage Caused by Foreign Aircraft to Third Parties on the Surface.

Signed at Rome on 7 October 1952. 20 pp.

Trilingual: E/F/S

ISBN 92-9194-261-8

Order No. 7364

\$31.00

Doc 7620 – Convention on the International Recognition of Rights in Aircraft.

Signed at Geneva on 19 June 1948. 11 pp.

Trilingual: E/F/S

Order No. 7620

\$19.00

Doc 8181 – Convention, Supplementary to the Warsaw Convention, for the Unification of Certain Rules Relating to International Carriage by Air Performed by a Person Other than the Contracting Carrier.

Signed at Guadalajara on 18 September 1961. 6 pp.

Trilingual: F/E/S

Order No. 8181

\$19.00

Conventions and Related Acts

Doc 8364 – Convention on Offences and Certain Other Acts Committed on Board Aircraft.

Signed at Tokyo on 14 September 1963. 20 pp.

Trilingual: E/F/S

ISBN 92-9194-163-8

Order No. 8364

\$23.00

Doc 8920 – Convention for the Suppression of Unlawful Seizure of Aircraft.

Signed at The Hague on 16 December 1970. 19 pp.

Quadrilingual: E/F/R/S

ISBN 978-92-9231-177-3

Order No. 8920

\$29.00

Doc 8966 – Convention for the Suppression of Unlawful Acts against the Safety of Civil Aviation.

Signed at Montreal on 23 September 1971. 28 pp.

Quadrilingual: E/F/R/S

ISBN 978-92-9231-326-5

Order No. 8966

\$35.00

Doc 9571 – Convention on the Marking of Plastic Explosives for the Purpose of Detection.

Done at Montreal on 1 March 1991.

2nd edition, 2007. 52 pp. Incorporates amendments to the Technical Annex in force as of 19 December 2005.

Multilingual: E/F/R/S/A

ISBN 92-9194-901-9

Order No. 9571

\$64.00

Doc 9740 – Convention for the Unification of Certain Rules for International Carriage by Air.

Done at Montreal on 28 May 1999. 114 pp.

Multilingual: E/F/S/R/C/A

Order No. 9740

\$147.00

Supplement No. 2. 12 pp.

Multilingual: E/F/S/R/C/A

Order No. 9740/M6/02

\$19.00*

Doc 9793 – Convention on International Interests in Mobile Equipment.

Signed at Cape Town on 16 November 2001. 188 pp.

Multilingual: E/F/S/R/C/A

ISBN 978-92-9231-896-3

Order No. 9793

\$233.00

Doc 9919 – Convention on Compensation for Damage Caused by Aircraft to Third Parties.

Signed at Montréal on 2 May 2009. 88 pp.

Multilingual: E/F/S/R/C/A

ISBN 978-92-9231-366-1

Order No. 9919

\$110.00

Doc 9920 – Convention on Compensation for Damage to Third Parties, Resulting from Acts of Unlawful Interference Involving Aircraft.

Signed at Montréal on 2 May 2009. 160 pp.

Multilingual: E/F/S/R/C/A

ISBN 978-92-9231-367-8

Order No. 9920

\$189.00

Doc 9960 – Convention on the Suppression of Unlawful Acts Relating to International Civil Aviation.

Done at Beijing on 10 September 2010. 94 pp.

Multilingual: E/F/S/R/C/A

ISBN 978-92-9231-777-5

Order No. 9960

\$105.00

Protocols

Doc 7632 – Protocol to Amend the Convention for the Unification of Certain Rules Relating to International Carriage by Air Signed at Warsaw on 12 October 1929.

Signed at The Hague on 28 September 1955. 15 pp.

Trilingual: F/E/S

Order No. 7632

\$19.00

Doc 8932 – Protocol to Amend the Convention for the Unification of Certain Rules Relating to International Carriage by Air Signed at Warsaw on 12 October 1929 as Amended by the Protocol Done at The Hague on 28 September 1955.

Signed at Guatemala City on 8 March 1971.

2nd edition, incorporating the authentic text of the Protocol in the Russian language as approved by the Council of ICAO on 9 October 1975. 27 pp.

Quadrilingual: F/E/S/R

Order No. 8932

\$37.00

Procès-verbal of rectification (31/5/83)

Order No. 8932/Q/01

FREE

Doc 9145 – Additional Protocol No. 1 to Amend the Convention for the Unification of Certain Rules Relating to International Carriage by Air Signed At Warsaw on 12 October 1929.

Signed at Montreal on 25 September 1975. 15 pp.

Quadrilingual: F/E/R/S

Order No. 9145

\$19.00

Doc 9146 – Additional Protocol No. 2 to Amend the Convention for the Unification of Certain Rules Relating to International Carriage by Air Signed at Warsaw on 12 October 1929 as Amended by the Protocol Done at The Hague on 28 September 1955.

Signed at Montreal on 25 September 1975. 15 pp.

Quadrilingual: F/E/R/S

Order No. 9146

\$32.00

Doc 9147 – Additional Protocol No. 3 to Amend the Convention for the Unification of Certain Rules Relating to International Carriage by Air Signed at Warsaw on 12 October 1929 as Amended by the Protocols Done at The Hague on 28 September 1955 and at Guatemala City on 8 March 1971.

Signed at Montreal on 25 September 1975. 15 pp.

Quadrilingual: F/E/R/S

Order No. 9147

\$19.00

Doc 9148 – Montreal Protocol No. 4 to Amend the Convention for the Unification of Certain Rules Relating to International Carriage by Air Signed at Warsaw on 12 October 1929 as Amended by the Protocol Done at The Hague on 28 September 1955.

Signed at Montreal on 25 September 1975. 28 pp.

Quadrilingual: F/E/R/S

Order No. 9148

\$35.00

Doc 9257 – Protocol to Amend the Convention on Damage Caused by Foreign Aircraft to Third Parties on the Surface Signed at Rome on 7 October 1952.

Signed at Montreal on 23 September 1978. 32 pp.

Quadrilingual: E/F/R/S

ISBN 92-9194-260-X

Order No. 9257

\$48.00

Conventions and Related Acts

Doc 9518 – Protocol for the Suppression of Unlawful Acts of Violence at Airports Serving International Civil Aviation, Supplementary to the Convention for the Suppression of Unlawful Acts against the Safety of Civil Aviation, Done at Montreal on 23 September 1971.

Signed at Montreal on 24 February 1988. 15 pp.

Quadrilingual: E/F/R/S

ISBN 92-9194-203-0

Order No. 9518

\$19.00

Doc 9794 – Protocol to the Convention on International Interests in Mobile Equipment on Matters specific to Aircraft Equipment.

Signed at Cape Town on 16 November 2001. 130 pp.

Multilingual: E/F/S/R/C/A

ISBN 978-92-9231-897-0

Order No. 9794

\$160.00

Doc 9795 – Consolidated Text of the Convention on International Interests in Mobile Equipment and the Protocol to the Convention on International Interests in Mobile Equipment on Matters Specific to Aircraft Equipment, Signed at Cape Town on 16 November 2001. Attachment to Resolution No. 1 of the Final Act of the Cape Town Diplomatic Conference.

2002. 250 pp.

Multilingual: E/F/S/R/C/A

ISBN 978-92-9231-898-7

Order No. 9795

\$287.00

Doc 9959 – Protocol Supplementary to the Convention for the Suppression of Unlawful Seizure of Aircraft.

Done at Beijing on 10 September 2010. 94 pp.

Multilingual: E/F/S/R/C/A

ISBN 978-92-9231-781-2

Order No. 9959

\$113.00

Doc 10034 – Protocol to Amend the Convention on Offences and Certain Other Acts Committed on Board Aircraft.

This Protocol amends the *Convention on Offences and Certain Other Acts Committed on Board Aircraft* (Tokyo Convention, 1963) by improving the ability of States to expand jurisdiction over relevant offences and acts of unruly behaviour, and by expressly extending legal recognition and protections to in-flight security officers.

Done at Montréal on 4/4/14. 100 pp.

Multilingual: E/F/S/R/C/A

ISBN 978-92-9249-565-7

Order No. 10034

\$122.00

Agreements and Arrangements

International and multilateral agreements and arrangements which have a direct bearing on the work of the Organization, including agreements between ICAO and other international organizations.

INTERNATIONAL AND MULTILATERAL AGREEMENTS

Doc 7695 – *Multilateral Agreement on Commercial Rights of Non-Scheduled Air Services in Europe.*

Signed at Paris on 30 April 1956. 8 pp.

Trilingual: E/F/S

Order No. 7695

\$19.00

Doc 8056 – *Multilateral Agreement relating to Certificates of Airworthiness for Imported Aircraft.*

Signed at Paris on 22 April 1960. 12 pp.

Trilingual: E/F/S

Order No. 8056

\$19.00

JOINT FINANCING AGREEMENTS

Doc 9585 – *Agreement on the Joint Financing of Certain Air Navigation Services in Greenland (1956) as amended in 1982 and 2008.*

March 2010. 36 pp.

E, A, F, R, S

ISBN 978-92-9231-455-2

Order No. 9585

\$52.00

Annexes II and III (updated 1/1/20)

Order No. 9585/E/05

\$24.00*

Annex I – The Services (updated 1/1/20)

Order No. 9585/ANNEX/01

\$30.00*

Doc 9586 – *Agreement on the Joint Financing of Certain Air Navigation Services in Iceland (1956) as amended in 1982 and 2008.*

March 2010. 40 pp.

E, A, F, R, S

ISBN 978-92-9231-456-9

Order No. 9586

\$52.00

Annexes II and III (updated 1/1/20)

Order No. 9586/E/05

\$24.00*

Annex I – The Services (updated 1/1/20)

Order No. 9586/ANNEX/01

\$26.00*

* Free with purchase of corresponding document.

AGREEMENTS BETWEEN ICAO AND OTHER ORGANIZATIONS

Doc 7475 – *Working Arrangements between the International Civil Aviation Organization and the World Meteorological Organization.*

Approved by the Council of ICAO and the Executive Committee of WMO on 21 May 1953 and 23 October 1953 respectively, for implementation on 1 January 1954.

2nd edition, 1963. 11 pp.

E, F, S

Order No. 7475

\$18.00

Doc 7970 – *Agreement between the United Nations and the International Civil Aviation Organization.*

Reproduced from the United Nations publication entitled “Agreements between the United Nations and the Specialized Agencies”. 36 pp.

Bilingual: E/F

Order No. 7970

\$49.00

ICAO Rules of Procedure and Administrative Regulations

Publications containing the rules of procedure approved for the use of the various recognized deliberative bodies of ICAO, directives to ICAO meetings and ICAO administrative regulations.

Doc 7231 – ICAO Publications Regulations.

This booklet explains the various kinds of publications and the authority under which each is issued. The format and the languages in which publications are issued, pricing and distribution policy, and copyright issues are also explained.

15th edition, 2020. 18 pp.

E, A, C, F, R, S

ISBN 978-92-9258-861-8

Order No. 7231

\$31.00

Doc 7515 – The ICAO Financial Regulations.

17th edition, 2023. 34 pp.

E, A, C, F, R, S

ISBN 978-92-9265-992-9

Order No. 7515

\$31.00

Doc 7559 – Rules of Procedure for the Council.

11th edition, 2022. 62 pp.

E, A, C, F, R, S

ISBN 978-92-9265-587-7

Order No. 7559

\$62.00

Doc 7600 – Standing Rules of Procedure of the Assembly of the International Civil Aviation Organization.

Adopted by the Assembly in 1952 and amended by the Assembly in 1953, 1959, 1962, 1971, 1974, 1977, 1980, 1989, 2007, 2010 and 2013.

8th edition, 2014. 32 pp.

E, A, C, F, R, S

ISBN 978-92-9249-389-9

Order No. 7600

\$36.00

Doc 7782 – Rules for the Settlement of Differences.

This document contains the rules governing the settlement of disagreements between ICAO Member States which may be referred to the ICAO Council in relation to the interpretation or application of the Chicago Convention and its Annexes, the International Air Services Transit Agreement and the International Air Transport Agreement.

2nd edition, 1975. 12 pp.

E, A, C, F, R, S

Order No. 7782

\$18.00

Doc 7984 – Directives for Panels of the Air Navigation Commission.

6th edition, 2024. 34 pp.

E, A, F, R, S

ISBN 978-92-9275-262-0

Order No. 7984

\$30.00

ICAO Rules of Procedure and Administrative Regulations

Doc 7986 – Directives of the Council concerning the Conduct of ICAO Meetings.

15 May 1959. 7 pp.

E, F, R, S

ISBN 978-92-9231-957-1

Order No. 7986

\$18.00

Doc 8143 – Directives to Divisional-type Air Navigation Meetings and Rules of Procedure for their Conduct.

3rd edition, 1983. 28 pp.

E, F, R, S

ISBN 978-92-9231-958-8

Order No. 8143

\$35.00

Doc 8144 – Directives to Regional Air Navigation Meetings and Rules of Procedure for their Conduct.

6th edition, 1991. 32 pp.

E, A, F, R, S

Order No. 8144

\$37.00

Doc 8146 – Rules of Procedure for Standing Committees of the Council.

7th edition, 2022. 30 pp.

E, A, C, F, R, S

ISBN 978-92-9265-661-4

Order No. 8146

\$31.00

Doc 8229 – Rules of Procedure for the Air Navigation Commission.

2nd edition, 1975. 10 pp.

E, F, R, S

ISBN 978-92-9231-987-8

Order No. 8229

\$19.00

Doc 8683 – Standing Rules of Procedure for Meetings in the Air Transport Field.

(World-wide Conferences and Division Sessions.)

1967. 15 pp.

E, A, F, R, S

ISBN 978-92-9231-299-2

Order No. 8683

\$18.00

Doc 9482 – Directives for Panels of the Air Transport Committee and the Aviation Security Committee.

3rd edition, 2021. 22 pp.

E, A, C, F, R, S

ISBN 978-92-9265-581-5

Order No. 9482

\$26.00

Annexes to the Convention on International Civil Aviation

International Standards and Recommended Practices adopted by the Council in accordance with Articles 54, 37 and 90 of the Convention on International Civil Aviation. Associated with the Standards and Recommended Practices, which for convenience are designated as Annexes to the Convention, are explanatory forewords, notes and, in some cases, additional guidance material, approved by the Council for inclusion within the covers of the individual Annexes and intended to assist in the implementation of the Standards and Recommended Practices.

Note 1.— Annexes are also available online by subscription. See Subscriptions/Digital Products section.

Note 2.— Corrigenda and addenda listed in this English edition of the Catalogue do not necessarily apply to the other language versions of the same publication.

Note 3.— The Annexes carry Supplements listing the differences which Member States have informed ICAO exist between their regulations and practices and the corresponding international Standards and Recommended Practices.

Note 4.— Annexes are also available digitally.

Annex 1 – Personnel Licensing.

14th edition, July 2022. 156 pp.

E, A, C, F, R, S

ISBN 978-92-9265-732-1

Order No. AN 1

\$137.00

Amendment 179 (applicable 28/11/24; 26/11/26)

Order No. AN 1/AMEND/179/E \$12.00*

Annex 2 – Rules of the Air.

The rules in Annex 2 consist of general rules, visual flight rules and instrument flight rules and apply without exception over the high seas and over national territories to the extent that they do not conflict with the rules of the State being overflown.

11th edition, July 2024. 104 pp.

E, A, C, F, R, S

ISBN 978-92-9275-359-7

Order No. AN 2

\$174.00

Annexes to the Convention on International Civil Aviation

Annex 3 – Meteorological Service for International Air Navigation.

Part I – Core SARPs.

Part II – Appendices and Attachments.

This Annex comprises the Standards, Recommended Practices and certain guidance material governing the provision of meteorological services to international air navigation.

20th edition, incorporating Amendments 1–78. July 2018. 218 pp.

E, A, C, F, R, S

ISBN 978-92-9258-482-5

Order No. AN 3

\$184.00

Amendment 77-B (applicable 5/11/20)

Order No. AN 3/E/22

\$12.00*

Corrigendum 1 (30/11/18)

Order No. AN 3/E/24

FREE

Amendment 79 (applicable 5/11/20; 4/11/21)

Order No. AN 3/E/25

\$78.00*

Amendment 80 (applicable 4/11/21)

Order No. AN 3/E/26

\$18.00*

Amendment 81 (applicable 28/11/24)

Order No. AN 3/AMEND/81/E

\$15.00*

Annex 4 – Aeronautical Charts.

The Standards and Recommended Practices applicable to Aeronautical Charts.

11th edition, July 2009. 166 pp.

Reprinted, incorporating Amendments 1–59.

E, A, C, F, R, S

ISBN 978-92-9258-225-8

Order No. AN 4

\$143.00

Amendment 60 (applicable 8/11/18)

Order No. AN 4/E/15

\$19.00*

Amendment 61 (applicable 4/11/21)

Order No. AN 4/E/16

\$20.00*

Amendment 62 (applicable 28/11/24)

Order No. AN 4/AMEND/62/E

\$12.00*

Annex 5 – Units of Measurement to be Used in Air and Ground Operations.

This Annex comprises the Standards and Recommended Practices for dimensional units to be used in air and ground operations. The Annex deals with the standard application of units of measurement and termination of the use of non-SI units. Attachments to the Annex contain material describing the development of the International System of Units (SI) and guidance on the application of the SI, conversion factors, Coordinated Universal Time (UTC), and presentation of date and time in all-numeric form.

5th edition, incorporating Amendments 1–17. July 2010. 56 pp.

E, A, C, F, R, S

ISBN 978-92-9231-512-2

Order No. AN 5

\$49.00

Annex 6 – Operation of Aircraft.

Part I – International Commercial Air Transport – Aeroplanes.

This document specifies international Standards and Recommended Practices for aeroplanes used in international commercial air transport operation carrying passengers or freight. The Annex addresses flight operations; performance operating limitations; aeroplane instruments, equipment and flight documents; aeroplane communication and navigation equipment; aeroplane maintenance; flight crew; flight operations officers/flight dispatchers; manuals, logs and records; cabin crew; security; lights to be displayed in the air and on the ground during operations; contents of an operations manual; and flight time and flight duty period limitations.

12th edition, July 2022. 242 pp.

E, A, C, F, R, S	ISBN 978-92-9265-871-1	Order No. AN 6-1	\$213.00
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Amendment 48 (applicable 29/12/22; 1/1/25)		Order No. AN 6-1/AMEND/48/E	\$15.00*
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Corrigendum 1 (6/12/22)		Order No. AN 6-1/CORR/01/E	FREE
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Amendment 49 (applicable 28/11/24)		Order No. AN 6-1/AMEND/49/E	\$12.00*
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Part II – International General Aviation – Aeroplanes.

This document specifies international Standards and Recommended Practices for aeroplanes used in international general aviation operations. The Annex addresses flight preparation and in-flight procedures; performance operating limitations; aeroplane instruments and equipment; aeroplane communication and navigation equipment; aeroplane maintenance; flight crew; lights to be displayed in the air and on the ground during operations; flight recorders; and carriage and use of oxygen.

11th edition, July 2022. 182 pp.

E, A, C, F, R, S	ISBN 978-92-9265-741-3	Order No. AN 6-2	\$160.00
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Corrigendum 1 (1/2/23)		Order No. AN 6-2/CORR/01/E	FREE
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Amendment 41 (applicable 28/11/24)		Order No. AN 6-2/AMEND/41/E	\$12.00*
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Part III – International Operations – Helicopters.

This document is divided into three sections. The first section deals with definitions and applicability, the second section with international Standards and Recommended Practices governing international commercial air transport operations, and the third section with international Standards and Recommended Practices governing international general aviation operations.

11th edition, July 2022. 232 pp.

E, A, C, F, R, S	ISBN 978-92-9265-778-9	Order No. AN 6-3	\$197.00
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Amendment 25 (applicable 28/11/24)		Order No. AN 6-3/AMEND/25/E	\$12.00*
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Part IV – International Operations – Remotely Piloted Aircraft Systems.

1st edition, July 2024. 198 pp.

E, A, C, F, R, S	ISBN 978-92-9275-371-9	Order No. AN 6-4	\$250.00
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* Free with purchase of corresponding document.

Annexes to the Convention on International Civil Aviation

Annex 7 – Aircraft Nationality and Registration Marks.

This Annex contains standards adopted by ICAO as the minimum standards for the display of marks to indicate appropriate nationality and registration marks which have been determined to comply with Article 20 of the Convention. The provisions in the Annex provide definitions, location and measurement of nationality and registration marks as well as the standard form for the certificate of registration.

6th edition, incorporating Amendments 1–6. July 2012. 20 pp.

E, A, C, F, R, S ISBN 978-92-9249-011-9 **Order No. AN 7** **\$17.00**

Amendment 7 (applicable 2/11/23; 26/11/26) **Order No. AN 7/AMEND/07/E** **\$17.00***

Annex 8 – Airworthiness of Aircraft.

This Annex contains the Standards and Recommended Practices for the airworthiness of aircraft. Part I of the Annex provides definitions. Part II contains general airworthiness procedures applicable to all aircraft together with the standard format for the certificate of airworthiness. Part IIIA contains the minimum airworthiness characteristics of aeroplanes over 5 700 kg for which application for certification was submitted on or after 13 June 1960. Part IIIB contains the minimum airworthiness characteristics of aeroplanes over 5 700 kg for which application for certification was submitted on or after 2 March 2004. Part IVA contains the minimum airworthiness characteristics of helicopters for which application for certification was submitted on or after 22 March 1991. Part IVB contains the minimum airworthiness characteristics of helicopters for which application for certification will be submitted on or after 13 December 2007. Part V contains the minimum airworthiness characteristics of aeroplanes over 750 kg but not exceeding 5 700 kg for which application for certification will be submitted on or after 13 December 2007.

13th edition, July 2022. 346 pp.

E, A, C, F, R, S ISBN 978-92-9265-731-4 **Order No. AN 8** **\$294.00**

Corrigendum 1 (12/8/22)

ENGLISH ONLY **Order No. AN 8/CORR/01/E** **FREE**

Amendment 110 (applicable 26/11/26) **Order No. AN 8/AMEND/110/E** **\$13.00***

Annex 9 – Facilitation.

