

Doc 7475/2

**WORKING ARRANGEMENTS
BETWEEN THE
INTERNATIONAL CIVIL AVIATION ORGANIZATION
AND THE
WORLD METEOROLOGICAL ORGANIZATION**



SECOND EDITION — 1963

INTERNATIONAL CIVIL AVIATION ORGANIZATION

Foreword

The working arrangements contained in this document were 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. Although not falling within the category of formal interagency agreements referred to in Article XVII of the Agreement between the United Nations and ICAO, and Article XIV of the Agreement between the United Nations and WMO, these arrangements are designed to record the understanding reached between the two Organizations to delineate their respective spheres of activity in the field of aeronautical meteorology, to provide machinery for their collaboration when necessary and to give guidance for the conduct of meetings of representative bodies and the Secretariats of the two Organizations and thus to assist in the realization of the aims outlined in the preamble to this document.

The provisions contained herein are subject to the conditions of application given on page 11.

Amendment No. 1 was approved by the Council of ICAO on 26 November 1962 and by the Executive Committee of WMO on 16 October 1962. It became effective on 1 January 1963. The purpose of this Amendment was to bring paragraph 2.3.2 into line with other paragraphs dealing with action on matters in regard to which it is recognized that one Organization has the primary responsibility but that the other has a significant interest, e.g., paragraph 2.3.1.

Table of Contents

	<u>Page</u>
Preamble	3
1. -General Exchange of Privileges	4
2. -Development of Technical Recommendations of World-wide Applicability	4
3. -Regional Activities	7
4. -Qualifications of Meteorological Personnel engaged in the provision of Meteorological Services for International Air Navigation	10
5. -Joint Financing Projects	10
6. -Technical Assistance Activities	10
Conditions of Application	11

WORKING ARRANGEMENTS BETWEEN ICAO AND WMO

Preamble

As ICAO is responsible for defining and encouraging the provision of the services which civil aviation requires for safe, regular, economic and efficient operation and for recommending where, in what forms and at what times such services shall be rendered, and the provision of meteorological information has an important place among the needed services, and

As WMO is responsible for specifying the technical methods and practices recommended for use in providing required meteorological services, and for furthering generally the application of meteorology to human activities, including aviation, the two Organizations recognize the desirability, in the interest of efficiency and simplicity, of defining working arrangements for securing close co-operation, including an understanding regarding the allocation to one Organization or the other of primary responsibility for certain sectors within the field of common interest.

In determining this allocation, the two Organizations agree that the following broad principles should apply:

a) Matters which, for their successful resolution, (i) require direct and particularly close collaboration with other (non-meteorological) aeronautical services or (ii) co-ordination with planned or actual airline operations, should be regarded as lying primarily within the field of responsibility of ICAO.

b) Matters (i) which relate to the basic meteorological facilities required by Meteorological Authorities to provide service to international air navigation, (ii) which relate to the meteorological techniques and practices employed in providing such service or (iii) which, for their successful resolution, require close coordination with the procedures and facilities employed in other (non-aeronautical) applications of meteorology should be regarded as lying primarily within the field of responsibility of WMO.

c) Matters which do not fall clearly within either category (a) or category (b) should be regarded as the responsibility of both Organizations and dealt with by appropriate collaboration between them.

1. General Exchange of Privileges

1.1 The Organizations will freely advise and consult each other in matters that may be handled by one of them but are of interest to the other. To give the fullest possible rein to advisory and consultative status, each Organization will have the right to participate in the meetings of the other (without vote), at the participating Organization's election, except for meetings of the ICAO Council and the WMO Executive Committee. Each Organization will keep the other informed of its full schedule of meetings, and supply agenda and documentation for any of them on request. Each Organization will include in the documentation for its meetings any material furnished for that purpose by the other Organization or its accredited representative.

1.2 The Organizations will advise each other of any decisions relating to, or capable of affecting meteorological service to aeronautics and will exchange copies of any communications sent to their member States (such as ICAO State letters and WMO Circulars) relating to matters of interest to them both.

2. Development of Technical Recommendations of World-wide Applicability

2.1 General

Recommendations concerning technical material related to the world-wide application of meteorology to international air navigation will be prepared normally by simultaneous meetings of the appropriate technical bodies of the respective Organizations. Each recommendation will include an allocation of responsibility for follow-up action by one or the other Organization. Such allocation will be in conformity with the principles stated in the preamble to these working arrangements. Follow-up action by either Organization will be in accordance with its established procedures.

2.2 Development of Specifications of Aeronautical
Meteorological Requirements and Methods of
satisfying them

2.2.1 The material of the type now contained in the "Specifications for Meteorological Services for International Air Navigation" will normally be developed by simultaneous meetings of the appropriate technical bodies of the respective Organizations.