Annex 9 contains Standards and Recommended Practices, and related definitions and appendices concerning the facilitation of international air transport. They are the outcome of Article 37 of the Convention on International Civil Aviation which requires ICAO to adopt international Standards and Recommended Practices dealing with, inter alia, customs and immigration procedures and such other matters concerned with the safety, regularity and efficiency of air navigation.

16th edition, July 2022. 114 pp.

E, A, C, F, R, S ISBN 978-92-9265-756-7 **Order No. AN 9** **\$100.00**

Annex 10 – Aeronautical Telecommunications.

The five volumes of this document contain Standards and Recommended Practices (SARPs), Procedures for Air Navigation Services (PANS) and guidance material on aeronautical communication, navigation and surveillance systems.

Volume I – Radio Navigation Aids.

Volume I of Annex 10 contains Standards and Recommended Practices and guidance material for the global navigation satellite system (GNSS), navigation aids such as instrument landing system (ILS), microwave landing system (MLS), VHF omnidirectional radio range (VOR), non-directional radio beacon (NDB) and distance measuring equipment (DME).

8th edition, July 2023. 854 pp.

E, F, R, S	ISBN 978-92-9275-173-9	Order No. AN 10-1	\$630.00
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Volume II – Communication Procedures including those with PANS status.

Volume II of Annex 10 contains general, administrative and operational procedures pertaining to aeronautical fixed and mobile communications.

7th edition, incorporating Amendments 44–90. July 2016. 136 pp.

E, A, F, R, S	ISBN 978-92-9249-967-9	Order No. AN 10-2	\$117.00
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Amendment 91 (applicable 8/11/18)		Order No. AN 10-2/E/27	\$13.00*
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Amendment 92 (applicable 5/11/20)		Order No. AN 10-2/E/28	\$12.00*
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Amendment 93 (applicable 28/11/24)		Order No. AN 10-2/AMEND/93/E	\$15.00*
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Volume III – Communication Systems.

(Part I – *Digital Data Communication Systems*; Part II – *Voice Communication Systems*).

Volume III of Annex 10 contains Standards and Recommended Practices and guidance material for various air-ground and ground-ground voice and data communication systems, including aeronautical telecommunication network (ATN), aeronautical mobile-satellite service (AMSS), secondary surveillance radar (SSR) Mode S air-ground data link, very high frequency (VHF) air-ground digital link (VDL), aeronautical fixed telecommunication network (AFTN), aircraft addressing system, high frequency data link (HFDL), aeronautical mobile service, selective calling system (SELCAL), aeronautical speech circuits and emergency locator transmitter (ELT).

2nd edition, July 2007. 274 pp.

Reprinted, incorporating Amendments 70-90.

E, F, R, S	ISBN 978-92-9258-278-4	Order No. AN 10-3	\$233.00
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Amendment 91 (applicable 3/11/22)		Order No. AN 10-3/E/31	\$13.00*
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Amendment 92 (applicable 28/11/24)		Order No. AN 10-3/AMEND/92/E	\$18.00*
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Volume IV – Surveillance and Collision Avoidance Systems.

Volume IV of Annex 10 contains Standards and Recommended Practices and guidance material for secondary surveillance radar (SSR) and airborne collision avoidance systems (ACAS), including SARPs for SSR Mode A, Mode C and Mode S; and the technical characteristics of ACAS.

5th edition, incorporating Amendments 70–89. July 2014. 216 pp.

E, F, R, S	ISBN 978-92-9249-537-4	Order No. AN 10-4	\$182.00
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Amendment 90 (applicable 8/11/18)		Order No. AN 10-4/E/22	\$52.00*
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Amendment 91 (applicable 3/11/22)		Order No. AN 10-4/AMEND/91/E	\$67.00*
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* Free with purchase of corresponding document.

Annexes to the Convention on International Civil Aviation

Volume V – *Aeronautical Radio Frequency Spectrum Utilization.*

Volume V of Annex 10 contains Standards and Recommended Practices and guidance material on the utilization of aeronautical frequencies.

3rd edition, incorporating Amendments 71–88-A. July 2013. 42 pp.

E, F, R, S ISBN 978-92-9249-249-6 **Order No. AN 10-5** **\$44.00**

Amendment 88-B (applicable 13/11/14) **Order No. AN 10-5/E/19** **FREE**
(This amendment does not affect this volume)

Amendment 89 (applicable 13/11/14) **Order No. AN 10-5/E/20** **FREE**
(This amendment does not affect this volume)

Amendment 90 (effective 12/7/21, applicable 26/11/26) **Order No. AN 10-5/E/21** **\$21.00***

Volume VI – *Communication Systems and Procedures Relating to Remotely Piloted Aircraft Systems C2 Link.*

Volume VI of Annex 10 contains Standards and Recommended Practices on the C2 Link procedures and systems supporting remotely piloted aircraft systems (RPAS) operations.

1st edition, July 2021. 36 pp.

E, A, C, F, S, R ISBN 978-92-9265-442-9 **Order No. AN 10-6** **\$30.00**

Annex 11 – *Air Traffic Services.*

Annex 11 defines air traffic services and specifies the worldwide Standards and Recommended Practices applicable in the provision of these services.

15th edition, incorporating Amendments 1–51. July 2018. 136 pp.

E, A, C, F, R, S ISBN 978-92-9258-481-1 **Order No. AN 11** **\$117.00**

Amendment 50-B (applicable 5/11/20) **Order No. AN 11/E/18** **\$29.00***

Amendment 52 (applicable 5/11/20) **Order No. AN 11/E/20** **\$32.00***

Amendment 53 (applicable 28/11/24) **Order No. AN 11/AMEND/53/E** **\$12.00***

Annex 12 – *Search and Rescue.*

This Annex sets forth the provisions applicable to the establishment, maintenance and operation of search and rescue services by Member States in their territories and over the high seas. Annex 12 is complemented by the three-volume *International Aeronautical and Maritime Search and Rescue Manual* (Doc 9731) which provides guidelines for a common aviation and maritime approach to organization and provision of search and rescue services.

9th edition, July 2024. 38 pp.

E, A, C, F, R, S ISBN 978-92-9275-338-2 **Order No. AN 12** **\$80.00**

Annex 13 – *Aircraft Accident and Incident Investigation.*

Annex 13 contains the international Standards and Recommended Practices for aircraft accident and incident investigation.

13th edition, July 2024. 74 pp.

E, A, C, F, R, S ISBN 978-92-9275-346-7 **Order No. AN 13** **\$105.00**

Annex 14 – Aerodromes.

Volume I – *Aerodrome Design and Operations.*

Annex 14, Volume I, contains Standards and Recommended Practices that prescribe the physical characteristics, obstacle limitation surfaces and visual aids to be provided at aerodromes, as well as certain facilities and technical services normally provided at an aerodrome.

9th edition, July 2022. 352 pp.

E, A, C, F, R, S	ISBN 978-92-9265-735-2	Order No. AN 14-1	\$304.00
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Volume II – *Heliports.*

Annex 14, Volume II, contains Standards and Recommended Practices covering aspects of heliport planning, design and operations.

5th edition, July 2020. 118 pp.

E, A, C, F, R, S	ISBN 978-92-9258-959-2	Order No. AN 14-2	\$103.00
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Corrigendum 1 (29/1/21)		Order No. AN 14-2/E/09	FREE
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Annex 15 – Aeronautical Information Services.

The Standards and Recommended Practices applicable to Aeronautical Information Services.

16th edition, incorporating Amendments 1–40. July 2018. 58 pp.

E, A, C, F, R, S	ISBN 978-92-9258-448-1	Order No. AN 15	\$50.00
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Amendment 39-B (applicable 5/11/20)		Order No. AN 15/E/19	\$19.00*
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Amendment 41 (applicable 5/11/20)		Order No. AN 15/E/20	\$12.00*
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Amendment 42 (applicable 4/11/21)		Order No. AN 15/E/21	\$12.00*
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Amendment 43 (applicable 28/11/24)		Order No. AN 15/AMEND/43/E	\$21.00*
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Annex 16 – Environmental Protection.

Volume I – *Aircraft Noise.*

This volume contains the Standards and Recommended Practices for aircraft noise certification. It also covers international specifications relating to aircraft noise measurement and evaluation methods.

8th edition, incorporating Amendments 1–12. July 2017. 246 pp.

E, A, C, F, R, S	ISBN 978-92-9258-260-9	Order No. AN 16-1	\$208.00
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Amendment 13 (applicable 1/1/21)		Order No. AN 16-1/E/09	\$56.00*
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Amendment 14 (applicable 1/1/24)		Order No. AN 16-1/AMEND/E	\$70.00*
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Volume II – *Aircraft Engine Emissions.*

This volume contains Standards and Recommended Practices for aircraft engine emissions certification.

5th edition, July 2023. 180 pp.

E, A, C, F, R, S	ISBN 978-92-9275-129-6	Order No. AN 16-2	\$175.00
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* Free with purchase of corresponding document.

Annexes to the Convention on International Civil Aviation

Volume III – *Aeroplane CO₂ Emissions*.

1st edition, July 2017. 40 pp.

E, A, C, F, R, S ISBN 978-92-9258-232-6 **Order No. AN 16-3** **\$34.00**

Amendment 1 (applicable 1/1/21) **Order No. AN 16-3/E/01** **\$19.00***

Amendment 2 (applicable 1/1/24) **Order No. AN 16-3/AMEND/02** **\$30.00***

Volume IV – *Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA)*.

2nd edition, July 2023. 124 pp.

E, A, C, F, R, S ISBN 978-92-9275-117-3 **Order No. AN 16-4** **\$140.00**

Annex 17 – *Aviation Security*.

Annex 17 contains Standards and Recommended Practices concerned with the security of international air transport and is amended regularly to address the evolving threat. A comprehensive document for implementation of security measures, it incorporates an attachment of extracts from other Annexes, the Technical Instructions for the Safe Transport of Dangerous Goods by Air (Doc 9284), and Procedures for Air Navigation Services, focussing on action to be taken by States to prevent unlawful interference with civil aviation, or when such interference occurs.

12th edition, July 2022. 66 pp.

E, A, C, F, R, S ISBN 978-92-9265-729-1 **Order No. AN 17** **\$56.00**

Annex 18 – *The Safe Transport of Dangerous Goods by Air*.

This Annex contains the broad principles governing the international transport of dangerous goods by air. To assist in achieving compatibility with other modes of transport, the provisions of this Annex are based on material developed by the United Nations and the International Atomic Energy Agency.

4th edition, incorporating Amendments 1–10. July 2011. 36 pp.

E, A, C, F, R, S ISBN 978-92-9231-813-0 **Order No. AN 18** **\$35.00**

Amendment 11 (applicable 14/11/13) **Order No. AN 18/E/07** **\$11.00***

Amendment 12 (applicable 12/11/15) **Order No. AN 18/E/08** **\$15.00***

Annex 19 – *Safety Management*.

Annex 19 contains overarching provisions applicable to safety management functions related to, or in direct support of, the safe operation of aircraft and highlights the importance of safety management at the State level across multiple aviation domains. To complement the State Safety Programme (SSP) and the Safety Management System (SMS) frameworks found in the Annex, provisions for State Safety Oversight and for the collection, analysis, exchange and protection of information have also been incorporated.

2nd edition, incorporating Amendment 1. July 2016. 46 pp.

This second edition supersedes, on 7 November 2019, all previous editions of Annex 19.

E, A, C, F, R, S ISBN 978-92-9249-965-5 **Order No. AN 19** **\$44.00**

Procedures for Air Navigation Services

Procedures developed mostly through the ICAO divisional-type meetings and approved by the Council for worldwide application. They comprise, for the most part, operating procedures regarded as not yet having obtained a sufficient degree of maturity for adoption as international Standards and Recommended Practices, or material of a more permanent character which is inappropriate or too detailed for incorporation in an Annex.

Doc 4444 – ATM – Air Traffic Management.

These procedures are complementary to the Standards and Recommended Practices contained in Annex 2 and Annex 11 and specify, in greater detail than in the Standards and Recommended Practices, the actual procedures to be applied by air traffic services units in providing the various air traffic services to air traffic.

16th edition, 2016. 466 pp.

E, A, C, F, R, S
English only

ISBN 978-92-9258-081-0

Order No. 4444

\$442.00

Order No. 4444-SUB

\$1 900.00

Amendment 7-B (applicable 5/11/20)

Order No. 4444/E/22

\$61.00*

Amendment 8 (applicable 8/11/18)

Order No. 4444/E/23

\$72.00*

Amendment 9 (applicable 5/11/20)

Order No. 4444/E/24

\$120.00*

Amendment 10 (applicable 4/11/21)

Order No. 4444/E/25

\$28.00*

Amendment 11 (applicable 3/11/22)

Order No. 4444/AMEND/11/E

\$38.00*

Amendment 12 (applicable 28/11/24)

Order No. 4444/AMEND/12/E

\$32.00*

Doc 8168 – OPS – Aircraft Operations.

Volume I – *Flight Procedures.*

This volume describes operational procedures recommended for the guidance of flight operations personnel. It also outlines the various parameters on which the criteria in Volume II are based so as to illustrate the need for operational personnel including flight crew to adhere strictly to the published procedures in order to achieve and maintain an acceptable level of safety in operations.

6th edition, 2018. 210 pp.

E, F, R, S

ISBN 978-92-9258-670-6

Order No. 8168-1

\$387.00

Amendment 9 (applicable 5/11/20; 4/11/21)

Order No. 8168-1/E/18

\$36.00*

Amendment 10 (applicable 3/11/22)

Order No. 8168-1/AMEND/10/E

\$30.00*

Amendment 11 (applicable 28/11/24)

Order No. 8168-1/AMEND/11/E

\$42.00*

* Free with purchase of corresponding document.

Procedures for Air Navigation Services

Volume II – *Construction of Visual and Instrument Flight Procedures.*

This volume is intended for the guidance of procedures specialists and describes the essential areas and obstacle clearance requirements for the achievement of safe, regular instrument flight operations. It provides the basic guidelines to States, and those operators and organizations producing instrument flight charts that will result in uniform practices at all aerodromes where instrument flight procedures are carried out.

7th edition, 2020. 974 pp.

E, F, R, S ISBN 978-92-9265-214-2 **Order No. 8168-2** **\$866.00**

Corrigendum 1 (20/11/20) **Order No. 8168/E/28** **FREE**

Corrigendum 2 (21/3/22) **Order No. 8168-2/CORR/02/E** **FREE**

Amendment 10 (applicable 28/11/24) **Order No. 8168-2/AMEND/10/E** **\$253.00***

Volume III – *Aircraft Operating Procedures.*

1st edition, 2018. 122 pp.

E, F, R, S ISBN 978-92-9258-601-0 **Order No. 8168-3** **\$152.00**

Amendment 1 (applicable 4/11/21) **Order No. 8168-3/E/01** **\$22.00***

Amendment 2 (applicable 3/11/22) **Order No. 8168-3/AMEND/02/E** **\$33.00***

Amendment 3 (applicable 28/11/24) **Order No. 8168-3/AMEND/03/E** **\$13.00***

Doc 8400 – ABC – ICAO Abbreviations and Codes.

Abbreviations and Codes approved by the Council of ICAO for worldwide use in the international aeronautical telecommunication service and in aeronautical information documents, as appropriate, and uniform abbreviated phraseology for use in pre-flight information bulletins.

9th edition, 2016. 88 pp.

E, A, C, F, R, S ISBN 978-92-9258-089-6 **Order No. 8400** **\$90.00**

Amendment 33 (applicable 8/11/18) **Order No. 8400/E/07** **\$38.00***

Amendment 34 (applicable 28/11/24) **Order No. 8400/AMEND/34/E** **\$24.00***

Doc 9868 – Training.

These PANS contain material that provides for the uniform implementation of competency-based training and assessments for the multi-crew pilot licence (MPL) and maintenance personnel. It also includes provisions related to the implementation of evidence-based training in recurrent training in FSTDs and upset prevention and recovery training. This document is complementary to the Standards and Recommended Practices (SARPs) contained in Annex 1 – *Personnel Licensing* and specifies, in greater detail than in the SARPs, the actual procedures to be applied by training organizations in providing training for aeronautical personnel.

3rd edition, 2020. 218 pp.

E, A, C, F, R, S ISBN 982-92-9265-187-9 **Order No. 9868** **\$219.00**

Doc 9981 – Aerodromes.

The PANS-Aerodromes are complementary to the SARPs contained in Annex 14, Volume I. The PANS-Aerodromes specify, in greater detail than the SARPs, operational procedures to be applied by aerodrome operators to ensure aerodrome operational safety. PANS-Aerodromes specify procedures to be applied by both aerodrome regulators and operators for initial aerodrome certification and continuing aerodrome safety oversight, as well as aerodrome compatibility studies, in particular, where full compliance with the SARPs in Annex 14, Volume I, cannot be achieved.

3rd edition, 2020. 252 pp.

E, A, C, F, R, S	ISBN 978-92-9258-964-6	Order No. 9981	\$233.00
Amendment 2 (applicable 8/11/18 and 5/11/20)		Order No. 9981/E/01	\$18.00*
Amendment 4 (applicable 4/11/21)		Order No. 9981/E/02	\$46.00*

Doc 10066 – Aeronautical Information Management.

This manual is your guide through the detailed requirements for the collection, management, and provision of aeronautical data and information. The publication includes the provisions in support of the transition from product-based Aeronautical Information Services (AIS) to data-centric Aeronautical Information Management (AIM).

1st edition, 2018. 134 pp.

E, A, C, F, R, S	ISBN 978-92-9258-597-6	Order No. 10066	\$124.00
Amendment 1 (applicable 4/11/21; 28/11/24)		Order No. 10066/E/01	\$33.00*
Amendment 2 (applicable 4/11/21)		Order No. 10066/E/02	\$22.00*
Amendment 3 (applicable 28/11/24)		Order No. 10066/AMEND/03/E	\$56.00*

Doc 10199 – Information Management.

1st edition, 2024. 34 pp.

ENGLISH	ISBN 978-92-9275-398-6	Order No. 10199	\$80.00
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REGIONAL SUPPLEMENTARY PROCEDURES

Doc 7030 – Regional Supplementary Procedures.

Operating procedures supplementary to the Annexes and PANS developed for the greater part through the ICAO regional air navigation meetings to meet the needs of a specific ICAO Region. They deal with matters affecting the safety and regularity of international air navigation. They are published in a single document covering all Regions. The ICAO Regional Supplementary Procedures form part of the Air Navigation Plan developed by Regional Air Navigation Meetings to meet those needs of specific areas which are not covered in the worldwide provisions.

5th edition, 2008. 380 pp.

Reprinted, incorporating Amendments 1-7.

E, F, R, S	ISBN 978-92-9249-309-7	Order No. 7030	\$364.00
Amendment 8 (applicable 1/11/13)		Order No. 7030/E/39	\$17.00*
Amendment 9 (applicable 25/4/14)		Order No. 7030/E/40	\$22.00*

* Free with purchase of corresponding document.

Records available in the form of resolutions and recommendations, and reports and minutes of the various Assembly sessions and of the Commissions of the Assembly.

RESOLUTIONS

Doc 10075 – Assembly Resolutions in Force (as of 6 October 2016).

This document contains the texts of all resolutions of the ICAO Assembly in force at the close of its 39th Session (September/October 2016). In addition to the text of the resolutions in force, the document contains reservations which were recorded by some delegations to resolutions adopted by the Assembly (with effect from the 39th Session); a list of resolutions resulting from consolidations, with an indication of their origin; a list of resolutions that have been consolidated, with an indication of the resulting resolution; a subject index of resolutions in force; and an index of resolutions in force.

2017. 340 pp. E, A, C, F, R, S	ISBN 978-92-9258-165-7	Order No. 10075	\$294.00
Corrigendum 1 (3/7/17)		Order No. 10075/E/01	FREE

Doc 10140 – Assembly Resolutions in Force (as of 4 October 2019).

2020. 346 pp. E, A, C, F, R, S	ISBN 978-92-9258-848-9	Order No. 10140	\$320.00
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Resolutions or parts thereof no longer in force are available at:
<http://www.icao.int/Meetings/a39/Pages/resolutions.aspx>

Doc 10184 – Assembly Resolutions in Force (as of 7 October 2022).

2022. 392 pp. E, A, C, F, R, S	ISBN 978-92-9265-969-1	Order No. 10184	\$365.00
Corrigendum 1 (3/3/23)		Order No. 10184/CORR/01/E	FREE

REPORTS AND MINUTES

These documents provide a record, in the form of reports and/or minutes, of the deliberations of the various Assembly Sessions. The reports and minutes of the previous Sessions are out of print.

37th Session

Montréal, 28 September–8 October 2010.

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38th Session

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E, A, C, F, R, S

ISBN 978-92-9249-394-3

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Doc 10028 – Report of the Technical Commission.

2013. 76 pp.

E, A, C, F, R, S

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39th Session

Montréal, 27 September–7 October 2016.

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E, A, C, F, R, S

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Doc 10132 – Minutes of the Plenary Meetings.

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Montréal, 24 September–4 October 2019. 474 pp.

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E, A, C, F, R, S

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Order No. 10137

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Doc 10138 – Report of the Legal Commission.

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E, A, C, F, R, S

ISBN 978-92-9258-856-4

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Doc 10139 – Report of the Economic Commission.

Montréal, 24 September–4 October 2019. 34 pp.

E, A, C, F, R, S

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Order No. 10139

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41st Session

Montréal, 27 September–7 October 2022.

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2022. 38 pp.

E, A, C, F, R, S

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Doc 10181 – Report of the Legal Commission.

2023. 30 pp.

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ISBN 978-92-9275-064-0

Order No. 10181

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2023. 74 pp.

E, A, C, F, R, S

ISBN 978-92-9275-007-7

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2023. 68 pp.

E, A, C, F, R, S

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Order No. 10186/CORR/02/E

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*Note.— The Annual Reports for the years 2007 to the current year are available free at:
www.icao.int/publications/Pages/annual-reports.aspx.*

COUNCIL COMMITTEES

CAEP – Committee on Aviation Environmental Protection

Doc 9836 – Report of the Sixth Meeting.

Montreal, 2–12 February 2004. 2004. 358 pp.

E, A, F, R, S

ISBN 92-9194-398-3

Order No. 9836

\$391.00

Doc 9886 – Report of the Seventh Meeting.

Montréal, 5–16 February 2007. 2007. 526 pp.

E, A, F, R, S

ISBN 92-9194-991-4

Order No. 9886

\$605.00

Doc 9938 – Report of the Eighth Meeting.

Montréal, 1–12 February 2010. 2010. 848 pp.

E, A, C, F, R, S

ISBN 978-92-9231-588-7

Order No. 9938

\$935.00

Doc 10012 – Report of the Ninth Meeting.

Montréal, 4–15 February 2013. 2013. 240 pp.

E, A, C, F, R, S

ISBN 978-92-9249-307-3

Order No. 10012

\$275.00

Doc 10069 – Report of the Tenth Meeting.

Montréal, 1–12 February 2016. 2016. 432 pp.

E, A, C, F, R, S

ISBN 978-92-9258-064-3

Order No. 10069

\$496.00

Doc 10126 – Report of the Eleventh Meeting.

Montréal, 4–15 February 2019. 2019. 408 pp.

E, A, C, F, R, S

ISBN 978-92-9258-780-2

Order No. 10126

\$502.00

Council

Doc 10176 – Report of the Twelfth Meeting.

Montréal, 7–17 February 2022. 648 pp.

E, A, C, F, R, S

ISBN 978-92-9265-898-4

Order No. 10176

\$646.00

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Circulars. Publications intended to disseminate specialized information to Member States, such as technical studies; analyses, reproductions of or extracts from informative documents supplied by Member States; and reports on the implementation of Standards and Recommended Practices.

AGA – AERODROMES

Doc 9137 – Airport Services Manual.

Part 1 – Rescue and Firefighting.

Part 1 provides guidance for the implementation of the Annex 14, Volume I, specifications relating to rescue and firefighting (RFF). It includes material concerning the level of protection to be provided at an airport, the critical area concept and the method by which the amount of extinguishing agents has been related to the critical area. The manual also contains information on RFF vehicle specifications, extinguishing agent characteristics, siting of fire stations and operating procedures for dealing with an emergency.

4th edition, 2015. 170 pp.

E, A, C, F, R, S

ISBN 978-92-9249-815-3

Order No. 9137P1

\$148.00

Amendment 1 (13/1/23)

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Corrigendum 1 (14/2/23)

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Part 2 – Pavement Surface Conditions.

The purpose of Part 2 is to assist States to ensure that adequate measures are taken to overcome problems resulting from contaminants on, or weathering of, the movement area. This manual includes material concerning basic factors affecting friction, the correlation between friction measuring devices on paved surfaces, descriptions of some friction measuring devices, and practices for measuring and reporting friction on snow-, ice- and water-covered surfaces. It also provides information on the collection and dissemination of pavement surface condition information, and clearance and removal of contaminants and debris from the movement area.

4th edition, 2002. 124 pp.

E, F, R, S

Order No. 9137P2

\$119.00

* Free if purchased with corresponding document.

Part 3 – *Wildlife Hazard Management.*

Part 3 is intended to provide airport personnel with the information necessary to develop and implement an effective bird/wildlife control programme for their airport. The manual stresses the importance of good organization and planning in the creation of such a programme, and it details the roles and responsibilities of those involved in airport bird/wildlife control. To assist States wishing to establish a national bird/wildlife strike committee, the manual contains information describing how such a committee is organized. In addition, the manual includes material which describes why birds/wildlife are attracted to an airport, and it explains some of the concepts used to make the airport less attractive to birds. The manual also includes material on emerging technologies and communication procedures dealing with bird/wildlife strike hazard reduction.

5th edition, 2020. 72 pp.

E, A, R, C, S, F

ISBN 978-92-9258-972-1

Order No. 9137P3

\$113.00

Part 5 – *Removal of Disabled Aircraft.*

The purpose of Part 5 is to assist States to establish a plan for the removal of a disabled aircraft from the airport movement area. The manual discusses the responsibility for removing a disabled aircraft, emphasizes the need for pre-arranged agreements with operators, companies with heavy-lift equipment and other airports for the expeditious removal of a disabled aircraft. The manual also describes some of the methods used to remove disabled aircraft.

4th edition, 2009. 114 pp.

Reprinted, incorporating Corrigendum dated 5/2/10.

E, F, R, S

ISBN 978-92-9231-967-0

Order No. 9137P5

\$102.00

Part 6 – *Control of Obstacles.*

Part 6 includes information intended to provide guidance on the control of obstacles in the vicinity of an airport. This part of the manual includes information on: obstacle surfaces; controlling obstacles at an airport; temporary hazards; obstacle surveys; and airport equipment and installations which might constitute obstacles.

2nd edition, 1983. 70 pp.

E, F, R, S

ISBN 92-9194-297-9

Order No. 9137P6

\$69.00

Part 7 – *Airport Emergency Planning.*

The material in Part 7 relates to the pre-planning for handling airport emergencies, as well as coordination between different airport agencies (or services) and those agencies in the surrounding communities that could be of assistance in responding to an emergency. Some of the topics dealt with by the manual are: the preparation of an airport emergency plan; agencies involved including their responsibilities and roles; emergency operations centre and mobile command post; offices to be contacted; triage and medical centre; care of ambulatory survivors; care of fatalities; communications; airport emergency exercises; and review of the airport emergency plan.

2nd edition, 1991. 81 pp.

E, F, R, S

ISBN 92-9194-635-4

Order No. 9137P7

\$82.00

Part 8 – *Airport Operational Services.*

Part 8 brings together the various technical functions that are required to be fulfilled by an airport to ensure safety and continuity of operations. The manual treats two aspects of providing airport services. In the first two chapters the overall organization and the staffing of operational services are discussed. The remaining chapters discuss particular services to be provided at the airport.

1st edition, 1983. 64 pp.

E, F, R, S

ISBN 92-9194-156-5

Order No. 9137P8

\$61.00

Part 9 – Airport Maintenance Practices.

Part 9 identifies various types of maintenance required for airport facilities. The manual recognizes that the proper maintenance of airport facilities is necessary for the safety of aircraft operations at an airport and deals with those facilities that are the responsibility of the airport authority.

1st edition, 1984. 56 pp.

E, F, R, S

ISBN 92-9194-157-3

Order No. 9137P9

\$51.00

Doc 9150 – Stolport Manual.

This manual provides guidance for the planning and establishment of stolports, unique airports designed to serve aeroplanes that have exceptional short-field performance capabilities. The material in this manual is based on adaptations of conventional airport practices and on the experiences of States that have operated stolports or complete STOL systems. The manual covers all aircraft operating aspects of stolports except non-visual navigation aids.

2nd edition, 1991. 48 pp.

E, F, R, S

ISBN 978-92-9231-386-9

Order No. 9150

\$65.00

Doc 9157 – Aerodrome Design Manual.**Part 1 – Runways.**

Part 1 provides guidance on the geometric design of runways and the aerodrome elements normally associated with runways. It discusses runway configuration, runway length, aeroplane performance parameters affecting runway length, and planning to accommodate future aircraft.

4th edition, 2020. 98 pp.

E, A, C, F, R, S

ISBN 978-92-9265-232-6

Order No. 9157P1

\$170.00

Part 2 – Taxiways, Aprons and Holding Bays.

Part 2 contains material on the general layout and description of the design criteria for taxiway physical characteristics, including taxiway fillets, shoulders and strips, as well as typical apron layouts and their design requirements. Holding bays, dual or multiple taxiways and the advantages and disadvantages of each are discussed. In addition guidance is given on taxiway fillet design and planning for future aircraft.

5th edition, 2020. 186 pp.

E, A, C, F, R, S

ISBN 978-92-9258-864-9

Order No. 9157P2

\$227.00

Amendment 1 (18/6/21)

Order No. 9157P2/E/02

\$74.00*

Corrigendum 1 (11/8/21)

Order No. 9157P2/E/03

FREE

Part 3 – Pavements.

This manual has been developed to provide guidance on the design of pavements including their evaluation and reporting of their bearing strength, as well as detailed information concerning overload operations. Background information on the ACR-PCR method of reporting pavement bearing strength is also provided. Practices of some Member States have also been included.

3rd edition, 2022. 146 pp.

E, A, C, F, R, S

ISBN 978-92-9265-889-2

Order No. 9157P3

\$334.00

Air Navigation

Part 4 – *Visual Aids*.

Proper design and installation of visual aids are prerequisites for the safety of airport operations. Part 4 provides information on the characteristics of visual aids used at airports. Some of the topics covered are: functional requirements of visual ground aids; surface marking and markers; approach lighting systems; light characteristics for precision approach runways and taxiways; runway lead-in lighting systems; runway and taxiway lighting; surface movement guidance and control systems; taxiing guidance signs and obstacle lighting.

5th edition, 2021. 264 pp.

E, A, C, F, R, S

ISBN 978-92-9265-343-9

Order No. 9157P4

\$284.00

Amendment 1 (12/7/21)

Order No. 9157P4/E/03

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Part 5 – *Electrical Systems*.

Part 5 discusses the general features of electrical practices and installations and also addresses those features which are of special significance for aerodrome installations. It is assumed the readers of the manual will be familiar with electrical circuits and design concepts, but may not be familiar with certain features of aerodrome installations which are less frequently encountered in other installations.

2nd edition, 2017. 226 pp.

E, A, C, F, R, S

ISBN 978-92-9258-246-3

Order No. 9157P5

\$203.00

Corrigendum 1 (25/9/17)

Order No. 9157P5/E/01

FREE

Amendment 1 (20/1/20)

Order No. 9157P5/E/02

\$13.00*

Part 6 – *Frangibility*.

At airports, various visual and non-visual aids are located near runways, taxiways and aprons where they may present a hazard to aircraft in the event of accidental impact during landing, take-off or ground manoeuvring. All such equipment and their supports shall be frangible and mounted as low as possible to ensure that impact will not result in loss of control of the aircraft. This manual provides guidance on the design, testing and installation of frangible structures at airports and heliports. Much of the material is closely associated with the specifications on frangibility of visual and non-visual aids contained in Annex 14 – *Aerodromes*, Volume I – *Aerodrome Design and Operations* and Volume II – *Heliports*.

1st edition, 2006. 64 pp.

E, F, R, S

ISBN 92-9194-646-X

Order No. 9157P6

\$83.00

Amendment 1 (2/11/18)

Order No. 9157P6/E/01

\$32.00*

Doc 9184 – *Airport Planning Manual*.

Part 1 – *Master Planning*.

Part 1 provides airport authorities with guidance on the development of airport master plans. Included are sections on the airport planning process, air side development, land side development and airport support elements.

3rd edition, 2023. 250 pp.

E, A, F, R, S

ISBN 978-92-9275-217-0

Order No. 9184P1

\$228.00

Part 2 – *Land Use and Environmental Management*.

The purpose of Part 2 is to provide guidance on land use planning in the vicinity of airports. The manual addresses the ecological considerations of choosing a site, environmental control measures, land use planning, and land use administration.

4th edition, 2018. 222 pp.

E, A, C, F, R, S

ISBN 978-92-9258-645-4

Order No. 9184P2

\$198.00

Part 3 – Guidelines for Consultant/Construction Services.

Part 3 provides a general overview on contracting for designing or construction services. The manual outlines the various steps that should be taken, from the conception of the idea, to contracting for services, to the completion of the contract.

1st edition, 1983. 109 pp.

E, F, R, S

ISBN 92-9194-321-5

Order No. 9184P3

\$113.00

Doc 9261 – Heliport Manual.

This manual provides guidance for the implementation of Annex 14 – Aerodromes, Volume II – Heliports. The manual consists of two parts: Part I addresses design and operations for heliports at a range of offshore installations and vessels; and Part II provides guidance for heliport design and operations in the onshore environment. This new edition has taken into account the substantial development of Standards and Recommended Practices (SARPs) incorporated into Annex 14 in recent years, as well as the equipment, technology and best practices now used in the heliports arena.

5th edition, 2021. 360 pp.

E, A, C, F, R, S

ISBN 978-92-9265-356-9

Order No. 9261

\$238.00

Doc 9476 – Manual of Surface Movement Guidance and Control Systems (SMGCS).

This manual has been developed to facilitate the implementation of specifications relating to SMGC systems found in various Annexes and the PANS-ATM. It contains information on: designing an SMGC system for an aerodrome; the functions and responsibilities of personnel, procedures; low visibility operations; high traffic volume operations; runway protection measures and apron management service.

1st edition, 1986. 96 pp.

Reprinted, incorporating Amendments 1 and 2.

E, F, R, S

ISBN 92-9194-035-6

Order No. 9476

\$122.00

Doc 9774 – Manual on Certification of Aerodromes.

This manual contains guidance material on establishing a framework for aerodrome certification, including identification of the need for appropriate legal provisions, model regulations for adoption or adaptation as appropriate, the certification procedure, a typical civil aviation administration staffing pattern, a sample application form and a sample certificate for use by a State. Information in support of the introduction of the concept of the safety management system for aerodromes is also included.

1st edition, 2001. 58 pp.

E, A, F, R, S

ISBN 92-9194-339-8

Order No. 9774

\$69.00

Doc 9977 – Manual on Civil Aviation Jet Fuel Supply.

This manual is to inform the aviation and petroleum industries globally about the existence of internationally accepted petroleum and aviation industry fuel practices and to reinforce the need for compliance with them. The manual acts as a “signpost” document, summarizing and directing readers to relevant industry policies, standards and procedures (PSPs) that cover all matters related to aviation fuel quality control, operations and training across the entire supply and distribution system, from refinery to aircraft refuelling.

2nd edition, 2012. 46 pp.

E, A, C, F, R, S

ISBN 978-92-9249-105-5

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Doc 10044 – Manual on the Aeronautical Mobile Airport Communications System (AeroMACS).

1st edition, 2019. 178 pp.

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1st edition, 2020. 58 pp.

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This manual addresses ground handling services which form an integral part of the aviation system and contribute directly to flight and aerodrome safety. The content of this manual provides guidance for all stakeholders involved in the ground handling of aircraft that might impact the safety of operations. It brings together the ground handling operation and the principles of safety management systems to highlight safety improvements in the overall system for ground handling service providers as well as air and aerodrome operators. It also provides guidance for States to assist with the inclusion of ground handling in their State safety programmes.

1st edition, 2019. 112 pp.

E, A, C, F, R, S

ISBN 978-92-9258-821-2

Order No. 10121

\$164.00

Doc 10127 – Report of the Independent expert integrated technology goals assessment and review for engines and aircraft.

The final report by the panel of external Independent Experts (IEs) selected by CAEP provides a balanced view of the current state of noise and emissions reduction technologies and summarizes the expected new technological advances that could be brought to market in the medium- (10 years) and long-term (20 years), as suggested by research progress, for the reduction of fuel burn, noise and emissions.

Montréal, 2019. 225 pp.

English only

ISBN 978-92-9258-781-9

Order No. 10127

\$209.00

Doc 10150 – Functional Specifications for the Location of an Aircraft in Distress Repository (LADR).

1st edition, 2021. 38 pp.

E, A, C, F, R, S

ISBN 978-92-9265-317-0

Order No. 10150/D

\$88.00

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Doc 10153 – Guidance on the Preparation of an Operations Manual.

1st edition, 2021. 180 pp.

E, A, C, F, R, S

ISBN 978-92-9265-633-1

Order No. 10153

\$212.00

Doc 10163 – Manual on High Elevation Aerodrome Operations.

1st edition, 2022. 40 pp.

E, A, C, F, R, S

ISBN 978-92-9265-837-3

Order No. 10163

\$116.00

Cir 305 – Operation of New Larger Aeroplanes at Existing Aerodromes.

This circular provides information on the development of suitable alternate measures, operating procedures and operating restrictions for new larger aeroplanes (NLAs) at existing aerodromes that do not meet the relevant Code F provisions of Annex 14, Volume I.

2004. 64 pp.

Reprinted, incorporating Corrigendum (14/3/05)

E, A, C, F, R, S

ISBN 978-92-9231-431-6

Order No. CIR305

\$87.00

Cir 355 – Assessment, Measurement and Reporting of Runway Surface Conditions.

2019. 110 pp.

E, A, C, F, R, S

ISBN 978-92-9258-719-2

Order No. CIR355**\$181.00****AIG – ACCIDENT AND INCIDENT INVESTIGATION****Doc 9756 – Manual of Aircraft Accident and Incident Investigation.**

The purpose of this manual is to encourage the uniform application of the Standards and Recommended Practices contained in Annex 13 and to provide information and guidance to States on the procedures, practices and techniques that can be used in accident and incident investigations. It is issued in four parts and supersedes the *Manual of Aircraft Accident Investigation* (Doc 6920).

Part I – Organization and Planning.

Part I of this manual has been revised and updated, and includes considerations for the establishment of an aircraft accident investigation authority in terms of its structure, legislation, funding and personnel. The planning of an investigation and the notification process for accidents and incidents are also addressed, as are the initial actions to be taken at an accident site, with particular emphasis on the safety of personnel. A directory of the accident investigation authorities in all States and their contact details are included.

2nd edition, 2015. 144 pp.

E, A, C, F, R, S

ISBN 978-92-9249-592-3

Order No. 9756P1**\$143.00**

Amendment 1 (30/8/18)

Order No. 9756P1/E/04**\$23.00***

Corrigendum 1 (6/11/18)

Order No. 9756P1/E/03**FREE****Part II – Procedures and Checklists.**

The second edition of Doc 9756, Part II, takes into account the recently adopted Amendment 19 to Annex 13 – *Aircraft Accident and Incident Investigation* and includes updates proposed by the Accident Investigation Panel (AIGP). The new content further clarifies relevant tasks when responding to a notification of an accident or incident, the role and participation of accredited representatives and their advisers in investigations, and publication of a Preliminary Report in cases of accidents or incidents that draw heightened public attention.

2nd edition, 2024. 192 pp.

ENGLISH

ISBN 978-92-9275-613-0

Order No. 9756P2**\$200.00****Part III – Investigation.**

Part III provides guidance for the investigation of all technical areas that could be involved in an aircraft accident or incident. Guidance is also provided for the several phases of an investigation. The content includes wreckage investigation, structures and systems investigation, flight recorders, aircraft performance, etc.

1st edition, 2011. 626 pp.

E, A, C, F, R, S

ISBN 978-92-9231-933-5

Order No. 9756P3**\$605.00****Part IV – Reporting.**

Part IV provides guidance in developing the final reports as a result of the investigation of aircraft accidents and incidents including comprehensive guidelines on drafting and processing of safety recommendations. It outlines the format and content and the procedures for consultation, release, distribution, and dissemination of the final report.

3rd edition, 2020. 92 pp.

E, A, F, C, R, S

ISBN 978-92-9258-953-0

Order No. 9756P4**\$144.00**

Amendment 1 (6/9/24)

Order No. 9756P4/AMEND/01/E \$12.00*

Doc 9946 – Manual on Regional Accident and Incident Investigation Organization.

This manual provides information and guidance on the establishment and management of a regional accident and incident investigation organization (RAIO) to assist ICAO Contracting States in fulfilling their obligations pertaining to accident and incident investigation. A regional investigation system can provide economies of scale by allowing for the sharing of required resources. The manual outlines the duties and responsibilities of ICAO Contracting States, individually and/or collectively, with respect to the establishment and management of a regional accident and incident investigation system.

1st edition, 2011. 66 pp.

E, A, C, F, R, S

ISBN 978-92-9231-725-6

Order No. 9946

\$82.00

Doc 9962 – Manual on Accident and Incident Investigation Policies and Procedures.

This manual is an implementation tool to assist States in developing a policies and procedures manual for accident and incident investigation. The contents of the manual provide a template for States to modify, as necessary, their accident investigation documentation to be in line with Annex 13 provisions and to standardize and harmonize accident investigation processes among ICAO Member States. The manual was developed in such a manner that States can adapt it by “filling in the blanks” with State-specific material such as legislation, regulations, etc.

2nd edition, 2019. 129 pp.

E, A, C, F, R, S

ISBN 978-92-9258-788-8

Order No. 9962

\$308.00

Doc 9973 – Manual on Assistance to Aircraft Accident Victims and their Families.

This manual provides guidance on the types of family assistance to aircraft accident victims and their families. The document updates and expands relevant guidance by incorporating recent lessons learned and development in the area of family assistance. It discusses the types of assistance that may be provided, as well as the providers and recipients of such assistance. Examples of several States' legislation/regulations for the provision of family assistance are also provided.

1st edition, 2013. 132 pp.

E, A, C, F, R, S

ISBN 978-92-9249-328-8

Order No. 9973

\$330.00

Doc 9998 – ICAO Policy on Assistance to Aircraft Accident Victims and their Families.

This document sets out ICAO policies regarding the provision of assistance to aircraft accident victims and their families. States are encouraged to incorporate these policies when planning, developing, and implementing their legislation, regulations, policies and procedures related to family assistance.

1st edition, 2013. 22 pp.

E, A, C, F, R, S

ISBN 978-92-9249-228-1

Order No. 9998

\$38.00

Doc 10053 – Manual on Protection of Safety Information – Part I – Protection of Accident and Incident Investigation Records.

1st edition, 2016. 52 pp.

E, A, C, F, R, S

ISBN 978-92-9249-987-7

Order No. 10053

\$49.00

Doc 10104 – Manual on Flight Recorder System Maintenance (FRSM).

1st edition, 2020. 130 pp.

E, A, C, F, R, S

ISBN 978-92-9258-883-0

Order No. 10104

\$187.00

Doc 10206 – Manual on Aircraft Accident and Incident Investigation Training.

This manual provides training guidelines for aircraft accident and incident investigators. It discusses the experience and employment background required for training as an aircraft accident and incident investigator, and outlines the progressive training considered necessary to qualify a person for the various investigation roles, including appointment as the investigator-in-charge of an investigation into a major accident involving a large transport-category aircraft. It also includes an adapted competency-based training (CBT) model to define the competencies of aircraft accident and incident investigators. This manual updates the guidelines contained in Circular 298 – *Training Guidelines for Aircraft Accident Investigators* and supersedes it in its entirety.