2.2.2 This development will entail a separation of the material into two parts, the first of which will comprise a specification of the needs of international civil aviation in regard to meteorological service, suitable for ultimate adoption as International Standards and Recommended Practices (Annex to the Convention on International Civil Aviation). The second part will comprise supplementary material regarding the manner in which the required meteorological service, as indicated in the specification of the needs of international civil aviation, is to be provided.

2.2.3 Following the simultaneous meetings, the first part will be reviewed and developed by ICAO in accordance with its established procedures.

2.2.3.1 The development of this material from the recommendations of the simultaneous meetings will be carried out in collaboration with WMO. To facilitate this collaboration, WMO will designate a representative or representatives and will arrange for his (their) participation in the meetings of the Air Navigation Commission on the dates set by it for review of the material. The WMO representative(s) will also work in the interim with the ICAO Secretariat on any preparation for these reviews.

2.2.3.2 The text proposed by the ANC on the basis of the recommendations of the simultaneous meetings and in the light of the review referred to above will be considered by the ICAO Council and thereafter by the Congress (or the Executive Committee) of WMO for promulgation by the respective Organizations in accordance with their respective requirements.

2.2.4 Following the simultaneous meetings the second part will be reviewed and developed by WMO in accordance with its established procedures, keeping ICAO advised of progress in this matter and taking account of any comments or proposals presented by ICAO.

2.3 Codes

2.3.1 Meteorological Figure Codes

WMO will develop and promulgate all meteorological figure codes, including those employed in the application of meteorology to international air navigation. Regional options permitted by these codes will be determined at ICAO Regional Meetings and promulgated by ICAO when such codes are primarily intended to be utilized directly by aeronautical personnel. Recommendations regarding aeronautical aspects of figure codes will be addressed to WMO and will be taken into account in the determination of such codes by WMO.

2.3.2 Q Code

The determination and promulgation of the meteorological signals included in the Aeronautical Section of the International Q Code will be the responsibility of ICAO. When establishing such signals, ICAO will take into account the recommendations of WMO on the meteorological aspects thereof. Prior consultations shall take place between the Secretaries-General of both Organizations in respect of all changes in meteorological signals.

2.4 Ground-Air Exchange of Meteorological Information

ICAO will be responsible for the determination and promulgation of the procedures and forms of message except meteorological figure codes, to be employed, world-wide or regionally, in the communication of meteorological information from air to ground and from ground to air and also for the development and promulgation of world-wide and regional plans for the broadcasting, by radiotelephony or radiotelegraphy, of meteorological information intended for operational use by aircraft in flight.

2.5 Terminology

The definition of all purely aeronautical terms and the determination of language equivalents of those terms will be the responsibility of ICAO; the definition of all purely meteorological terms and the determination of language equivalents of those terms will be the responsibility of WMO. Terms which do not fall definitely within one of these two categories will be treated by co-ordinated action of the two Organizations. Each Organization will employ in its publications and documentation the terms and equivalents defined and prescribed as indicated above.

3. Regional Activities

3.1 General

Regional requirements for meteorological services for aeronautical purposes will be established by the ICAO Council on the advice of ICAO regional meetings. ICAO will follow up recommendations regarding such of these requirements as lie within the fields of responsibility allocated to ICAO in this document. Recommendations on such of these requirements as lie within the fields of responsibility allocated to WMO in this document will be addressed by ICAO to WMO, which will give immediate consideration to these recommendations and follow them up with the States concerned.

3.2 Synoptic Networks

3.2.1 WMO will develop and promulgate plans for basic synoptic networks, including both surface and upper air observation stations, providing inter alia, for the aeronautical needs expressed by ICAO. Statements of deficiencies in the existing networks, from the aeronautical point of view, which have been revealed at ICAO regional meetings or otherwise, will be addressed by ICAO to WMO, as requests that WMO take the necessary action with States. If, in any case, WMO encounters difficulty in securing prompt action in regard to any deficiency, it will consult with ICAO. In urgent cases ICAO may inform the State concerned, directly, of the urgency of the proposed improvement in the network and will advise WMO in each case when such action has been taken.

3.2.2 Recommendations from ICAO to WMO on basic networks will be stated in a form most convenient for expeditious subsequent action by WMO. They will take the form of recommendations for additions to, or changes in, the existing networks, rather than an enumeration of the complete network desired. They will be supported, whenever possible, by a statement of the adverse effects on civil aviation operations of the existing deficiencies in the basic networks.

3.2.3 WMO will maintain, in a continuously current condition, information on the basic networks of the world, of the character hitherto sought by ICAO by direct fact-finding inquiry from States in preparation for each regional air navigation meeting.

3.3 Synoptic Analyses

WMO will be responsible for establishing the geographic areas of responsibility for the preparation of synoptic analyses and for the allocation of responsibility for their preparation, taking into account the aeronautical requirements for these analyses as presented by ICAO.