1st edition, 2024. 42 pp.

E, C, F

ISBN 978-92-9275-411-2

Order No. 10206

\$80.00

ATM – AIR TRAFFIC MANAGEMENT**Doc 9426 – Air Traffic Services Planning Manual.**

This manual consists of guidance material previously contained in Annex 11 and the PANS-ATM, and, consequently, supplements the provisions governing ATS as specified in these documents as well as in Annex 2. The manual not only contains information which can, or should, be taken into account in the formulation of development programmes within State or regions, but also material which can, or should, be applied directly to the planning and operation of the ATS system.

1st (provisional) edition, 1984. 458 pp.

Reprinted, incorporating Amendments 1–4.

E, F, R, S

ISBN 92-9194-664-8

Order No. 9426

\$569.00

Doc 9432 – Manual of Radiotelephony.

This document contains numerous examples of radiotelephony phraseology in common use. The objective is to ensure a high standard of aeronautical radiotelephony which will contribute to safety.

4th edition, 2007. 106 pp.

E, F, R, S

ISBN 92-9194-996-5

Order No. 9432

\$110.00

Note.— Also available online by subscription. See Subscriptions/Digital Products section.

Doc 9433 – Manual Concerning Interception of Civil Aircraft.

This document consolidates all of the ICAO provisions and special recommendations relevant to the subject of interception of civil aircraft. This is expected to assist in understanding of, and providing a ready reference on, the subject which should facilitate the implementation and application of the various provisions and special recommendations.

2nd edition, 1990. 66 pp.

E, A, C, F, R, S

ISBN 92-9194-906-X

Order No. 9433

\$83.00

Doc 9554 – Manual Concerning Safety Measures Relating to Military Activities Potentially Hazardous to Civil Aircraft Operations.

This document provides guidance material which is meant to assist States in providing for the safe and orderly flow of international air traffic in the event that military activities, which constitute potential hazards to civil aircraft, are planned and conducted. The overall objective of the guidance material contained in the document is to promote effective coordination so that such activities may be accommodated within agreed airspace and so that hazardous activities are not conducted over the high seas without prior consultation.

1st edition, 1990. 20 pp.

E, A, C, F, R, S

Order No. 9554

\$29.00

Doc 9574 – Manual on a 300 m (1 000 ft) Vertical Separation Minimum Between FL 290 and FL 410 Inclusive.

The material in this document provides States regional planning groups with a basis for the development of procedures and programmes to enable the use of a 300 m (1 000 ft) vertical separation minimum (VSM) above flight level (FL) 290 in accordance with the criteria and requirements developed by ICAO. It provides guidance to State aviation authorities on those measures necessary to ensure that the criteria and requirements are met within their area of responsibility, as well as background information for operators to assist in the development of operating manuals and flight crew procedures. It is also a basic reference document from which the minimum aircraft system performance specifications for operations in 300 m (1 000 ft) VSM airspace above FL 290 can be developed.

3rd edition, 2012. 60 pp.

E, A, C, F, R, S

ISBN 978-92-9249-059-1

Order No. 9574

\$64.00

Note.— Also available online by subscription. See Subscriptions/Digital Products section.

Doc 9643 – Manual on Simultaneous Operations on Parallel or Near-Parallel Instrument Runways (SOIR).

This manual contains guidance material that is complementary to the Standards and Recommended Practices in Annex 14 and the procedures in the PANS-ATM. It describes in greater detail how simultaneous operations on closely spaced parallel or near-parallel instrument runways can be implemented when the distance between the runway centre lines is 1 035 m (3 400 ft) or more.

2nd edition, 2020. 70 pp.

E, A, C, F, R, S

ISBN 978-92-9258-911-0

Order No. 9643

\$140.00

Doc 9689 – Manual on Airspace Planning Methodology for the Determination of Separation Minima.

This document is intended for use by airspace planners as a basis for changing separation minima. Its primary objective is to guide airspace planners, ICAO Regional Offices and the regional planning groups and to assist them with implementation of CNS/ATM systems, particularly in relation to airspace planning and implementation of performance navigation. The methodology presented in this manual provides a framework by which airspace characteristics, aircraft capability and traffic demand can be assessed for the purpose of determining safe separation minima for en-route operations. The methodology has been designed to ensure that the intended safety level for a proposed airspace meets the required standard.

1st edition, 1998. 119 pp.

E, C, F, R, S

Order No. 9689

\$132.00

Amendment 1 (30/8/02)

Order No. 9689/E/01

\$105.00*

Doc 9694 – Manual of Air Traffic Services Data Link Applications.

This manual provides guidance on a number of air traffic services (ATS) data link applications including automatic dependent surveillance-contract (ADS-C), controller-pilot data link communications (CPDLC), the provision, via data link, of data link flight information services (DFIS) as well as material pertaining to data link initiation capability (DLIC) and ATS interfacility data communication (AIDC). This guidance material is considered part of the evolutionary process of the development and implementation of data link-related technology in support of global harmonization and standardization of data link-based air traffic control systems.

1st edition, 1999. 251 pp.

E, F, R, S

Order No. 9694

\$316.00

Doc 9731 – International Aeronautical and Maritime Search and Rescue (IAMSAR) Manual.

The three volumes of this document provide guidelines for a common aviation and maritime approach to organizing and providing search and rescue (SAR) services.

Volume I – Organization and Management.

Volume I of Doc 9731 discusses the global SAR system concept, establishment and improvement of national and regional SAR systems, and cooperation with neighbouring States to provide effective and economical SAR services.

12th edition, 2022. 164 pp.

E, A, C, F, R, S

ISBN 978-92-801-1734-9

Order No. 9731P1

\$53.00

Volume II – Mission Coordination.

Volume II of Doc 9731 assists personnel who plan and coordinate SAR operations and exercises.

9th edition, 2022. 548 pp.

E, A, C, F, R, S

ISBN 978-92-801-1735-6

Order No. 9731P2

\$94.00

Volume III – Mobile Facilities.

Volume III of Doc 9731 is intended to be carried aboard rescue units, aircraft and vessels to help with the performance of a search, rescue or on-scene coordinator function and with aspects of search and rescue that pertain to their own State's emergencies.

12th edition, 2022. 288 pp.

E, A, C, F, R, S

ISBN 978-92-801-1736-3

Order No. 9731P3

\$91.00

Note.— Also available online by subscription. See Subscriptions/Digital Products section.

Doc 9750 – Global Air Navigation Plan.

Available online only at [Home - ICAO GANP Portal \(https://www4.icao.int/ganpportal/\)](https://www4.icao.int/ganpportal/)

6th edition, 2020.

E, A, C, F, R, S

FREE

Doc 9811 – Restricted – Manual on the Implementation of the Security Provisions of Annex 6.

1st edition, 2002.

E, A, C, F, R, S

Order No. 9811

\$94.00

IMPORTANT NOTICE: Distribution of Doc 9811 is restricted and limited to national Civil Aviation Authorities and other entities responsible for implementing aviation security measures, such as airports and aircraft operators. Purchase requests must be submitted on letterhead clearly identifying the purchaser by name, official title, contact information and the reason for purchase. Mail requests to opsinbox@icao.int with "Purchase request for Doc 9811" indicated in subject line.

Doc 9830 – Advanced Surface Movement Guidance and Control Systems (A-SMGCS) Manual.

This manual provides an overview of the A-SMGCS operational requirements in order to facilitate implementation of various functions in a modular form depending on specific local aerodrome circumstances. Chapters 1 and 2 contain an introduction and an operational concept for A-SMGCS. Chapters 3 to 5 contain performance requirements and guidance on the application of the operational and performance requirements, while the appendices contain operational requirements, A-SMGCS categorization, implementation levels, equipment evolution, target level of safety and A-SMGCS system research.

1st edition, 2004. 90 pp.

E, A, C, F, R, S

ISBN 92-9194-305-3

Order No. 9830

\$114.00

Doc 9854 – Global Air Traffic Management Operational Concept.

The operational concept is intended to guide the planning and implementation of global air traffic management by providing a description of how the emerging and future ATM system should operate. It was developed by the Air Traffic Management Operational Concept Panel (ATMCP) and was endorsed by the Eleventh Air Navigation Conference in 2003 and the Thirty-Fifth Session of the Assembly in 2004.

1st edition, 2005. 86 pp.

E, A, C, F, R, S

ISBN 92-9194-554-4

Order No. 9854

\$106.00

Doc 9869 – Performance-based Communication and Surveillance (PBCS) Manual.

2nd edition, 2017. 212 pp.

E, A, C, F, R, S

ISBN 978-92-9258-244-9

Order No. 9869

\$190.00

Doc 9870 – Manual on the Prevention of Runway Incursions.

This manual provides guidance to States, international organizations, aerodrome operators, air traffic service (ATS) providers and aircraft operators for the implementation of runway safety programmes. Important aspects such as contributory factors, establishing runway incursion prevention programmes, recommendations for the prevention of runway incursions, incident reporting and data collection, classification of the severity of runway incursions and a compendium of best practices applicable to communications, flight deck, air traffic control, airside vehicles as well as references to runway safety toolkits are contained in the manual.

1st edition, 2007. 104 pp.

E, F, R, S

ISBN 92-9194-874-8

Order No. 9870

\$103.00

Doc 9882 – Manual on Air Traffic Management System Requirements.

This document, together with the *Manual on Global Performance of the Air Navigation System* (Doc 9883), provides a comprehensive understanding of the intent of, and delivery mechanisms for, the ATM system envisioned in the Global Air Traffic Management Operational Concept.

1st edition, 2008. 72 pp.

E, F, R, S

ISBN 978-92-9231-061-5

Order No. 9882

\$85.00

Note.— Also available online by subscription. See Subscriptions/Digital Products section.

Doc 9883 – Manual on Global Performance of the Air Navigation System.

This manual was produced by the ICAO Air Traffic Management (ATM) Requirements and Performance Panel within the context of a performance-based global air navigation system. The performance-based approach can be applied in economic management, transition management, safety management, security management, communications, etc. This manual is not replacing any existing ICAO guidance material in these areas, rather it is to be seen as overarching and complementary guidance, introducing a set of performance management terminology and techniques to assist the aviation community members in converging towards a globally harmonized and agreed upon approach.

1st edition, 2009. 176 pp.

E, F, R, S

ISBN 978-92-9231-416-3

Order No. 9883

\$215.00

Doc 9896 – Manual on the Aeronautical Telecommunication Network (ATN) using Internet Protocol Suite (IPS) Standards and Protocols.

This manual contains the minimum communication standards and protocols that will enable implementation of an ICAO aeronautical telecommunication network (ATN) based on the Internet protocol suite (IPS), referred to as the ATN/IPS. The focus of this manual is on interoperability *across* administrative domains in the ATN/IPS internetwork, although the material in this manual may also be used *within* an administrative domain.

2nd edition, 2015. 112 pp.

E, A, C, F, R, S

ISBN 978-92-9249-876-4

Order No. 9896

\$132.00

Doc 9931 – Continuous Descent Operations (CDO) Manual.

The purpose of this manual is to provide guidance on continuous descent operations (CDO) and to harmonize its development and implementation. To achieve this, airspace design, instrument flight procedure design and air traffic control (ATC) techniques should all be employed in a cohesive manner. This will then facilitate the ability of flight crews to use in-flight techniques to reduce the overall environmental footprint and increase the efficiency of aircraft operations.

1st edition, 2010. 76 pp.

E, F, R, S

ISBN 978-92-9231-640-2

Order No. 9931

\$93.00

Doc 9937 – 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.

The purpose of this manual is to provide information and guidance to States on the operating procedures of Regional Monitoring Agencies (RMAs), in order to achieve a standardized approach to the way in which RMAs carry out the functions associated with the safe and efficient use of the reduced vertical separation minimum (RVSM) between FL 290 and FL 410, inclusive.

2nd edition, 2019. 82 pp.

E, A, C, F, R, S

ISBN 978-92-9258-644-7

Order No. 9937

\$119.00

Doc 9965 – Manual on Flight and Flow – Information for a Collaborative Environment (FF-ICE).

This manual is to present a concept for the Flight and Flow Information for a Collaborative Environment (FF-ICE) aiming at the realization of the vision for the future ATM system that requires an environment with significant information content and collaboration. It illustrates information for flow management, flight planning, and trajectory management associated to the ATM operational components and will be used by the ATM community, as the basis from which ICAO Standards and Recommended Practices (SARPs) will be developed, in order to ensure the global implementation in a consistent manner.

1st edition, 2012. 152 pp.

E, A, C, F, R, S

ISBN 978-92-9249-044-7

Order No. 9965

\$176.00

Corrigendum 1 (12/4/13)

Order No. 9965/E/01

FREE

Doc 9971 – Manual on Collaborative Air Traffic Flow Management (ATFM).

This manual provides in its Part I guidance on collaborative decision-making that is defined as an explicit supporting process focused on deciding on a course of action in pursuit of articulated objectives between two or more community members. It guides how ATM community members affected by a decision, share information related to that decision and agree on and apply a decision-making approach and associated principles. The overall objective of the process is to improve the performance of the ATM system as a whole while balancing against the individual performance needs of individual ATM community members. The manual also provides in its Part II guidance on how to implement air traffic flow management (ATFM) services and a description of ATFM measures to be taken in specific operational conditions, including procedures to calculate aerodrome acceptance rates and airspace capacity.

3rd edition, 2018. 228 pp.

E, A, C, F, R, S ISBN 978-92-9258-355-2 **Order No. 9971** **\$212.00**

Doc 9976 – Flight Planning and Fuel Management (FPFM) Manual.

1st edition, 2015. 222 pp.

E, A, C, F, R, S ISBN 978-92-9249-838-2 **Order No. 9976** **\$200.00**

Doc 9985 – Restricted – Air Traffic Management Security Manual.

Doc 9985 complements the *Aviation Security Manual* (Doc 8973–Restricted) and provides guidance on security issues specific to air traffic management (ATM) in order to assist States and air navigation service providers (ANSPs) in implementing appropriate security provisions to meet the published requirements of National Civil Aviation Security Programmes (NCASP). In addition, the manual provides guidance to the ANSP on provision of ATM security services in support of national security and law enforcement requirements, and guidance on protection of the ATM system infrastructure from threats and vulnerabilities.

1st edition, 2013. 154 pp.

E, A, C, F, R, S ISBN 978-92-9249-289-2 **Order No. 9985** **\$180.00**

IMPORTANT NOTICE: Distribution of Doc 9985 is restricted and limited to national Civil Aviation Authorities and other entities responsible for implementing aviation security measures, such as military authorities, air navigation service providers, and airport and aircraft operators. Purchase requests must be submitted on letterhead clearly identifying the purchaser by name, official title, contact information and the reason for purchase. Mail requests to ATM@icao.int with "Purchase request for Doc 9985" indicated in subject line.

Doc 9994 – Manual on Airborne Surveillance Applications.

Airborne surveillance is rapidly evolving with a number of new capabilities planned for introduction into the flight deck. The ICAO Global Air Navigation Plan (GANP) (Doc 9750) requests/requires that these be interoperable in order to allow aircraft to achieve the same levels of safety and efficiency globally. This manual has been developed by the ICAO Airborne Surveillance Task Force (ASTAF) to develop international provisions that ensure global uniformity and interoperability of operations based on the use of ADS-B on the flight deck. The manual covers several airborne surveillance capabilities and applications such as enhanced traffic situational awareness during flight operations (AIRB), enhanced visual separation on approach (VSA) and basic surface situational awareness (SURF) along with the in-trail procedure (ITP) application, which were introduced in the aviation system block upgrades (ASBUs) supporting the *Global Air Navigation Plan (GANP)* (Doc 9750, fourth edition). The manual provides guidance material and aims to support the implementation of those airborne surveillance capabilities and applications, especially that ADS-B is recognized as an essential enabler of the ICAO global concept of operations.

2nd edition, 2020. 66 pp.

E, A, F, R, S, C ISBN 978-92-9265-209-8 **Order No. 9994-D** **\$164.00**

Corrigendum 1 (9/2/21) **Order No. 9994/E/01** **FREE**

Doc 10037 – Global Operational Data Link (GOLD) Manual.

1st edition, 2017. 306 pp.

English only

ISBN 978-92-9258-192-3

Order No. 10037**\$259.00****Doc 10056 – Manual on Air Traffic Controller Competency-based Training and Assessment.**Volume I – *Air Traffic Control (ATC)*.

2nd edition, 2022. 326 pp.

E, A, C, F, S

ISBN 978-92-9265-719-2

Order No. 10056-1**\$374.00**

Corrigendum 1 (11/10/22)

ENGLISH ONLY

Order No. 10056-1/CORR/1/E**FREE**Volume II – *On-the-job Training Instructor (OJT)*.

1st edition, 2022. 114 pp.

E, A, C, F, R, S

ISBN 978-92-9265-720-8

Order No. 10056-2**\$219.00****Doc 10063 – Manual on Monitoring the Application of Performance-based Horizontal Separation Minima.**

This manual provides guidance for monitoring horizontal separation minima in procedurally controlled airspace based on published performance-based operations requirements. It will also assist States and regions to standardize monitoring activities supporting performance-based horizontal separation minima.

1st edition, 2017. 152 pp.

E, A, C, F, R, S

ISBN 978-92-9258-087-2

Order No. 10063**\$140.00****Doc 10088 – Manual on Civil-Military Cooperation in Air Traffic Management.**

1st edition, 2021. 134 pp.

E, A, C, F, R, S

ISBN 978-92-9265-368-2

Order No. 10088**\$12.00**

Corrigendum 1 (16/8/21)

Order No. 10088/E/01**FREE****Doc 10101 – Manual on Flight Crew-Machine Interface Recordings.**

1st edition, 2021. 50 pp.

E, A, C, F, R, S

ISBN 978-92-9265-568-6

Order No. 10101**\$152.00**

Corrigendum 1 (18/10/21)

Order No. 10101/E/01**FREE****Cir 185 – Satellite-aided Search and Rescue – The COSPAS-SARSAT System.**

The purpose of the circular is to acquaint personnel responsible for search and rescue, as well as air traffic services personnel, communications specialists and pilots, with the COSPAS-SARSAT (space system for search of vessels in distress/search and rescue satellite-aided tracking), which introduces space technology to assist in expediting search and rescue activities. It explains how the system assists with search and rescue, and informs States which may be interested in taking advantage of the COSPAS-SARSAT system, of the points of contact, levels of participation and likely costs.

1986. 48 pp.

E, F, R, S

Order No. CIR185**\$61.00**

Cir 211 – Aerodrome Flight Information Service (AFIS).

This circular provides guidance material concerning the designation of AFIS aerodromes; the basic elements of information to be provided; the requirements of AFIS units for information and communications, equipment and facilities; the training of personnel; and the procedures to be used. The document is also intended to facilitate the task of regional air navigation meetings or planning and implementation regional groups in determining ATS requirements and the nature and scope of the service to be provided at individual aerodromes.

1988. 13 pp.

E, F, R, S

Order No. CIR211

\$23.00

Cir 213 – Pilot Skills to make “Look-Out” more effective in Visual Collision Avoidance.

This circular aims to make pilots aware of the skills required to make “look-out” more effective. These skills include the application of effective visual scanning, the ability to listen selectively to radio transmissions from ground stations and other aircraft to create a mental picture of the traffic situation, and the development of habit patterns that can be described as “good airmanship”.

1989. 13 pp.

E, F, R, S

Order No. CIR213

\$22.00

Cir 278 – National Plan for CNS/ATM Systems.

This circular is intended to assist States in structuring, formulating, amending, enhancing and validating their national plans for the transition to CNS/ATM systems to meet both domestic and international operations. The guidance material presented in this circular is consistent with and complementary to the *Global Air Navigation Plan for CNS/ATM Systems* (Doc 9750) and covers operational, technical, economic and harmonization issues related to CNS/ATM systems.

2000. 166 pp.

E, A, C, F, R, S

Order No. CIR278

\$195.00

Cir 319 – A Unified Framework for Collision Risk Modelling in Support of the Manual on Airspace Planning Methodology for the Determination of Separation Minima (Doc 9689).

This circular provides guidance to safety experts who have a background in probability and who want to acquire some expertise in the field of collision risk modelling applied to the determination of separation minima. It contains a theoretical introduction to all the collision risk models (CRMs) used in the *Manual on Airspace Planning Methodology for the Determination of Separation Minima* (Doc 9689) and the *Manual on Implementation of a 300 m (1 000 ft) Vertical Separation Minimum Between FL 290 and FL 410 Inclusive* (Doc 9574) and also provides further applications.

2009. 70 pp.

E, F, R, S

ISBN 978-92-9231-428-6

Order No. CIR319

\$80.00

Cir 321 – Guidelines for the implementation of GNSS longitudinal separation minima.

The purpose of this circular is to provide guidance for applying the global navigation satellite system/distance measuring equipment (GNSS/DME) separation minima. It is aimed at a worldwide audience within the Civil Aviation Authorities responsible for implementing these and other separation minima.

2010. 46 pp.

E, F, R, S

ISBN 978-92-9231-467-5

Order No. CIR321

\$50.00

Cir 324 – Guidelines for Lateral Separation of Arriving and Departing Aircraft on Published Adjacent Instrument Flight Procedures.

The purpose of this circular is to apprise States of the ICAO guidelines and supporting material for the implementation of separation minima developed for arriving and departing aircraft on published adjacent instrument flight procedures (IFPs). This material supports provisions included in the *Procedures for Air Navigation Services – Air Traffic Management* (PANS-ATM, Doc 4444), Chapter 5, 5.4.1.2.1.4 (see Chapter 2 of this circular). It provides for two separation minima between certain performance-based navigation-capable aircraft utilizing IFPs and lateral separation between aircraft on IFPs using protected areas.

2010. 40 pp.

E, F, R, S

ISBN 978-92-9231-666-2

Order No. CIR324

\$50.00

Cir 325 – In-Trail Procedure (ITP) Using Automatic Dependent Surveillance – Broadcast (ADS-B).

Airborne surveillance applications, such as the In-Trail Procedure (ITP), facilitate the climb and descent of aircraft during the en-route phase to achieve optimal flight levels in environments where the absence of air traffic service (ATS) surveillance service or the application of large separation minima is a limiting factor. The benefit of the ITP is significant fuel savings enabling greater payloads to be gained. This document provides information on ITP, its separation minima and the work undertaken by ICAO in this regard. It is aimed at a worldwide audience of the Civil Aviation Authorities and service providers responsible for implementing ITP.

2014. 28 pp.

E, A, C, F, R, S

ISBN 978-92-9249-474-2

Order No. CIR325

\$25.00

Cir 326 – Assessment of ADS-B and Multilateration Surveillance to Support Air Traffic Services and Guidelines for Implementation.

Automated Dependent Surveillance – Broadcast (ADS-B) and Multilateration (MLAT) are additional forms of electronic surveillance that may be used to support air traffic services in en-route and terminal area operations. ADS-B and MLAT may be introduced in areas that are either not served or are partially served by radar. Circular 326 contains the safety assessment carried out to conclude that ADS-B and MLAT may be used to provide a three (3) nautical mile separation minimum. Additionally, the document provides guidelines for the implementation of the minimum.

2012. 40 pp.

E, A, C, F, R, S

ISBN 978-92-9231-980-9

Order No. CIR326

\$52.00

Cir 331 – Implementation of Strategic Lateral Offset Procedures.

2014. 64 pp.

E, A, C, F, R, S

ISBN 978-92-9249-641-8

Order No. CIR331

\$70.00

Cir 335 – Air Traffic Management Service Delivery Management (ATM SDM).

2014. 36 pp.

E, A, C, F, R, S

ISBN 978-92-9249-485-8

Order No. CIR335

\$42.00

Cir 342 – Automatic Dependent Surveillance – Contract (ADS-C) Climb and Descend Procedure (CDP).

2016. 52 pp.

E, A, C, F, R, S

ISBN 978-92-9249-923-5

Order No. CIR342

\$48.00

Cir 347 – Aircraft Tracking Implementation Guidelines.

2017. 62 pp.

E, A, C, F, R, S

ISBN 978-92-9258-249-4

Order No. CIR347

\$55.00

Cir 354 – Implementation of Strategic Lateral Offset Procedures.

2022. 34 pp.

E, A, C, F, R, S

ISBN 978-92-9265-938-7

Order No. CIR354

\$98.00

CMO – CONTINUOUS MONITORING AND OVERSIGHT

Doc 9734 – Safety Oversight Manual.

Part A – *The Establishment and Management of a State's Safety Oversight System.*

This manual provides guidance on the establishment and management of a State's safety oversight system and explains the critical items for safety oversight.

3rd edition, 2017. 46 pp.

E, A, C, F, R, S

ISBN 978-92-9258-336-1

Order No. 9734A

\$48.00

Doc 9735 – Universal Safety Oversight Audit Programme Continuous Monitoring Manual.

This manual provides procedures, information and guidance on the management and conduct of programme activities under the ICAO Universal Safety Oversight Audit Programme Continuous Monitoring Approach (USOAP CMA).

5th edition, 2023. 120 pp.

E, A, C, F, R, S

ISBN 978-92-9275-121-0

Order No. 9735

\$110.00

DGS – DANGEROUS GOODS

Doc 9284 – Technical Instructions for the Safe Transport of Dangerous Goods by Air.

Known as the Technical Instructions or the TIs, this manual serves as the authoritative reference for the safe transport of dangerous goods by air. It provides shippers, operators, State authorities and others involved in the air transport chain with comprehensive instructions and detailed requirements necessary to ensure safety and compliance in the transport of dangerous goods by air.

2025–2026 edition. 976 pp.

E, C, F, R, S

ISBN 978-92-9275-435-8

Order No. 9284

\$272.00

Doc 9284 – Supplement to the Technical Instructions for the Safe Transport of Dangerous Goods by Air.

This document provides information on the safe transport of dangerous goods by air that is primarily of interest to States. It supplements or explains in greater depth the basic information contained in the Technical Instructions.

2025–2026 edition. 318 pp.

E, C, F, R, S

ISBN 978-92-9275-516-4

Order No. 9284SU

\$222.00

Doc 9481 – Emergency Response Guidance for Aircraft Incidents Involving Dangerous Goods.

This document provides guidance to States and operators for developing procedures and policies for dealing with dangerous goods incidents on board aircraft. It contains general information on the factors that may need to be considered when dealing with any dangerous goods incident and provides specific emergency response drill codes for each item listed in the *Technical Instructions for the Safe Transport of Dangerous Goods by Air* (Doc 9284).

2025–2026 edition. 114 pp.

E, C, F, R

ISBN 978-92-9275-561-4

Order No. 9481

\$110.00

Doc 10147 – Guidance on a Competency-based Approach to Dangerous Goods Training and Assessment.

1st Edition, 2021. 60 pp.

E, A, C, F, R, S

ISBN 978-92-9265-122-0

Order No. 10147

\$181.00

IIM – INTEGRATED INFRASTRUCTURE MANAGEMENT

Doc 8071 – Manual on Testing of Radio Navigation Aids.Volume I – *Testing of Ground-based Radio Navigation Systems.*

Volume I of Doc 8071 provides general guidance on the extent of testing and inspection normally carried out to ensure that radio navigation systems meet the Standards and Recommended Practices in Annex 10. The guidance is representative of practices existing in a number of States with considerable experience in the operation and maintenance of these systems.

5th edition, 2018. 186 pp.

E, F, R, S

ISBN 978-92-9258-566-2

Order No. 8071P1

\$222.00

Corrigendum 1 (8/5/19)

Order No. 8071P1/E/02

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Volume II – *Testing of Satellite-based Radio Navigation Systems.*

Volume II of Doc 8071 contains guidance on testing of satellite-based radio navigation systems. Chapters 1 and 2 describe testing of non-precision approach (NPA) procedures using an aircraft-based augmentation system (ABAS). Chapters 3 and 4 describe testing of a satellite-based augmentation system (SBAS) and a ground-based augmentation system (GBAS).

5th edition, 2007. 76 pp.

E, F, R, S

ISBN 92-9194-889-6

Order No. 8071P2

\$79.00

Corrigendum 1 (30/4/08)

Order No. 8071P2/E/01

FREE

Volume III – *Testing of Surveillance Radar Systems.*

Volume III of Doc 8071 describes methods for evaluating the technical and operational performance of surveillance radar systems. It delineates the testing methods currently in use for both primary and secondary radar systems.

2nd edition, 2020. 204 pp.

E, F, R, S

ISBN 978-92-9265-204-3

Order No. 8071P3

\$293.00

Amendment 1 (9/10/02)

Order No. 8071P3/E/01

\$57.00*

Amendment 2 (31/12/06)

Order No. 8071P3/E/02

\$13.00*

Doc 8126 – Aeronautical Information Services Manual.

Guidance material on aspects of the aeronautical information service (AIS), explaining the basic functions of an AIS and the basic type of organization required to assist States in implementing the Standards and Recommended Practices of Annex 15 – *Aeronautical Information Services.*

7th edition, 2022. 714 pp.

ENGLISH

ISBN 978-92-9265-643-0

Order No. 8126

\$540.00

Amendment 1 (30/7/24)

Order No. 8126/AMEND/01/E

\$47.00*

Air Navigation

Doc 8259 – Manual on the Planning and Engineering of the Aeronautical Fixed Telecommunication Network.

This document addresses policy matters, network performance and routing of traffic in the aeronautical fixed telecommunication network (AFTN). It also contains an elaborate description of the common ICAO data interchange network (CIDIN) and guidance material relating to the exchange of operational meteorological (OPMET) data over aeronautical fixed service (AFS) circuits.

5th edition, 1991. 143 pp.

E, F, R, S

Order No. 8259

\$180.00

Doc 8697 – Aeronautical Charts Manual.

Guidance material on aspects of aeronautical charting to assist States in implementing the Standards and Recommended Practices of Annex 4 – *Aeronautical Charts*.

3rd edition, 2016. 322 pp.

E, A, C, F, R, S

ISBN 978-92-9249-947-1

Order No. 8697

\$408.00

Corrigendum 1 (10/6/16) (English only)

Order No. 8697/E/05

FREE

Amendment 1 (11/12/20)

Order No. 8697/E/06

\$14.00*

Doc 9674 – World Geodetic System – 1984 (WGS-84) Manual.

Guidance material on the provision of geographic coordinates referenced to the WGS-84 datum to assist States in the uniform implementation of the Standards and Recommended Practices on WGS-84 as contained in Annexes 4, 11, 14 and 15.

2nd edition, 2002. 117 pp.

E, F, R, S

Order No. 9674

\$158.00

Doc 9718 – Handbook on Radio Frequency Spectrum Requirements for Civil Aviation.

This document contains ICAO policy statements relevant to aviation requirements for radio frequency spectrum and material relevant to the technical and operational aspects of the utilization of the radio frequency spectrum.

Volume I – *ICAO spectrum strategy, policy statements and related information.*

3rd edition, 2023. 454 pp.

E, F, R, S

ISBN 978-92-9275-204-0

Order No. 9718-1

\$481.00

Volume II – *Frequency assignment planning criteria for aeronautical radio communication and navigation systems.*

2nd edition, 2022. 178 pp.

E, A, C, F, R, S

ISBN 978-92-9265-728-4

Order No. 9718-II

\$110.00

Corrigendum 1 (22/7/22)

Order No. 9718-2/CORR/01/E

FREE

Doc 9739 – Comprehensive Aeronautical Telecommunication Network (ATN) Manual.

This document contains guidance material on various technical aspects and functions of the aeronautical telecommunication network (ATN). The material aims to facilitate the understanding of detailed technical provisions that are contained in the *Manual of Technical Provisions for the Aeronautical Telecommunication Network (ATN)* (Doc 9705), and thus to assist in the planning and implementation of the ATN.

1st edition, 2000. 766 pp.

Reprinted incorporating Corrigendum 1 (6/10/00)

English only

Order No. 9739

\$939.00

Doc 9741 – Manual on HF Data Link.

This document provides guidance material on the implementation and use of the high frequency data link (HF DL) which is defined in the Standards and Recommended Practices of Annex 10, Volume III. The guidance material covers several areas within the HF DL system, including airborne avionics, the propagation media and the terrestrial components.

1st edition, 2000. 136 pp.

E, F, R, S

Order No. 9741

\$170.00

Doc 9776 – Manual on VHF Digital Link (VDL) Mode 2.

This document contains the detailed technical specifications for VDL Mode 2. These specifications need to be considered in conjunction with the Standards and Recommended Practices for VDL Mode 2. This document also includes guidance in the implementation of VDL Mode 2. VDL Mode 2 provides an air/ground data link which is compatible with the aeronautical telecommunication network (ATN).

2nd edition, 2015. 166 pp.

E, A, C, F, R, S

ISBN 978-92-9249-681-4

Order No. 9776

\$205.00

Doc 9804 – Manual on Air Traffic Services (ATS) Ground-Ground Voice Switching and Signalling.

This document provides technical guidance, specifications and reference material to assist in the engineering of the ground voice communications facilities specified in Annex 10. It provides recommendations and technical guidance for administrations wishing to migrate their international ATS communications to make use of switched digital networking relating to international ATS communications.

1st edition, 2002. 44 pp.

E, F, R, S

ISBN 92-9194-006-2

Order No. 9804

\$56.00

Doc 9805 – Manual on VHF Digital Link (VDL) Mode 3.

This manual contains guidance material for the Very High Frequency (VHF) Digital Link (VDL) Mode 3 integrated air-ground voice and data link system and provides implementation-related information. It includes material related to system description, concept of operations, and the characterization of the overall system performance.

1st edition, 2002. 310 pp.

English only

Order No. 9805

\$355.00

Doc 9816 – Manual on VHF Digital Link (VDL) Mode 4.

This manual contains a comprehensive description for the Very High Frequency (VHF) Digital Link (VDL) Mode 4, notably the capabilities, technical characteristics, and modes of operation of VDL Mode 4. It complements the Standards and Recommended Practices for VDL Mode 4 as contained in Annex 10.

1st edition, 2004. 406 pp.

English only

ISBN 92-9194-300-2

Order No. 9816

\$472.00

Doc 9849 – Global Navigation Satellite System (GNSS) Manual.

The primary purpose of this manual is to provide information on the implementation aspects of GNSS in order to assist States in the introduction of GNSS operations. It provides a general overview of GNSS-based operations, a GNSS system description and guidance on providing GNSS-based services and includes future prospects for the evolution of GNSS. This manual is to be used in conjunction with the relevant provisions in Annex 10, Volume I.

4th edition, 2023. 142 pp.

E, A, C, F, R, S

ISBN 978-92-9275-141-8

Order No. 9849

\$132.00

Doc 9855 – Guidelines on the Use of the Public Internet for Aeronautical Applications.

This manual provides guidelines on the use of the public Internet for non-time-critical aeronautical applications. The guidelines are high-level and generic and are based on the currently available commercial products and solutions for the purpose of assuring the integrity of messages/data. The manual places a degree of emphasis on the approval/accreditation (by a State) of entities that provide aeronautical information over the Internet.

1st edition, 2005. 46 pp.

E, A, C, F, R, S

ISBN 92-9194-519-6

Order No. 9855

\$55.00

Doc 9861 – Manual on the Universal Access Transceiver (UAT).

The objective of this manual (in conjunction with the UAT SARPs of Annex 10, Volume III) is to define internationally agreed detailed technical specifications for the UAT system that accomplish the following: a) establish a basis for RF compatibility of UAT with other systems operating in the 960 MHz to 1 215 MHz frequency band (ACAS, DME, SSR, TACAN, JTIDS/MIDS and GNSS E5/L5); and b) establish a common basis for UAT inter-system interoperability across implementations manufactured and certified in different regions of the world.

2nd edition, 2012. 282 pp.

E, F, R, S

ISBN 978-92-9249-127-7

Order No. 9861

\$301.00

Doc 9863 – Airborne Collision Avoidance System (ACAS) Manual.

This document is a compendium of information on various technical, operational and other related aspects of the ACAS. It also contains some suggested outlines for the ACAS training of flight crews and air traffic controllers.

3d edition, 2021. 236 pp.

E, F, R, S

ISBN 978-92-9249-423-8

Order No. 9863

\$375.00

Doc 9871 – Technical Provisions for Mode S Services and Extended Squitter.

The purpose of this manual is to specify technical provisions for the formats and associated protocols used in Mode S services and extended squitter. The manual also includes implementation guidelines as well as information on future Mode S and extended squitter services that are under development. The provision of Mode S services, specified in this document, include the following: a) data formats for transponder registers; b) formats for Mode S specific protocols: traffic information broadcast; and dataflash; c) Mode S broadcast protocols, including: 1) uplink broadcast; and 2) downlink broadcast.

2nd edition, 2012. 326 pp.

E, F, R, S

ISBN 978-92-9249-042-3

Order No. 9871

\$403.00

Amendment 1 (9/1/17)

Order No. 9871/E/01

\$14.00*

Amendment 2 (3/4/23)

Order No. 9871/AMEND/02/E

\$15.00*

Doc 9880 – Manual on Detailed Technical Specifications for the Aeronautical Telecommunication Network (ATN) using ISO/OSI Standards and Protocols.

This manual contains the detailed technical specifications for the ATN based on relevant standards and protocols established for open systems interconnection (OSI) by the International Organization for Standardization (ISO) and the Telecommunication Standardization Sector of the International Telecommunication Union (ITU-T).

Part I – Air-Ground Applications.

3rd edition, 2024. 268 pp.

ENGLISH

ISBN 978-92-9275-519-5

Order No. 9880P1

\$305.00

Part II – Ground-Ground Applications – Air Traffic Services Message Handling Services (ATSMHS).

3rd edition, 2024. 132 pp.

ENGLISH ISBN 978-92-9275-527-0 **Order No. 9880-2** **\$135.00****Part III – Upper Layer Communications Service (ULCS) and Internet Communications Service (ICS).**

3rd edition, 2024. 332 pp.

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3rd edition, 2024. 74 pp.

ENGLISH ISBN 978-92-9275-529-4 **Order No. 9880-4** **\$102.00****Doc 9924 – Aeronautical Surveillance Manual.**

Air traffic is growing at a significant rate and at the same time there are increasing demands for more operating flexibility to improve aircraft efficiency and to reduce the impact of air travel on the environment. This document addresses aeronautical surveillance systems as major elements of modern air navigation infrastructure required to safely manage increasing levels and complexity of air traffic. It provides a basic understanding of various systems and how they are used for air traffic surveillance while the appendices contain detailed information on some specific systems and related topics.

3rd edition, 2020. 398 pp.

E, A, C, F, R, S ISBN 978-92-9265-115-2 **Order No. 9924** **\$421.00**Corrigendum 1 (1/4/21) **Order No. 9924/E/03** **FREE****Doc 9925 – Manual on the Aeronautical Mobile Satellite (Route) Service.**

The objective of this manual is to provide an overview of systems operating in the aeronautical mobile-satellite (route) service (AMS(R)S) and offer guidance on the consideration of satellite networks as a platform for AMS(R)S communications for the safety and regularity of flight.

1st edition, 2010. 180 pp.

E, A, C, F, R, S ISBN 978-92-9231-550-4 **Order No. 9925** **\$220.00**Amendment 1 (9/1/17) **Order No. 9925/E/01** **\$40.00*****Doc 9991 – Manual on Aeronautical Information Services Training.**

1st edition, 2023. 82 pp.

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This manual provides States, operators, aircraft owners and other stakeholders with guidance concerning the registration, deregistration and transfer of aircraft from one State to another in accordance with the provisions of the *Convention on International Civil Aviation* and *Annex 7 – Aircraft Nationality and Registration Marks*. This manual also provides guidance on the application of the *Convention on the International Recognition of Rights in Aircraft*, the *Convention on International Interests in Mobile Equipment* and the *Protocol to the Convention on International Interests in Mobile Equipment on Matters specific to Aircraft Equipment* for registering and deregistering purposes.

1st edition, 2022. 56 pp.

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Air Navigation

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These codes are critical elements in the planning of aviation route creation. The information is available in an ESRI format shape file which will be sent by email once your order has been placed.

2016. ESRI format shape file.

English only

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SAF – SAFETY

Doc 9734 – Safety Oversight Manual.

Part B – *The Establishment and Management of a Regional Safety Oversight Organization.*

This manual provides detailed guidance on the establishment, financing, management and sustainable operation of a regional safety oversight organization (RSOO). This manual outlines the duties and responsibilities, individually and/or collectively, of States with respect to RSOOs.

2nd edition, 2011. 92 pp.

E, A, C, F, R, S

ISBN 92-9194-685-0

Order No. 9734B \$91.00

Amendment 1 (9/8/13)

Order No. 9734B/E/01 \$46.00*

Corrigendum 1 (18/10/13)

Order No. 9734B/E/02 FREE

Doc 9859 – Safety Management Manual.

This manual provides detailed guidance on the principles and practices of aviation safety management. It is designed to assist States, aircraft and aerodrome operators and air traffic services providers in implementing the Annex provisions with respect to safety programmes and safety management systems.

4th edition, 2018. 192 pp.

E, A, C, F, R, S

ISBN 978-92-9258-804-5

Order No. 9859 \$277.00

Doc 10004 – Global Aviation Safety Plan.

2023–2025 edition. 52 pp.

E, A, C, F, R, S

ISBN 978-92-9265-725-3

Order No. 10004 \$50.00

Doc 10131 – Manual on the Development of Regional and National Aviation Safety Plans.

This manual complements the 2020–2022 edition of the *Global Aviation Safety Plan* (GASP, Doc 10004). It addresses different aspects to be considered by a region or State when developing or modifying its aviation safety plan and when implementing regional and national aviation safety plans consistent with the GASP. This manual provides guidance that may be used to establish a development process for aviation safety plans, including methods to identify safety enhancement initiatives of the regional or national aviation safety plan; address the relationship between the national aviation safety plan and State safety programme; monitor the plans' implementation and their effectiveness; and report on safety performance measurement, including reporting methods for individual States to the regional aviation safety groups.

1st edition, 2020. 66 pp.

E, A, R, S F, C

ISBN 978-92-9258-939-4

Order No. 10131

\$59.00

Doc 10158 – Manual on Safety Management in Cabin Operations.

This manual addresses the lack of high-level guidance on the application of safety management to cabin operations, and the need to address cabin operations in the broader context of safety management, at both the State and operator levels. It provides guidance on the different aspects that a State should consider when establishing and improving its State safety programme, as well as when accepting and overseeing an operator's safety management system, to ensure both encompass cabin operations and cabin safety-related areas of commercial air transport as part of overarching safety management activities.

1st edition, 2022. 70 pp.

E, A, C, F, R, S

ISBN 978-92-9265-724-6

Order No. 10158

\$143.00

Doc 10193 – Manual on the Effective Safety Oversight of Cabin Operations.

1st edition, 2024. 176 pp.

E, C, F, R, S

ISBN 978-92-9275-289-7

Order No. 10193

\$185.00

MED – AVIATION MEDICINE**Doc 8984 – Manual of Civil Aviation Medicine.**

The main purpose of this manual is to assist and guide designated medical examiners and licensing authorities in decisions relating to the medical fitness of licence applicants as specified in Annex 1 – *Personnel Licensing*. It is also envisaged that the manual might be useful to supplement properly supervised theoretical and practical post-graduate training in aviation medicine. Topics discussed in the manual include licensing practices, aviation physiology, medical assessment, aviation pathology and aviation medical training.

3rd edition, 2012. 580 pp.

E, A, C, F, R, S

ISBN 978-92-9231-959-5

Order No. 8984

\$809.00

Doc 9654 – Manual on Prevention of Problematic Use of Substances in the Aviation Workplace.

The global spread of psychoactive substances, their general availability and the ever-increasing number of addicted users are becoming a growing threat to aviation safety in many States. This document was developed to provide States with a tool for decision-makers to use when deciding on the best policy for their States and for State licensing authorities when planning national strategies; at the same time, airlines and other employers can use this document to implement, on a practical level, established policies and strategies in a cost-effective way, with due regard for both aviation safety and the welfare of their employees. The manual is organized into five chapters: introduction; education of the aviation workforce; identification, treatment and rehabilitation; employment consequences of problematic substance use; and biochemical test programmes.