3.4 Meteorological Observations required for Current Air Operations

Recommendations to States regarding the locations at which hourly, half-hourly and special aerodrome observations and other special observations required specifically for use in current air operations are to be taken will be ICAO's responsibility. Such recommendations will normally be developed in ICAO regional Air Navigation Meetings, with due regard to the network of stations prescribed by WMO for other purposes.

3.5 Meteorological Offices

ICAO will determine and promulgate plans for the establishment of meteorological offices serving international air navigation, with any necessary details regarding locations, classification and the types of material and service which such offices are to furnish, their hours of operation, etc.

3.6 Telecommunications

3.6.1 WMO will determine and promulgate plans for the exchange of basic synoptic data and analyses. If ICAO is cognizant of aeronautical requirements which would impose special conditions upon these exchanges, appropriate recommendations will be addressed to WMO for subsequent action with States. ICAO may also bring these recommendations directly to the attention of the States concerned if their urgency and other factors justify such action. Whenever it appears likely that the special conditions imposed by aeronautical requirements cannot be met under the normal arrangements for the exchange of basic data and analyses, because of the limited capacity of available circuits or for any other reasons, and if relief can be had through the use of other channels, the two Organizations will confer on the action to be taken.

3.6.2 Plans for the exchange of operational meteorological information (e. g. , collection and distribution of hourly reports and aerodrome forecasts between designated aerodromes) will be developed and promulgated to States by ICAO. Where such plans involve carrying operational information over circuits maintained for exchange of basic meteorological information, the recommendations concerning the additional use to be made of such circuits will be addressed to WMO.

3.7 Regional Supplementary Procedures

ICAO will determine and promulgate, as regional supplementary procedures and associated documents:

3.7.1 The regional or local arrangements made within the ambit of the regional or local options permitted by the "Specifications for Meteorological Services for International Air Navigation" and similar documentation;

3.7.2 Details of the Meteorological Offices established to serve international air navigation, regional arrangements for the ground-to-ground exchange of operational meteorological information (aerodrome forecasts and amendments thereto, routine and special aerodrome meteorological reports, warnings and flight forecasts and amendments thereto), and for the transmission of such information to aircraft in flight, details of the collecting centres for aircraft weather reports and other information of a similar character.

4. Qualifications of Meteorological Personnel engaged in the provision of Meteorological Services for International Air Navigation

4.1 While WMO will be responsible for specifying the requirements for meteorological knowledge of meteorological personnel engaged in the provision of meteorological service for international air navigation, the definition of the requirements for non-meteorological operational knowledge that should be met by such personnel will be undertaken by ICAO and will be transmitted to WMO in the form of recommendations.

4.2 WMO will be consulted by ICAO in connexion with this action and will be invited to participate in any relevant discussions in the Air Navigation Commission or other representative body.

5. Joint Financing Projects

Joint financing projects will be continued as in the past, with ICAO keeping WMO informed of developments on existing projects which include any meteorological element, and also of plans for any such project as may be considered in the future. When WMO enters into the field of joint financing, it will similarly keep ICAO informed. Should doubt arise in any particular instance as to where the preponderant interest lies, it will be the subject of special discussion between the two Organizations or of determination by the States immediately concerned.

6. Technical Assistance Activities

6.1 The two Organizations will confer with each other on their plans and programmes for technical assistance in meteorology in order to ensure a uniformly high level of training and the maximum utilization of meteorological services for the benefit of under-developed countries.

6.2 When a firm request for technical assistance in the field of meteorology applied to aviation is received by one Organization, that Organization will, as soon as possible, inform the other and invite its comments thereon. Responsibility for rendering technical assistance in the field of meteorology applied to aviation will devolve upon the WMO if it forms part of a general plan for technical assistance in meteorology, while technical assistance in the field of meteorology applied to aviation forming an integral part of a civil aviation project will be handled by ICAO, each Organization taking account of the views expressed by the other.

6.3 The Organizations will draw up a panel of suitable meteorological personnel from which appointments may be made to technical assistance missions.

Conditions of Application

The working arrangements specified above:

a) shall be given effect within each Organization by means of such directives as may be considered by the Organization concerned as necessary to implement them;

b) shall be regarded as being of an interim character, the relations between the Organizations, the arrangements for co-operation between them and the definition of their respective activities in the area of joint interest having continued consideration and being further reviewed if necessary;

c) shall be subject to modification at any time by joint agreement;

d) shall be subject to the understanding that any provision therein shall be terminable on 90 days' notice in writing by either Organization to the other.

- END -

© ICAO 1963
10/63, E/P1/2000;
9/84, E/P2/450;
5/97, E/P3/1500

Order No. 7475
Printed in ICAO