1st edition, 1995. 100 pp.

E, A, F, R, S

Order No. 9654

\$122.00

Doc 9815 – Manual on Laser Emitters and Flight Safety.

This manual supports the laser-related SARPs in Annexes 11 and 14. It focuses on the medical, physiological and psychological effects on flight crew of exposure to laser emissions. The information and guidance material provided in this manual are primarily directed to decision-makers at government level, laser operators, air traffic control officers, aircrew, aviation medicine consultants to and medical officers of the regulatory authorities, and doctors involved in clinical aviation medicine, occupational health and preventive medicine. The manual is aimed both at reducing the need for regulatory authorities to seek individual expert advice and at reducing inconsistencies between Member States in the implementation of national regulations.

1st edition, 2003. 82 pp.

E, A, C, F, R, S

ISBN 92-9194-058-5

Order No. 9815

\$106.00

MET – METEOROLOGY

Doc 7488 – Manual of the ICAO Standard Atmosphere (extended to 80 kilometres (262 500 feet)).

This manual provides standard values of atmospheric parameters in tabular form for levels up to 80 kilometres. It also gives values of constants and coefficients, as well as the underlying equations used in the calculation of the atmospheric parameters. The document is intended for use in calculations in the design of aircraft, in presenting test results of aircraft and their components under identical conditions, and in facilitating standardization in the development and calibration of instruments. Its use is also recommended in the processing of data from geophysical and meteorological observations. This manual intends to facilitate the uniform application of the ICAO Standard Atmosphere defined in Annex 8 – *Airworthiness of Aircraft* and provides sets of data that are accurate enough for practical applications (identical to ISO standard atmosphere).

3rd edition, 1993. 315 pp.

Quadrilingual: E/F/S/R

Order No. 7488

\$374.00

Doc 8896 – Manual of Aeronautical Meteorological Practice.

This manual aims at meeting the needs of aeronautical meteorologists, particularly those at the working level, as well as the needs of pilots and other aeronautical personnel for guidance on practices to be used in the provision of meteorological service to air navigation. The body of the manual is based primarily on the content of Annex 3 – *Meteorological Service for International Air Navigation* and it contains detailed guidance on meteorological reports and forecasts. The appendices address specific issues such as location of instruments at aerodromes, and guidelines for authorized access to WAFS forecasts and OPMET information through the AFS satellite broadcast and Internet-based services.

13th edition, 2021. 200 pp.

E, A, C, F, R, S

ISBN 978-92-9265-389-7

Order No. 8896

\$187.00

Doc 9328 – Manual of Runway Visual Range Observing and Reporting Practices.

This manual provides guidance on the application of the provisions on RVR given in Annex 3 – *Meteorological Service for International Air Navigation* to the operational environment. The manual is intended to assist States in setting up efficient RVR systems or, where such systems exist, in updating and standardizing them.

3rd edition, 2005. 118 pp.

E, F, R, S

ISBN 92-9194-480-7

Order No. 9328

\$147.00

Amendment 1 (29/8/07)

Order No. 9328/E/03

\$18.00*

Amendment 2 (25/11/13)

Order No. 9328/E/04

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Amendment 3 (31/03/18)

Order No. 9328/E/05

\$23.00*

Amendment 4 (4/12/18)

Order No. 9328/E/06

\$13.00*

Doc 9377 – Manual on Coordination between Air Traffic Services, Aeronautical Information Services and Aeronautical Meteorological Services.

The aim of this manual is to make available to States information and guidance concerning ways and means of improving the coordination between area control centres/flight information centres (ACCs/FICs) and their associated meteorological watch offices (MWOs). It also contains information on relevant modern methods employed by States, in particular in respect of the provision to air traffic services (ATS) units, of weather radar data and of meteorological information required by flights below flight level 100. In addition, the manual provides information on coordination between search and rescue units and meteorological offices.

6th edition, 2014. 144 pp.

E, A, C, F, R, S	ISBN 978-92-9249-698-2	Order No. 9377	\$175.00
Amendment 1 (23/6/17)		Order No. 9377/E/05	\$78.00*
Amendment 2 (24/8/18)		Order No. 9377/E/06	\$12.00*

Doc 9691 – Manual on Volcanic Ash, Radioactive Material and Toxic Chemical Clouds.

The main purpose of this manual is to assist States and international organizations involved in the international airways volcano watch (IAVW) by providing guidance on the scientific aspects of volcanic eruptions and volcanic ash in the atmosphere (including volcanic ash cloud observation/detection and movement) and the effects of volcanic ash on aircraft operations, and by providing guidance regarding States' responsibilities within the IAVW. The manual also provides information concerning the requirements for the provision of warnings to aircraft of radioactive materials and toxic chemical clouds and guidance regarding how these requirements may be satisfied.

3rd edition, 2015. 194 pp.

E, A, C, F, R, S	ISBN 978-92-9249-730-9	Order No. 9691	\$221.00
Amendment 1 (29/6/18)		Order No. 9691/E/08	\$26.00*
Amendment 2 (28/6/19)		Order No. 9691/E/09	\$13.00*
Amendment 3 (10/2/21)		Order No. 9691/E/10	\$29.00*

Doc 9817 – Manual on Low-level Wind Shear.

This manual provides guidance on the application of the provisions related to wind shear detection, reporting and warnings given in Annex 3 – *Meteorological Service for International Air Navigation*. It also contains information on recent technical developments and research, including advances in the development of equipment to detect and warn of wind shear, both ground-based and airborne. The manual is intended to assist States in implementing efficient wind shear warning systems.

1st edition, 2005. 222 pp.

Reprinted, incorporating Amendment 1 and Corrigendum.

E, F, R, S	ISBN 978-92-9231-635-8	Order No. 9817	\$271.00
Amendment 2 (21/2/11)		Order No. 9817/E/04	\$93.00*
Amendment 3 (29/6/18)		Order No. 9817/AMEND/03	\$19.00*
Amendment 4 (8/4/21)		Order No. 9817/E/06	\$23.00*

Doc 9837 – Manual on Automatic Meteorological Observing Systems at Aerodromes.

This manual provides guidance on the application of the provisions related to the use of automatic observing systems at aerodromes given in Annex 3 – *Meteorological Service for International Air Navigation*. The manual is intended to assist States in setting up efficient automatic observing systems at aerodromes or, where such systems exist, in updating and standardizing them.

2nd edition, 2011. 104 pp.

E, A, C, F, R, S

ISBN 978-92-9231-799-7

Order No. 9837

\$124.00

Amendment 1 (14/4/14)

Order No. 9837/E/02

\$34.00*

Amendment 2 (23/6/17)

Order No. 9837/E/03

\$41.00*

Doc 10003 – Manual on the ICAO Meteorological Information Exchange Model.

This manual provides guidance on the application of provisions related to the digital exchange of aeronautical meteorological information given in Annex 3 – *Meteorological Service for International Air Navigation*. The manual is intended to assist States in the implementation of a globally interoperable information exchange model, extensible markup language (XML)/geography markup language (GML) and metadata for aeronautical meteorological information.

2nd edition, 2019. 50 pp.

E, A, C, F, R, S

ISBN 978-92-9258-702-4

Order No. 10003

\$183.00

OPS – FLIGHT OPERATIONS

Doc 7192 – Training Manual.

ICAO has issued guidance material in the form of Training Manuals to assist States in the implementation and uniform application of the Standards and Recommended Practices for the licensing of personnel as specified in Annex 1. The Training Manual is issued in several parts dealing with specific aspects of training for various categories of personnel.

Part D-1 – Aircraft Maintenance (Technician/Engineer/Mechanic).

This part of the Training Manual contains training syllabuses for AMEs that cover both knowledge and skill requirements outlined in Annex 1. The content of this edition has been updated to reflect new technologies and procedures. New subject matter has been included for the first time on topics such as airships, composite materials and Human Factors. The format of the manual reflects the concept of competency-based training and is now consistent with other manuals in the Doc 7192 series.

2nd edition, 2003. 132 pp.

E, F, R, S

ISBN 92-9194-202-2

Order No. 7192D1

\$140.00

Part F-1 – Meteorology for Air Traffic Controllers and Pilots.

This part of the Training Manual presents an updated curriculum on meteorology training for Air Traffic Controllers and Pilots.

1st edition, 2002. 36 pp.

E, F, R, S

Order No. 7192F1

\$37.00

Doc 7383 – Aeronautical Information Services Provided by States.

Part 1 provides essential data concerning the type of aeronautical information service available from various States and how it may be obtained, supplemented by a map indicating the geographical area of responsibility of each service. Part 2 shows the current exchange of NOTAM between NOTAM offices. Part 3 contains a listing of all international airports, including those designated under Article 10 of the Convention on International Civil Aviation. Operational information for each airport includes the location indicator, the geographical coordinates and the types of operations permitted. Any limitations concerning the provision of customs services are summarized for each airport.

102nd edition, June 2014. 168 pp.

Quadrilingual: E/F/R/S

ISBN 978-92-9249-499-5

Order No. 7383/102

\$162.00

ISSN 0443-7918

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Doc 7910 – Location Indicators.

A listing of four-letter location indicators and, where available, corresponding three-character International Air Transport Association (IATA) location identifier codes for geographical locations throughout the world, and a list of the addresses of centres in charge of flight information regions (FIR) and/or upper flight information regions (UIR).

New edition quarterly.

193rd edition, September 2024. 394 pp.

Multilingual: E/A/C/F/R/S

ISBN 978-92-9275-560-7

Order No. 7910/193

\$304.00

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Doc 8335 – Manual of Procedures for Operations Inspection, Certification and Continued Surveillance.

This manual provides States and operators with detailed guidance concerning the establishment and maintenance of safe, regular and efficient international commercial air transport operations. This guidance presents broad objectives and details of acceptable means of compliance with Annex 6 – *Operation of Aircraft*, Part I – *International Commercial Air Transport – Aeroplanes*, and Part III – *International Operations – Helicopters*, which underscore a need for the State of the Operator to exercise a positive and continuing measure of control over operators. The manual outlines the duties and responsibilities of both the State of the Operator and the operator and recognizes their interdependence in maintaining an acceptable standard of operations and safe operating practices.

6th edition, 2022. 188 pp.

E, A, C, F, R, S

ISBN 978-92-9265-739-0

Order No. 8335

\$222.00

Doc 8585 – Designators for Aircraft Operating Agencies, Aeronautical Authorities and Services.

The designators consist of: a) three-letter designators which are used primarily for messaging purposes on the international aeronautical telecommunication service and for aircraft identification by air traffic control (ATC); and b) telephony designators which form the prefix of the aircraft call sign and the call sign for aeronautical ground stations in radiotelephony communications. Parts 1, 2 and 3 consist of encode and decode tables linking aircraft operating agencies, aeronautical authorities and services with their assigned ICAO three-letter and telephony designators. Addresses of government Civil Aviation Authorities are listed in Part 4.

New edition quarterly.

210th edition, October 2024. 300 pp.

Multilingual: E/A/C/F/R/S

ISBN 978-92-9275-601-7

Order No. 8585/210

\$320.00

Note.— Some parts of the document are given in English, Arabic, Chinese, French, Spanish and Russian. Other parts of the document are in English only.

Air Navigation

Doc 8643 – Aircraft Type Designators.

Designators for aircraft types commonly provided with air traffic services (ATS): Part 1 lists the common names of aircraft manufacturers and their aircraft types; Part 2 lists aircraft by their type designators showing manufacturers and models; Part 3 lists aircraft by model number and/or model name; and Part 4 lists the full names of aircraft *manufacturers*.

52nd edition, April 2024. 344 pp.

Multilingual: E/A/C/F/R/S

ISBN 978-92-9275-342-9

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\$344.00

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Three-letter and telephony designators are assigned on a worldwide basis to an aircraft operating or servicing company for commercial domestic/international operations.

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5th edition, 2024. 144 pp.

E, C, F, R, S

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\$160.00

Doc 9368 – Instrument Flight Procedures Construction Manual.

This manual provides the instrument procedure designer guidance on how to design instrument flight procedures based on the criteria contained in the Procedures for Air Navigation Services *OPS – Aircraft Operations*, Volume II – *Construction of Visual and Instrument Flight Procedures* (Doc 8168).

2nd edition, 2002. 311 pp.

E, F, R, S

Order No. 9368

\$362.00

Doc 9379 – Manual of Procedures for Establishment and Management of a State's Personnel Licensing System.

This manual contains guidance material for States about the procedures for the issuance and maintenance of licences to fulfil their obligations specified in Annex 1.

2nd edition, 2012. 222 pp.

E, A, C, F, R, S

ISBN 978-92-9249-117-8

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\$228.00

Amendment 1 (3/11/22).

Order No. 9379/AMEND/01/E

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Doc 9613 – Performance-based Navigation (PBN) Manual.

This manual identifies the relationship between RNAV and RNP applications and the advantages and limitations of choosing one or the other as the navigation requirement for an airspace concept. It also aims at providing practical guidance to States, air navigation service providers and airspace users on how to implement RNAV and RNP applications, and how to ensure that the performance requirements are appropriate for the planned application.

5th edition, 2023. 398 pp.

E, C, F, R, S

ISBN 978-92-9275-221-7

Order No. 9613

\$610.00

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The bundle consists of Doc 9613 – *Performance-based Navigation (PBN) Manual*, Doc 9992 – *Manual on the Use of Performance-based Navigation (PBN) in Airspace Design* and Doc 9997 – *Performance-based Navigation (PBN) Operational Approval Manual*.

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Doc 9625 – Manual of Criteria for the Qualification of Flight Simulation Training Devices.

Volume I – *Aeroplanes*.

Volume I of this manual provides States, manufacturers and operators with guidance material covering the criteria for the initial and periodic qualification and evaluation of aeroplane flight simulation training devices (FSTD). Seven standard examples of FSTD are defined, to support identified training types. The manual also allows the determination of criteria for an FSTD tailored to specific training needs. This “à la carte” determination is constructed using a comprehensive list of training tasks, with associated requirements for FSTD features.

4th edition, 2015. 616 pp.

E, A, C, F, R, S

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Air Navigation

Volume II – Helicopters.

Volume II of this manual provides States, manufacturers and operators with guidance material covering the criteria for the initial and periodic qualification and evaluation of helicopter flight simulation training devices (FSTD). Five standard types of FSTD are defined, to support identified training programmes. The manual also allows the determination of criteria for an FSTD tailored to specific training needs. This “à la carte” determination is constructed using a comprehensive list of training tasks, with associated requirements for FSTD features.

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Doc 9640 – Manual of Aircraft Ground De-icing/Anti-icing Operations.

3rd edition, 2018. 68 pp.

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Doc 9683 – Human Factors Training Manual.

Part 1 introduces basic aviation Human Factors concepts. Part 2 outlines Human Factors training programmes for operational personnel.

1st edition, 1998. 350 pp.

Reprinted, incorporating Amendments 1 and 2.

E, F, R, S ISBN 92-9194-905-1 **Order No. 9683** **\$313.00**

Doc 9760 – Airworthiness Manual.

This manual provides guidance to States on the establishment of an airworthiness inspection organization to meet their obligation under the Convention on International Civil Aviation to ensure that the aircraft on their registers are maintained in an airworthy condition. It also provides guidance to operators and State authorities on procedures for maintaining the airworthiness of aircraft. Technical guidance material on specific airworthiness topics is included to assist in the uniform implementation of Annex 8 – *Airworthiness of Aircraft* and in the development of a State's national regulations.

4th edition, 2020. 420 pp.

E, A, C, F, R, S ISBN 978-92-9265-135-0 **Order No. 9760** **\$646.00**

Corrigendum 1 (26/2/21) **Order No. 9760/E/03** **FREE**

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This manual presents basic information on the use of the Line Operations Safety Audit (LOSA), an organizational strategy aimed at improving the management of human error and developing countermeasures to error in operational environments. LOSA focuses on the use of expert and highly trained observers to collect data about flight crew behaviour and situational factors on “normal” flights.

1st edition, 2002. 62 pp.

E, A, C, F, R, S **Order No. 9803** **\$86.00**

Doc 9806 – Human Factors Guidelines for Safety Audits Manual.

This manual provides the ICAO Universal Safety Oversight Audit Programme auditors, Member States and auditors in particular specialities with standard procedures for the conduct of safety oversight audits, with respect to those factors dealing with human performance. It is also designed to assist States in the evaluation of the implementation of Human Factors requirements contained in ICAO Annexes.

1st edition, 2002. 142 pp.

E, F, R, S ISBN 92-9194-007-0 **Order No. 9806** **\$169.00**

Doc 9824 – Human Factors Guidelines for Aircraft Maintenance Manual.

As a companion document to the Human Factors Training Manual (Doc 9683), this manual provides basic information on the management of human error in aviation maintenance. Its target audience includes the managers of both civil aviation administrations and the airline industry including airline safety, training, operational and maintenance managers.

1st edition, 2003. 169 pp.

E, A, C, F, R, S

ISBN 92-9194-134-4

Order No. 9824

\$212.00

Doc 9835 – Manual on the Implementation of ICAO Language Proficiency Requirements.

This manual provides guidance on the implementation of the safety critical ICAO language provisions for flight crew and air traffic controllers. It includes information that assists Member States, operators, air navigation service providers and the aviation language training and testing industry can use to implement the language provisions.

2nd edition, 2010. 150 pp.

E, A, C, F, R, S

ISBN 978-92-9231-549-8

Order No. 9835

\$182.00

Doc 9839 – Manual on the Quality Management System for Aeronautical Information Services.

1st edition, 2022. 56 pp.

E, A, C, F, S

ISBN 978-92-9265-892-2

Order No. 9839

\$138.00

Doc 9841 – Manual on the Approval of Training Organizations.

This document provides information and guidance to the Licensing Authority on the implementation of Annex 1 Standards related to the approval of training organizations. It describes the process through which approval is granted to a training organization, the contents of an application proposal to become an approved training organization (ATO), the quality assurance system and, where applicable, the safety management system needed to maintain approval.

3rd edition, 2018. 96 pp.

E, A, C, F, R, S

ISBN 978-92-9258-394-1

Order No. 9841

\$102.00

Doc 9905 – Required Navigation Performance Authorization Required (RNP AR) Procedure Design Manual.

This manual is intended for use by aircraft operators and procedure designers of instrument approaches based on RNP using RNAV avionics systems, where authorization is required (AR). The manual includes design criteria to aid States in the implementation of RNP AR approach procedures in accordance with the PBN Manual, Volume II, Part C, Chapter 6, Implementing RNP AR APCH. Similar criteria for departure procedures will be incorporated when developed.

3rd edition, 2021. 74 pp.

E, A, C, F, R, S

ISBN 978-92-9265-613-3

Order No. 9905

\$152.00

Corrigendum 1 (28/2/24)

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Doc 9906 – Quality Assurance Manual for Flight Procedure Design.

Doc 9906 has been assembled to provide guidance in attaining the stringent requirements for quality assurance in the flight procedure design process.

Volume 1 – *Flight Procedure Design Quality Assurance System.*

This volume provides guidance for quality assurance in the procedure design processes, such as procedure design documentation, verification and validation methods, guidelines about the acquisition/processing of source information/data. It also provides a generic process flow diagram for the design and the implementation of flight procedures.

1st edition, 2009. 62 pp.

E, A, C, F, R, S

ISBN 978-92-9231-337-1

Order No. 9906-1

\$60.00

Amendment 1 (8/8/13)

Order No. 9906-1/E/01

\$20.00*

Air Navigation

Volume 2 – *Flight Procedure Designer Training (Development of a Flight Procedure Designer Training Programme)*. This volume provides guidance for the establishment of flight procedure designer training. Training is the starting point for any quality assurance programme. This volume provides guidance for the establishment of a training programme.

1st edition, 2009. 98 pp.

E, A, C, F, R, S

ISBN 978-92-9231-352-4

Order No. 9906-2

\$100.00

Amendment 1 (8/8/13)

Order No. 9906-2/E/01

\$29.00*

Volume 3 – *Flight Procedure Design Software Validation*.

This volume provides guidance for the validation (not certification) of procedure design tools, notably with regard to criteria.

1st edition, 2010. 102 pp.

E, A, C, F, R, S

ISBN 978-92-9231-450-7

Order No. 9906-3

\$102.00

Corrigendum (22/2/11)

Order No. 9906-3/E/01

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Amendment 1 (8/8/13)

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Volume 5 – *Validation of Instrument Flight Procedures*.

This volume provides guidance for conducting validation of instrument flight procedures, including safety, flyability and design accuracy.

1st edition, 2012. 54 pp.

E, A, C, F, R, S

ISBN 978-92-9231-996-0

Order No. 9906-5

\$55.00

Volume 6 – *Flight Validation Pilot Training and Evaluation (Development of a Flight Validation Pilot Training Programme)*.

This volume provides guidance for the establishment of flight procedure validation pilot training. Training is the starting point for any quality assurance system. This volume also provides guidance for the establishment of a training programme.

1st edition, 2012. 68 pp.

E, A, C, F, R, S

ISBN 978-92-9249-066-9

Order No. 9906-6

\$70.00

Doc 9910 – Normal Operations Safety Survey (NOSS).

This manual introduces the Normal Operations Safety Survey (NOSS), a methodology for capturing safety data during normal air traffic control (ATC) operations. The NOSS methodology is based on the Threat and Error Management (TEM) framework and is a safety management tool to monitor safety during normal aviation operations. Monitoring safety in normal operations is an essential activity within the safety management systems of air traffic services (ATS) provider organizations, and NOSS is proposed as a suitable way to do this. In introducing NOSS, the manual also presents the latest information available to international civil aviation on the control of systemic error in operational environments, from the perspective of safety management. Its target audience includes senior safety, training and operational personnel in ATS and regulatory bodies.

1st edition. 2008. 86 pp.

E, A, C, F, R, S

ISBN 978-92-9231-153-7

Order No. 9910

\$106.00

Doc 9966 – Manual for the Oversight of Fatigue Management Approaches.

2nd edition, Version 2 (Revised), 2020. 225 pp.

ENGLISH

Order No. 9966**\$12.00****Doc 9992 – Manual on the Use of Performance-based Navigation (PBN) in Airspace Design.**

This manual explains how to utilize Performance-based Navigation (PBN) in developing an airspace concept through a step-by-step process. It should be used by airspace designers and other stakeholders involved in the design process (regulators, airlines, procedures designers, military, airport operators, etc.) in order to appropriately apply PBN concepts and thus maximize the capacity and efficient use of the airspace.

1st edition, 2013. 52 pp.

E, A, C, F, R, S

ISBN 978-92-9249-225-0

Order No. 9992**\$60.00**

Amendment 1 (12/9/24)

Order No. 9992/AMEND/01/E**\$13.00*****Doc 9993 – Continuous Climb Operations (CCO) Manual.**

The purpose of this manual is to provide guidance on continuous climb operations (CCO) and to harmonize its development and implementation. To achieve this, airspace design, instrument flight procedure design and air traffic control (ATC) techniques should all be employed in a cohesive manner. This will then facilitate the ability of flight crews to use CCO to reduce the overall environmental footprint and increase the efficiency of aircraft departure operations. This manual is intended for airspace designers, regulators, airlines, procedures designers, military and airport operators.

1st edition, 2013. 70 pp.

E, A, C, F, R, S

ISBN 978-92-9249-255-7

Order No. 9993**\$82.00**

Corrigendum 1 (28/11/13)

Order No. 9993/E/01**FREE****Doc 9995 – Manual of Evidence-based Training.**

This manual is intended to provide guidance to Civil Aviation Authorities, operators and approved training organizations in the implementation of evidence-based training (EBT) methodology. The EBT programme and philosophy are intended as a means of assessing and training key areas of flight crew performance in a recurrent training system. EBT is optional. When choosing to implement EBT in their regulatory framework, States shall ensure that operators and training organizations apply the principles of Doc 9995 when developing and implementing such recurrent training programmes.

1st edition, 2013. 162 pp.

E, A, C, F, R, S

ISBN 978-92-9249-242-7

Order No. 9995**\$198.00**

Corrigendum 1 (6/1/14)

Order No. 9995/E/01**FREE****Doc 9997 – Performance-based Navigation (PBN) Operational Authorization Manual.**

This document provides important safety-related guidance on the operational approval process, in the context of performance-based navigation (PBN). It provides the appropriate level of oversight for all PBN operations, in an environment where there are currently many variables affecting State regulatory requirements including related equipment, engineering and operational issues. It is intended primarily for flight operations inspectors and others involved in the regulation and authorization of PBN operations.

3rd edition, 2024. 138 pp.

E, C, F

ISBN 978-92-9275-521-8

Order No. 9997**\$180.00**

* Free with purchase of corresponding document.

Doc 10000 – Manual on Flight Data Analysis Programmes (FDAP).

This manual is addressed to States providing oversight to air operators as well as air operators performing commercial air transport operations with aeroplanes and helicopters. The objective of this manual is to provide: a description of the relationship between SMS and FDAP; an overview of the FDAP elements; and guidance for the establishment and implementation of an FDAP.

2nd edition, 2021. 50 pp.

E, A, C, F, R, S

ISBN 978-92-9265-588-4

Order No. 10000

\$100.00

Doc 10002 – Cabin Crew Safety Training Manual.

The ICAO *Cabin Crew Safety Training Manual* (Doc 10002) provides guidance related to cabin crew training requirements found in Annex 6 – *Operation of Aircraft, Part I – International Commercial Air Transport – Aeroplanes*. ICAO developed guidance for a competency-based approach to cabin crew safety training so that cabin crew members may be proficient to perform their duties and responsibilities, and with the goal of establishing an international baseline for cabin crew competencies. The manual presents cabin crew safety training using a competency-based approach. It provides guidance for operators to develop cabin crew competency-based training, and to States for the approval of cabin crew training programmes.

2nd edition, 2020. 294 pp.

E, A, C, F, R, S

ISBN 978-92-9258-952-3

Order No. 10002

\$598.00

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Doc 10011 – Manual on Aeroplane Upset Prevention and Recovery Training.

Reducing the number of loss of control in flight (LOC-I) accidents is an ICAO priority, and ICAO has developed harmonized training requirements for flight crews that address the avoidance and mitigation of LOC-I events. ICAO has also introduced improvements to existing Standards and Recommended Practices (SARPs) and corresponding guidance material. Both on-aeroplane training at the commercial pilot and multi-crew pilot levels and training in a flight simulation training device at the airline transport pilot and type rating level are now promulgated in Annex 1 – *Personnel Licensing* and Annex 6 – *Operation of Aircraft, Part I – International Commercial Air Transport – Aeroplanes*, as well as in the *Procedures for Air Navigation Services – Training* (PANS-TRG, Doc 9868). This manual provides guidance to support these new provisions and is only applicable to the training of aeroplane pilots.

1st edition, 2014. 101 pp.

E, A, C, F, R, S

ISBN 978-92-9249-563-3

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2nd edition, 2018. 64 pp.

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The manual contains guidance for States to develop regulations and approval processes enabling the use of child restraint systems (CRS). It also provides guidance for operators when identifying CRS for use on board aircraft, recommended content of relevant policies, procedures, and training programmes, as well as guidelines for managing change through their safety management systems (SMS) to allow the use of CRS on board their aircraft.

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This manual provides additional guidance to the provisions in the *Procedures for Air Navigation Services – Training* (PANS-TRG, Doc 9868) to support stakeholders in the successful implementation of competency-based training and assessment for air traffic safety electronics personnel (ATSEP)

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Doc 10085 – Extended Diversion Time Operations (EDTO) Manual.

1st edition, 2017. 112 pp.

E, A, C, F, R, S

ISBN 978-92-9258-327-9

Order No. 10085

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Doc 10086 – Manual on Information and Instructions for Passenger Safety

This manual provides guidance to States in support of provisions in *Annex 6 – Operation of Aircraft*, Part I – *International Commercial Air Transport – Aeroplanes* on the safety-related information and instructions that an operator should provide to passengers. The information contained in this document is also applicable as guidance to meet ICAO requirements found in Annex 6, Part II – *International General Aviation – Aeroplanes* and Annex 6, Part III – *International Operations – Helicopters*. Additionally, the manual presents guidance for airworthiness Standards related to passenger information signs, markings and placards that should be located in the cabin, as well as other aspects related to the safety of passengers on board aircraft.

1st edition, 2018. 68 pp.

E, A, C, F, R, S

ISBN 978-92-9258-356-9

Order No. 10086

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Doc 10098 – Manual on Competency-based Training and Assessment for Aircraft Maintenance Personnel.

1st edition, 2021. 112 pp.

E, A, C, F, R, S

ISBN 978-92-9265-538-9

Order No. 10098

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Doc 10106 – Manual on Flight Operations Officers/Flight Dispatchers Competency-based Training and Assessment.

1st edition (Revised), 2021. 232 pp.

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1st edition, 2019. 39 pp.

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1st Edition, 2020. 80 pp.

E, A, R, C, S, F

ISBN 978-92-9265-240-1

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Doc 10146 – Manual on Airworthiness Approvals for Changing Aircraft Cabin Interiors.

1st edition, 2020. 46 pp.

E, A, C, F, R, S

ISBN 978-92-9265-105-3

Order No. 10146

\$164.00

Doc 10185 – Manual on the Critical Incident Response Programme for Cabin Crew.

1st edition, 2023. 74 pp.

E, A, C, F, R, S

ISBN 978-92-9275-096-1

Order No. 10185

\$127.00

Corrigendum 1 (28/8/23)

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Doc 10203 – Manual on the System-wide Information Management (SWIM) Implementation.

The main purpose of the *Manual on the System-wide Information Management (SWIM) Implementation* (Doc 10203) is to assist organizations in the planning and implementation of information services to make the air traffic management (ATM)-related information available, allowing information service providers to interact effectively with information service consumers.

1st edition, 2024. 160 pp.

ENGLISH

ISBN 978-92-9275-585-0

Order No. 10203

\$145.00

Cir 234 – Human Factors Digest No. 5 – Operational Implications of Automation in Advanced Technology Flight Decks.

This circular introduces basic Human Factors considerations in the operation and training of advanced-technology flight deck aircraft.

1992. 44 pp.

E, F, R, S

Order No. CIR234

\$53.00

Cir 240 – Human Factors Digest No. 7 – Investigation of Human Factors in Accidents and Incidents.

This circular discusses background and introduces a protocol for the investigation of Human Factors issues in accidents and incidents.

1993. 60 pp.

E, F, R, S

ISBN 92-9194-296-0

Order No. CIR240

\$82.00

Cir 241 – Human Factors Digest No. 8 – Human Factors in Air Traffic Control.

This circular discusses basic Human Factors issues in air traffic control, including workstation design and personnel selection and training.

1993. 45 pp.

E, F, S

Order No. CIR241

\$64.00

Cir 247 – Human Factors Digest No. 10 – Human Factors, Management and Organization.

This circular introduces the concept of systemic safety, and presents the background information as well as a protocol to implement safety programmes.

1993. 47 pp.

E, F, R, S

Order No. CIR247

\$64.00

Cir 249 – Human Factors Digest No. 11 – Human Factors in CNS/ATM Systems.

This circular introduces the concept of human-centred automation.

1994. 37 pp.

E, F, R, S

Order No. CIR249

\$52.00

Cir 253 – Human Factors Digest No. 12 – Human Factors in Aircraft Maintenance and Inspection.

This circular discusses basic Human Factors issues in aircraft maintenance and inspection, including maintenance personnel selection and training.

1995. 46 pp.

E, F, R, S

Order No. CIR253

\$59.00

Cir 300 – Human Factors Digest No. 15 – Human Factors in Cabin Safety.

This digest is an introduction to relevant Human Factors considerations for aircraft passenger cabin safety. Its target audience includes safety, training and front-line operational personnel in industry, regulatory bodies, and manufacturers.

2003. 64 pp.

E, A, C, F, R, S

ISBN 92-9194-164-6

Order No. CIR300

\$82.00

Cir 301 – New Larger Aeroplanes – Infringement of the Obstacle Free Zone: Operational Measures and Aeronautical Study.

The purpose of this circular is to provide operational information to Member States wishing to introduce new larger aeroplane operations at existing aerodromes. It describes a study focused on the dimensions of the obstacle free zone, as described in Annex 14. The study utilized flight simulators and computer simulations to investigate the probability of collision during a balked landing for code letter F aeroplane operations at code letter E aerodromes.

2005. 274 pp.

E, A, C, F, R, S

ISBN 978-92-9249-427-8

Order No. CIR301

\$313.00

Cir 302 – Human Factors Digest No. 16 – Cross-Cultural Factors in Aviation Safety.

This digest presents the safety case for cross-cultural factors in aviation by focusing not on cultures per se but on cultural interfaces, those situations where members of one culture encounter people or artifacts from other cultures. Its target audience includes international and local regulatory authorities, aircraft manufacturers, airline personnel, as well as managers of both civil aviation administrations and the airline industry, including airline operational and training managers, regulatory bodies, safety and investigation agencies and training establishments, and senior and middle non-operational airline management.

2004. 44 pp.

E, A, F, R, S

ISBN 92-9194-227-8

Order No. CIR302

\$56.00

Cir 314 – Threat and Error Management (TEM) in Air Traffic Control.

This circular describes an overarching safety framework intended to contribute to the management of safety in aviation operations and known as TEM. The main objective of introducing the TEM framework to the ATS community in general, and the ATC community in particular, is to enhance aviation safety and efficiency. This is achieved by providing an operationally relevant and highly intuitive framework for understanding and managing system and human performance in operational contexts.

2008. 36 pp.

E, A, C, F, R, S

ISBN 978-92-9231-150-6

Order No. CIR314

\$43.00

Cir 318 – Language Testing Criteria for Global Harmonization.

This circular provides guidance on processes for testing candidates in accordance with the ICAO language proficiency requirements as well as on recommended criteria for the development or selection of aviation language testing programmes. The guidance material presented in this circular is complementary to the *Manual on the Implementation of ICAO Language Proficiency Requirements* (Doc 9835).

2009. 45 pp.

E, A, C, F, R, S

ISBN 978-92-9231-271-8

Order No. CIR318

\$48.00

Cir 322 – Guidelines for the Implementation of GNSS Lateral Separation Minima based on VOR Separation Minima.

This circular provides guidance for applying the global navigation satellite system (GNSS) lateral separation minima based on the VHF omnidirectional radio range (VOR) lateral separation minima for GNSS equipment that, as a minimum, meet the requirements of Annex 10 – *Aeronautical Telecommunications, Volume I – Radio Navigation Aids*.

2014. 44 pp.

E, A, C, F, R, S

ISBN 978-92-9249-492-6

Order No. CIR322

\$56.00

Cir 323 – Guidelines for Aviation English Training Programmes.

Currently, there is no system of accreditation or qualification for schools or teachers developing and delivering aviation English training. Like aviation English testing, aviation English training is an unregulated industry. This circular seeks to lay down a set of principles of best practice and guidelines by which any aviation English training can be assessed. The circular addresses four areas: Aviation English training design and development; Aviation English training delivery; Aviation English trainer profiles and backgrounds; and Aviation English trainer training.

2009. 78 pp.

E, A, C, F, R, S

ISBN 978-92-9231-403-3

Order No. CIR323

\$90.00

Cir 338 – Helicopter Medical Transport (HMT) Safety Circular.

This document is meant to provide guidance and information derived from HMT best practices all over the world and focuses on mitigation of the risks that were considered the main contributing factors for the disproportionate number of occupant fatalities and injuries.

1st edition. 2015. 32 pp.

E, A, C, F, R, S

ISBN 978-92-9249-677-7

Order No. CIR338

\$38.00

Cir 340 – Guidelines for the Expanded Use of Portable Electronic Devices.

2015. 48 pp.

E, A, C, F, R, S

ISBN 978-92-9249-697-5

Order No. CIR340

\$60.00

Cir 344 – Guidelines on Education, Training and Reporting Practices related to Fume Events.

This circular provides guidance to States to support the development of relevant advisory material for operators to provide flight crew, cabin crew and aircraft maintenance technicians (AMT) with suitable awareness and/or training to enable them to prevent, recognize and respond to the presence of fumes/odour, particularly aircraft air supply system-sourced fumes/odour. The content of this circular is intended to complement relevant national regulatory requirements.

2015. 32 pp.

E, A, C, F, R, S

ISBN 978-92-9249-856-6

Order No. CIR344

\$33.00

Cir 349 – Guidelines for the Implementation of Lateral Separation Minima.

2024. 70 pp.

E, C, F, R

ISBN 978-92-9275-467-9

Order No. CIR349

\$59.00

Cir 350 – Guidelines for the Implementation of Reduced Divergence Departures.

2020. 35 pp.

E, A, C, F, R, S

ISBN 978-92-9258-910-3

Order No. CIR350

\$44.00

Air Navigation

Cir 352 – Guidelines for Training Cabin Crew on Identifying and Responding to Trafficking in Persons.

2018. 30 pp.

E, A, C, F, R, S

ISBN 978-92-9258-430-6

Order No. CIR352

\$34.00

Cir 353 – Transition Planning for Change to Instrument Flight Procedure Approach Chart Identification from RNAV to RNP.

2018. 68 pp.

E, A, C, F, R, S

ISBN 978-92-9258-455-9

Order No. CIR353

\$52.00

Cir 356 – Guidelines on Digital Learning for Cabin Crew Training.

2020. 30 pp.

E, A, C, F, R, S

ISBN 978-92-9258-886-1

Order No. CIR356

\$38.00

Cir 357 – Guidelines for Reporting Trafficking in Persons by Flight and Cabin Crew.

2021. 24 pp.

E, A, C, F, R, S

ISBN 978-92-9265-433-7

Order no. CIR 357

\$22.00

Cir 359 – Development of Procedures for Visual Manoeuvring with Prescribed Tracks using Required Navigation Performance.

2023. 60 pp.

E, A, F, R, S

ISBN 978-92-9275-055-8

Order No. CIR359

\$56.00

Cir 360 – Guidance on Safeguarding Measures to Protect Radio Altimeters from Potential Harmful Interference.

Accounting for global concerns over the escalation of potential harmful interference to radio altimeters, this circular provides background and summarizes the potential impact of International Mobile Telecommunications (IMT), especially 5G on radio altimeters during aircraft operation. It describes methodologies for defining appropriate safeguarding measures for aerodromes and heliports as well as a long-term plan for the evolution of radio altimeters. In addition, its Appendix lists several short-term safeguarding measures which have been adopted by several States with the aim of providing examples of such technical measures as best practice.

2024. 52 pp.

E, C, F, S, R

ISBN 978-92-9275-317-7

Order No. CIR360

\$35.00

Cir 363 – Guidelines for Building Resilience in Cabin Operations.

2024. 32 pp.

E, C, F, R

ISBN 978-92-9275-537-9

Order No. CIR363

\$20.00

RPAS – REMOTELY PILOTED AIRCRAFT SYSTEMS
Doc 10019 – Manual on Remotely Piloted Aircraft Systems (RPAS).

This manual provides information relevant to the introduction of remotely piloted aircraft systems (RPAS) into non-segregated airspace and at aerodromes, including discussion of airworthiness, operations, licensing, air traffic management, command and control, detect and avoid, safety management, as well as legal and security issues. It is aimed at a worldwide audience within the Civil Aviation Authorities, RPAS operators, communications service providers, manufacturers, air navigation service providers, aerodrome operators, other airspace users and other stakeholders.

1st edition, 2015. 166 pp.

E, A, C, F, R, S

ISBN 978-92-9249-718-7

Order No. 10019

\$232.00

REPORTS OF MEETINGS

Reports of divisional-type, regional-type, and panel-type meetings of worldwide interest, containing the recommendations and main considerations relating to the agenda of each meeting.

DIVISIONAL-TYPE MEETINGS

The reports of the earlier meetings are out of print.

Air Navigation Conferences**Doc 9707 – Report of the Directors General of Civil Aviation Conference on a Global Strategy for Safety Oversight.**

Montreal, 10–12 November 1997. 52 pp.

E, A, F, R, S

Order No. 9707

\$64.00

Doc 9719 – Report of the World-Wide CNS/ATM Systems Implementation Conference.

Rio de Janeiro, 11–15 May 1998. 58 pp.

E, A, F, R, S

Order No. 9719

\$68.00

Doc 9828 – Report of the 11th Conference.

Montréal, 22 September–3 October 2003. 2004. 222 pp.

E, A, C, F, R, S

ISBN 92-9194-280-4

Order No. 9828

\$249.00

Doc 10007 – Report of the 12th Air Navigation Conference.

Montréal, 19–30 November 2012. 500 pp.

E, A, C, F, R, S

ISBN 978-92-9249-266-3

Order No. 10007

\$574.00

Doc 10115 – Report on the Thirteenth Air Navigation Conference.

Montréal, 9–19 October 2019. 118 pp.

E, A, C, F, R, S

ISBN 978-92-9258-647-8

Order No. 10115

\$110.00

Air Navigation

Doc 10209 – Report on the Fourteenth Air Navigation Conference.

Montréal, 26 August to 6 September 2024. 68 pp.

E, C, R

ISBN 978-92-9275-606-2

Order No. 10209

\$56.00

AIG – Accident and Incident Investigation

Doc 9753 – Report of the Accident Investigation and Prevention (AIG) Divisional Meeting (1999) (AIG/99).

Montreal, 14–24 September 1999. 122 pp.

E, A, F, R, S

Order No. 9753

\$140.00

Doc 9914 – Report of the Accident Investigation and Prevention (AIG) Divisional Meeting (2008) (AIG/08).

Montréal, 13–18 October 2008. 90 pp.

E, A, C, F, R, S

ISBN 978-92-9231-208-4

Order No. 9914

\$103.00

Supplement

Order No. 9914/E/01

\$16.00*

IIM – Integrated Infrastructure Management

Doc 9733 – Report of the Aeronautical Information Services/Aeronautical Charts (AIS/MAP) Divisional Meeting (1998).

Montreal, 23 March–3 April 1998. 636 pp.

E, A, F, R, S

Order No. 9733

\$730.00

MET – Meteorology

Doc 10045 – Meteorology (MET) Divisional Meeting (2014).

Montréal, 7–18 July 2014. 216 pp.

E, A, C, F, R, S

ISBN 978-92-9249-731-6

Order No. 10045

\$182.00

REGIONAL-TYPE MEETINGS

The reports of the earlier meetings are out of print.

AFI – Africa-Indian Ocean Region

Doc 9702 – Report of the Seventh Africa-Indian Ocean Regional Air Navigation Meeting.

Abuja, 12–23 May 1997. 664 pp.

E, F

Order No. 9702

\$721.00

Doc 9930 – Report of the Special Africa-Indian Ocean (SP AFI) Regional Air Navigation Meeting.

Durban (South Africa), 24–29 November 2008. 163 pp.

English and French only

ISBN 978-92-9231-470-5

Order No. 9930

\$187.00

EUR – European Region**Doc 9639 – Report of the Special European Regional Air Navigation Meeting.**

Vienna (Austria), 5–14 September 1994, incorporating Supplement (September 1994). 160 pp.
E, F, R, S

Order No. 9639 **\$179.00**

MID – Middle East Region**Doc 9672 – Report of the Limited Middle East (COM/MET/RAC) Regional Air Navigation Meeting.**

Cairo, 7–17 January 1996. 418 pp.
E, A, F

Order No. 9672 **\$483.00**

PANEL-TYPE MEETINGS

The reports of the earlier meetings are out of print.

VAP – Visual Aids Panel**Doc 9603 – Report of the Twelfth Meeting.**

Montreal, 23 September–11 October 1991. 266 pp.
E, F, R, S

Order No. 9603 **\$287.00**

Doc 9710 – Report of the Thirteenth Meeting.

Montreal, 9–20 June 1997. 296 pp.
E, F, R, S

Order No. 9710 **\$324.00**

Doc 9821 – Report of the Fourteenth Meeting.

Montréal, 9–18 December 2002. 176 pp.
E, F, R, S ISBN 92-9194-124-7

Order No. 9821 **\$193.00**

ECONOMIC PUBLICATIONS

Specialized information on air transport activities; economic studies concerning airports and air navigation services, air carrier economics, economic contribution of civil aviation regulation of international air transport; forecasting and economic planning; and summaries of treaties or agreements registered with ICAO, etc.

Economics of Airports and Air Navigation Services

Doc 9082 – ICAO’s Policies on Charges for Airports and Air Navigation Services.

This document sets forth the recommendations and conclusions of the ICAO Council on airport and air navigation services charges for international civil aviation.

10th edition, 2024. 38 pp.

E, C, F, R

ISBN 978-92-9275-473-0

Order No. 9082

\$41.00

Doc 9660 – Report on Financial and Related Organizational and Managerial Aspects of Global Navigation Satellite System (GNSS) Provision and Operation.

This report provides policy and practical guidance with regard to GNSS on organizational and financial aspects.

May 1996. 32 pp.

E, A, F, R, S

Order No. 9660

\$46.00

Supplement (May 1996)

Order No. 9660/E/01

\$16.00*

Doc 10170 – Manual on Economic and Financial Analyses for Aviation Infrastructure Projects.

1st edition, 2022. 42 pp.

E, A, C, F, R, S

ISBN 978-92-9265-751-2

Order No. 10170

\$39.00

Cir 284 – Privatization in the Provision of Airports and Air Navigation Services.

This circular presents information on developments in ownership and management in the provision of airports and air navigation services, provides definitions and analyses of the options available, together with the possible implications of these options. It also discusses major issues to be examined by States when considering a change in ownership and management and brings to the notice of States important provisions of the *Convention on International Civil Aviation* (Doc 7300) and other ICAO policy and guidance documents regarding regulatory measures.

2002. 40 pp.

E, A, F, R, S

Order No. CIR284

\$54.00

Cir 286 – Highlights in the Economic Development of Airports and Air Navigation Services.

This circular presents information on the economic, organizational and regulatory status of airports and air navigation service providers in the year 2000. It is based on a survey of Member States conducted prior to the Conference on the Economics of Airports and Air Navigation Services (ANSCConf 2000), Montreal, 19–28 June 2000.

June 2002. 123 pp.

E, A, F, R, S

Order No. CIR286

\$147.00

* Free if purchased with corresponding document

Air Transport

Air Carrier Economics

Regional Differences in International Airline Operating Economics.

This circular analyses how differences in operations and input prices may affect the level of international air transport operating costs and the impact that changes in costs may have on air transport tariffs. Chapter 2 presents passenger, freight and mail revenue yield data of scheduled services for 17 international route groups, comprising all international routes along with passenger revenue yield data for non-scheduled operations. For the same route groups, regional differences in the costs related to the scheduled service passenger yields are presented in Chapter 3. Major causes of regional differences in costs are identified in Chapter 4.

Cir 280 – *Regional Differences in International Airline Operating Economics, 1997.*

2000. 56 pp.

E, F, R, S

Order No. CIR280

\$68.00

Cir 293 – *Regional Differences in International Airline Operating Economics: 1998 and 1999.*

2003. 47 pp.

E, F, R, S

ISBN 92-9194-013-5

Order No. CIR293

\$57.00

Cir 306 – *Regional Differences in International Airline Operating Economics: 2000 and 2001.*

Cir 310 – *Regional Differences in International Airline Operating Economics: 2002 and 2003.*

Cir 316 – *Regional Differences in International Airline Operating Economics: 2004 and 2005.*

Cir 327 – *Regional Differences in International Airline Operating Economics: 2006 and 2007.*

In Chapters 2 and 3, the 2007 results are compared with those for 2005.

General

Doc 8632 – ICAO's Policies on Taxation in the Field of International Air Transport.

This document contains a consolidated Resolution on Taxation of International Air Transport and associated commentary adopted by the ICAO Council in 1999 for guidance to States and international operators, which covers ICAO policies with regard to the taxation of fuel, lubricants and other consumable technical supplies; the taxation of income of international air transport enterprises and aircraft and other movable property; and taxes related to the sale and use of international air transport (such as taxes on air waybills, tickets and passengers).

3rd edition, 2000. 15 pp.

E, A, C, F, R, S

Order No. 8632

\$22.00

Corrigendum 1 (2/3/17)

Order No. 8632/E/07

FREE

Supplement (25/8/21)

Order No. 8632/E/08

\$247.00

Corrigendum 1 to the Supplement (24/9/21)

Order No. 8632/E/09

FREE

Doc 9587 – Policy and Guidance Material on the Economic Regulation of International Air Transport.

This is a compendium of conclusions, decisions adopted by the ICAO Assembly and the Council, and guidance material developed by ICAO for its Member States concerning the economic regulation of international air transport.

4th edition, 2017. 268 pp.

E, A, C, F, R, S

ISBN 978-92-9258-305-7

Order No. 9587

\$403.00

Doc 9807 – Universal Security Audit Programme Continuous Monitoring Manual.

3rd edition, 2021. 104 pp.

E, A, C, F, R, S

ISBN 978-92-9265-229-6

Order No. 9807

\$96.00

Doc 9956 – Global and Regional 20-year Forecasts – Pilots, Maintenance Personnel, Air Traffic Controllers.

This forecast represents an independent study of civil aviation personnel dynamics for the next 20 years and contributes to the unbiased aviation data and traffic forecasts for which the International Civil Aviation Organization (ICAO) is recognized. Its exclusive findings are based on first-hand information collected from different air transport industry stakeholders. Executives of airlines, maintenance, repair and overhaul organizations; aircraft manufacturers; air navigation service providers; and Civil Aviation Authority officials with a professional interest in air transport human resource planning will appreciate this first edition of one of the foremost works in the field. Training institutions, future aviation professionals, as well as aviation consulting businesses, will also consider it a valuable resource.

2011. 66 pp.

E, A, C, F, R, S

ISBN 978-92-9231-729-4

Order No. 9956

\$352.00

Cir 257 – Economics of Satellite-based Air Navigation Services.

Guidelines for cost/benefit analysis of communications, navigation and surveillance/air traffic management (CNS/ATM) systems.

1995. 77 pp.

E, A, F, R, S

ISBN 92-9194-322-3

Order No. CIR257

\$93.00

Cir 269 – Implications of Airline Codesharing.

This circular contains an ICAO Secretariat study on the subject, which provides comprehensive information on this evolving and increasingly popular airline practice and a detailed analysis of its economic and regulatory implications.

1997. 87 pp.

E, A, C, F, R, S

Order No. CIR269

\$113.00

Cir 283 – Regulatory Implications of the Allocation of Flight Departure and Arrival Slots at International Airports.

This circular contains an ICAO Secretariat study which provides a detailed analysis of the growing problem of capacity constraints at airports; the regulatory framework involved and the means by which governments, airports and airlines have sought to alleviate or minimize this situation. The study also assesses current and potential mechanisms for dealing with a chronic shortage of airport capacity and suggests possible improvements and alternatives to the existing systems.

2001. 28 pp.

E, A, F, R, S

Order No. CIR283

\$35.00

Cir 304 – Outlook for Air Transport to the Year 2015.

2004. 56 pp.

E, A, C, F, R, S

Order No. CIR304

\$70.00

Air Transport

Cir 333 – Global Air Transport Outlook to 2030 and trends to 2040.

2014. 152 pp.

E, A, C, F, R, S

ISBN 978-92-9249-187-1

Order No. CIR333

\$983.00

Corrigendum 1 (30/6/13)

Order No. CIR333/E/01

FREE

Cir 339 – Regional Differences in International Airline Operating Economics: 2010 and 2011.

2014. 54 pp.

E, A, C, F, R, S

Order No. CIR339-E (PDF)

\$56.00

ICAO States Today, 70 years after Chicago.

June 2015. 316 pp.

English only

Order No. PUBSTAT70

\$145.00

ICAO States Today 2022

4th edition, 2022.

ENGLISH

Order No. IST-2022

\$125.00

2013 – State of Air Transport – International and domestic scheduled traffic.

This publication provides key world and regional air traffic statistics, which illustrate the performance of the entire air transport industry in 2013. In addition, airline and airport rankings are included, as well as traffic forecasts to 2030 and beyond.

English only

Order No. SAT-13-E (PDF)

\$198.00

The World of Civil Aviation.

This annual circular reviews the main events in or affecting international civil aviation in Part I; analyses trends in the world economy and the air transport industry and presents global forecasts of airline scheduled passenger traffic in Part II; and reviews developments in civil aviation and gives prospects in Part III.

Note.— ICAO no longer publishes the circulars The World of Civil Aviation and Airline Traffic Forecasts and Financial Trends. For further details, please refer to the Subscriptions/Digital Products section.

Cir 291 – The World of Civil Aviation, 2001–2004.

2002. 158 pp.

E, A, F, R, S

ISBN 92-9194-038-0

ISSN 1727-0154

Order No. CIR291

\$187.00

Cir 299 – The World of Civil Aviation, 2002–2005.

2003. 157 pp.

E, A, F, R, S

ISBN 92-9194-194-8

ISSN 1727-0154

Order No. CIR299

\$187.00

Cir 307 – *The World of Civil Aviation, 2003–2006.*

2005. 116 pp.

E, A, F, R, S

ISBN 92-9194-499-8

ISSN 1727-0154

Order No. CIR307

\$136.00

ENVIRONMENTAL PUBLICATIONS

Doc 9501 – *Environmental Technical Manual.*

Volume I – *Procedures for the Noise Certification of Aircraft.*

This manual provides guidance to States regarding the technical procedures to be used for noise certification and promotes uniformity of implementation of the technical procedures of Annex 16 – *Environmental Protection*, Volume I – *Aircraft Noise*, in order that the same degree of stringency is applied by all certificating authorities and that the same criteria for acceptance in approving applications for the use of equivalent procedures are used.

3rd edition, 2018. 298 pp.

E, A, C, F, R, S

ISBN 978-92-9258-369-8

Order No. 9501-1

\$307.00

Amendment 1 (21/2/20)

Order No. 9501-1/E/03

\$98.00*

Volume II – *Procedures for the Emissions Certification of Aircraft Engines.*

This manual provides guidance to States regarding the technical procedures to be used for emissions certification and promotes uniformity of implementation of the technical procedures of Annex 16 – *Environmental Protection*, Volume II – *Aircraft Engine Emissions*, in order that the same degree of stringency is applied by all certificating authorities and that the same criteria for acceptance in approving applications for the use of equivalent procedures are used.

5th edition, 2023. 122 pp.

E, A, C, F, R, S

ISBN 978-92-9275-212-5

Order No. 9501-2

\$110.00

Volume III – *Procedures for the CO₂ Emissions Certification of Aeroplanes.*

3rd edition, 2023. 96 pp.

E, A, C, F, R, S

ISBN 978-92-9275-066-4

Order No. 9501-3

\$87.00

Corrigendum 1 (21/7/23)

Order No. 9501-3/CORR/01/E

FREE

Volume IV – *Procedures for demonstrating compliance with the*

Carbon Offsetting and Reduction Scheme for International Aviation (CORSA).

3rd edition, 2023. 230 pp.

E, A, C, F, R, S

ISBN 978-92-9275-174-6

Order No. 9501-4

\$208.00

Doc 9829 – *Guidance on the Balanced Approach to Aircraft Noise Management.*

The aim of this guidance material is to provide States with advice and practical information on implementing a Balanced Approach to noise management. The Balanced Approach, which was adopted by the ICAO Assembly in 2001, encompasses four principal elements: reduction of noise at source, land-use planning and management, noise abatement operational procedures and operating restrictions on aircraft. This guidance material describes some of the measures available under each element, their interrelationship, and the tools that might be used to assess and compare their costs and benefits.

2nd edition, 2008. 130 pp.

E, A, C, F, R, S

ISBN 978-92-9231-037-0

Order No. 9829

\$149.00

Amendment 1 (10/10/10)

Order No. 9829/E/01

\$44.00*

* Free with purchase of corresponding document.

Doc 9884 – Guidance on Aircraft Emissions Charges Related to Local Air Quality.

This publication deals with emissions levies related to local air quality. It was developed by CAEP consistent with ICAO policy.

1st edition, 2007. 30 pp.

E, A, C, F, R, S

ISBN 92-9194-972-8

Order No. 9884

\$34.00

Doc 9885 – Guidance on the Use of Emissions Trading for Aviation.

This guidance material supports the incorporation of international aviation emissions into States' emissions trading schemes, consistent with the United Nations Framework Convention on Climate Change process. It focuses on aviation-specific issues, identifies options and offers potential solutions.

1st edition, 2008. 54 pp.

E, A, C, F, R, S

ISBN 978-92-9231-095-0

Order No. 9885

\$60.00

Doc 9887 – Report of the Independent Experts on the LTTG NOx Review and Medium and Long Term Technology Goals for NOx.

The report by the panel of external Independent Experts (IEs) selected by CAEP records the key findings of the Review conducted in March 2006 in London, UK. It also contains the medium- and long-term goals for reduction of Oxides of Nitrogen (NOx) recommended by the IE panel.

2008. 120 pp.

English only

ISBN 978-92-9231-088-2

Order No. 9887

\$138.00

Doc 9888 – Noise Abatement Procedures: Review of Research, Development and Implementation Projects – Discussion of Survey Results.

This document summarizes Noise Abatement Procedure (NAP) Research and Development (R&D) projects undertaken by various parties, including universities, regulatory agencies, manufacturers, air carriers and airports. The summaries are a result of survey questionnaires that were distributed to contact persons for NAP R&D in 2005–2006 and to CAEP Member States and observers in 2008.

1st edition, 2010. 88 pp.

English only

ISBN 978-92-9231-665-5

Order No. 9888

\$102.00

Doc 9889 – Airport Air Quality Manual.

This manual covers issues related to the assessment of airport-related air quality that are either specifically within the remit of ICAO (such as main engine emissions) or where there is an established understanding of other non-aircraft sources (such as boilers, ground support equipment and road traffic).

3rd edition, 2023. 194 pp.

E, A, C, F, R

ISBN 978-92-9275-234-7

Order No. 9889

\$175.00

Corrigendum 1 (1/3/24)

Order No. 9889/CORR/01/E

FREE

Doc 9911 – Recommended Method for Computing Noise Contours Around Airports.

This manual, which replaces Circular 205, is intended to assist States in the computation of noise contours around airports, using the most up-to-date procedures and the most recent aircraft noise and performance information available. It includes three different ways in which most practical noise models calculate aeroplane single event noise levels and is designed to make use of an online international aircraft noise and performance (ANP) database.

2nd edition, 2018. 198 pp.

E, A, C, F, R, S

ISBN 978-92-9258-360-6

Order No. 9911

\$184.00

Doc 9929 – Report of the High-level Meeting on International Aviation and Climate Change.

2010. 46 pp.

E, A, C, F, R, S

ISBN 978-92-9231-440-8

Order No. 9929**\$65.00****Doc 9943 – Report to CAEP by the CAEP Noise Technology Independent Expert Panel. Aircraft Noise Technology Review and Medium and Long Term Noise Reductions Goals.**

The report by the panel of external Independent Experts (IEs) selected by CAEP records the key findings of the Review conducted during 29 September–1 October 2008 in Seattle, WA, USA. It also contains the medium and long term noise reductions goals recommended by the IE panel.

2010. 110 pp.

English only

ISBN 978-92-9231-594-8

Order No. 9943**\$126.00****Doc 9948 – Scoping Study on the Application of Emissions Trading and Offsets for Local Air Quality in Aviation.**

This document outlines a study exploring the scope for the application of emissions trading and offsetting to the mitigation of airport local air quality (LAQ). The focus of this study is on the total effect of the range of sources of LAQ emissions within a particular area, rather than on emissions from any particular source.

1st edition, 2011. 38 pp.

E, A, C, F, R, S

ISBN 978-92-9231-743-0

Order No. 9948**\$43.00****Doc 9949 – Scoping Study of Issues Related to Linking “Open” Emissions Trading Systems Involving International Aviation.**

This document presents a study reviewing the issues related to the linking of GHG emissions trading systems. This study is limited to considering and assessing emissions trading systems for GHGs. For aviation, only the CO₂ emissions are considered.

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E, A, C, F, R, S

ISBN 978-92-9231-800-0

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2010. 42 pp.

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The purpose of this document is to examine the potential for emissions offset measures as a further means of mitigating the effects of aviation emissions on global climate change.

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2010. 60 pp.

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The report by the panel of external Independent Experts (IEs) selected by CAEP records the key findings of the Review conducted in May 2010 in Atlanta, GA, USA. It also contains the medium and long term goals for reduction of fuel burn recommended by the IE panel.

2010. 70 pp.

English only

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Doc 9988 – Guidance on the Development of States' Action Plans on CO₂ Emissions Reduction Activities.

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2010. 244 pp.

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2008. 90 pp.

E, A, C, F, R, S

ISBN 978-92-9231-137-7

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2017. 58 pp.

E, A, C, F, R, S

ISBN 978-92-9258-264-7

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1995. 105 pp.

Multilingual: E/F/R/S/A/C

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E, A, C, F, R, S

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Doc 9800 – High-Level, Ministerial Conference on Aviation Security.

Montreal, 19–20 February 2002. 54 pp.

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Order No. 9800

\$60.00

Doc 9819 – Report of the Worldwide Air Transport Conference.

Challenges and Opportunities of Liberalization.

Montreal, 24–28 March 2003. 94 pp.

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ISBN 92-9194-087-9

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E, A, F, R, S	ISBN 92-9194-373-8	Order No. 9838	\$126.00
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Montréal, 15–21 March 2004. 72 pp.

E, A, F, R, S

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Doc 10195 – Report of the 38th Session.

Montréal, 22–25 March 2022. 42 pp.

E, A, C, F, R, S

ISBN 978-92-9275-082-4

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Doc 9773 – International Conference on Air Law.

(The Authentic Chinese Text of the Convention on International Civil Aviation)

Montreal, 28 September–1 October 1998.

Minutes and Documents.

2001. 199 pp.

E, A, C, F, R, S

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Doc 9775 – International Conference on Air Law.

(Convention for the Unification of Certain Rules for International Carriage by Air)

Montreal, 10–28 May 1999.

Volume I – *Minutes.*

This document contains the minutes of the Conference on the subject of the modernization of the “Warsaw System” of air carrier liability. This volume sets forth the minutes of the Plenary Meetings of the Conference, the minutes of the Commission of the Whole and the minutes of the “Friends of the Chairman” Group.

2001. 265 pp.

English

(A, F, R, S in preparation)

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Volume II – *Documents.*

This document contains all working papers submitted to the Conference, including the reports of the Drafting Committee, the Final Act, and the text of the *Convention for the Unification of Certain Rules for International Carriage by Air*.

2001. 530 pp.

E, F, S

(A, R in preparation)

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Volume III – *Preparatory Material.*

This volume contains documentation pertaining to the preparatory stage of the Conference, including the reports of the meetings of the Secretariat Study Group and the report of the meeting of the Special Group on the Modernization and Consolidation of the “Warsaw System”.

2001. 399 pp.

E, F, S

(A, R in preparation)

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Doc 9783 – International Conference on Air Law.

(The Authentic Arabic Text of the Convention on International Civil Aviation)

Montreal, 25–29 September 1995.

Minutes and Documents.

2001. 196 pp.

E, A, F, R, S

Order No. 9783

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Doc 9801 – International Conference on Air Law.

(Convention on the Marking of Plastic Explosives for the Purpose of Detection)
 Montreal, 12 February–1 March 1991.

Volume I – *Minutes*.

This volume contains the Minutes of the Plenary Meetings of the Conference and of the Commission of the Whole.
 2002. 183 pp.
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 Part III – The text of the Convention on the Marking of Plastic Explosives for the Purpose of Detection
 Part IV – Final Act of the Conference
 2002. 304 pp.
 E, F

Order No. 9801-2 **\$334.00**

Doc 9823 – International Conference on Air Law.

(Protocol for the Suppression of Unlawful Acts of Violence at Airports Serving International Civil Aviation, Supplementary to the Convention for the Suppression of Unlawful Acts Against the Safety of Civil Aviation)
 Montreal, 9–24 February 1988.

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This document is recommended for aviation lawyers, air and space law policymakers, academics and legal professionals from Civil Aviation Authorities, aviation law firms, international organizations, aviation industry players, insurers and universities with aviation law programmes.

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Doc 6685 – Rules for Registration with ICAO of Aeronautical Agreements and Arrangements.

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3rd edition, 2020. 12 pp.

E, A, C, F, R, S

ISBN 978-92-9265-032-2

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GUIDANCE MATERIAL

Cir 288 – Guidance Material on the Legal Aspects of Unruly/Disruptive Passengers.

This circular is intended to facilitate the implementation of Resolution A33-4 of the 33rd Session of the ICAO Assembly: *Adoption of national legislation on certain offences committed on board civil aircraft (unruly/disruptive passengers)*. The material covers three major aspects of the unruly passenger problem: the list of specific offences for inclusion in national law, extension of jurisdiction over such offences, and appropriate legal mechanisms available for addressing them. Resolution A33-4 and the model legislation are included in the circular.

2002. 18 pp.

E, A, F, R, S

ISBN 978-92-9249-055-3

Order No. CIR288

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Cir 295 – Guidance on the Implementation of Article 83 bis of the Convention on International Civil Aviation.

This circular is aimed at assisting Member States in developing appropriate policies with respect to the implementation of Article 83 *bis* of the *Convention on International Civil Aviation* (Chicago, 1944), which entered into force on 20 June 1997. It is intended to provide better regulation and oversight over air safety regarding international lease, charter or interchange of aircraft. This material comprises, inter alia, background information on the subject, as well as Guidelines and a Model Agreement for the implementation of Article 83 *bis*.

2003. 52 pp.

E, F, R, S

ISBN 92-9194-027-5

Order No. CIR295

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Note.— The material in Circular 295, for a major part, has been updated in the Manual on the Implementation of Article 83 bis of the Convention on International Civil Aviation (Doc 10059).

Doc 10059 – Manual on the Implementation of Article 83 bis of the Convention on International Civil Aviation.

1st edition, 2017. 70 pp.

E, A, C, F, R, S

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