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| WEATHER CLIMATE WATER | **World Meteorological Organization**  **COMMISSION FOR OBSERVATION, INFRASTRUCTURE AND INFORMATION SYSTEMS**  **Second Session** 24 to 28 October 2022, Geneva | **INFCOM-2/Doc. 6.1(5)** |
| Submitted by: President of the Commission  29.IX.2022  **DRAFT 1** |

**AGENDA ITEM 6: TECHNICAL REGULATIONS AND OTHER TECHNICAL DECISIONS**

**AGENDA ITEM 6.1: Standing Committee on Earth Observing Systems and Monitoring Networks (SC ON)**

# Update of the Guide to Aircraft-Based Observations (WMO-No. 1200)

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| **Summary**  *Proposed recommendation of the INFCOM to update the Guide to Aircraft-Based Observations (WMO-No. 1200)* |
| **Strategic objective 2020–2023:** 2.1  **Financial and administrative implications:** Resources for required translation and publication.  **Key implementers:** Secretariat to arrange for publication and translation.  **Time frame:** 2023–2024  **Action expected:** Review the proposed draft of the Guide to Aircraft-Based Observations and the related Recommendation to publish and translate the guidance, subject to availability of funds. |

# GENERAL CONSIDERATIONS

### Background

Guide to Aircraft-Based Observations (WMO-No. 1200)

1. The Guide to Aircraft-Based Observations was first published in [2017](https://library.wmo.int/index.php?lvl=notice_display&id=20116) based on the decision of the Executive Council ([Resolution 5 (EC-69)](https://library.wmo.int/doc_num.php?explnum_id=3645/#page129)) and recommendation of the former CBS.
2. Given that it has been more than 5 years since the last update of this guide, the Joint Expert Team on Aircraft-based Observing Systems (JET-ABO) has undertaken a comprehensive review of the document to ensure it encompasses major changes and developments within the Aircraft-Based Observations programme, and to the administrative and technical practices associated with aircraft-based observing systems. The team has also, in parallel, coordinated a proposed update to the relevant chapter and sections of the [*Guide to Instruments and Methods of Observations*](https://library.wmo.int/index.php?lvl=notice_display&id=12407) (WMO-No. 8).

**Expected action**

1. Based on the above, the Commission may wish to adopt a recommendation to update the Guide to Aircraft-Based Observations as outlined in [Draft Recommendation 6.1(5)/1 (INFCOM-2) to the Executive Council.](#_Draft_Recommendation_6.1(5)/1)

# DRAFT RECOMMENDATION

## Draft Recommendation 6.1(5)/1 (INFCOM-2)

**Update of the Guide to Aircraft-Based Observations (WMO-No. 1200)**

THE COMMISSION FOR OBSERVATION, INFRASTRUCTURE AND INFORMATION SYSTEMS,

**Recalling** [Resolution 5 (EC-69)](https://library.wmo.int/doc_num.php?explnum_id=3645/#page=129) – Guide to Aircraft-Based Observations, in which EC decided to adopt the Guide to Aircraft-based Observations as formal guidance on regulations for Members in replacement of the Aircraft Meteorological Data Relay (AMDAR) Reference Manual (WMO‑No. 9589),

**Having examined** the updated Guide to Aircraft-Based Observations as proposed by the Joint Expert Team on Aircraft-Based Observing Systems and as provided in the Annex to the draft Resolution,

**Recommends** to Executive Council the adoption of Update of the [Guide to Aircraft-Based Observations](https://library.wmo.int/index.php?lvl=notice_display&id=20116) (WMO-No. 1200) through the draft resolution provided in the [Annex](#Annex_to_draft_Recommendation) to the present Recommendation.

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## Annex to draft Recommendation 6.1(5)/1 (INFCOM-2)

**Draft Resolution ##/1 (EC-## )**

THE EXECUTIVE COUNCIL,

**Recalling** [Resolution 5 (EC-69)](https://library.wmo.int/doc_num.php?explnum_id=3645/#page=129) – Guide to Aircraft-Based Observations, in which EC decided to adopt the Guide to Aircraft-based Observations as formal guidance on regulations for Members in replacement of the Aircraft Meteorological Data Relay (AMDAR) Reference Manual (WMO‑No. 9589),

**Having examined** the updated Guide to Aircraft-Based Observations as proposed by the Joint Expert Team on Aircraft-Based Observing Systems, as recommended for adoption by the Commission for Observations, Infrastructure and Information Systems, and as provided in the Annex to the Resolution,

**Decides** to adopt the updated Guide to Aircraft-Based Observations,

**Requests** the Secretary-General to make arrangements for publication and translation as resources permit, of the updated guide,

**Further requests** INFCOM to continue to maintain the guide and ensure its review and update on a regular basis.

[INFCOM-2/Doc 6.1(5), Annex](https://meetings.wmo.int/INFCOM-2/_layouts/15/WopiFrame.aspx?sourcedoc=/INFCOM-2/English/1.%20DRAFTS%20FOR%20DISCUSSION/INFCOM-2-d06-1(5)-UPDATE-GUIDE-TO-AIRCRAFT-BASED-OBSERVATIONS-ANNEX-draft1_en.docx&action=default)

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## Annex to draft Resolution ##/1 (EC-##)

The updated guide with mark-up is available in [INFCOM-2/Doc. 6.1(5), Annex](https://meetings.wmo.int/INFCOM-2/_layouts/15/WopiFrame.aspx?sourcedoc=/INFCOM-2/English/1.%20DRAFTS%20FOR%20DISCUSSION/INFCOM-2-d06-1(5)-UPDATE-GUIDE-TO-AIRCRAFT-BASED-OBSERVATIONS-ANNEX-draft1_en.docx&action=default) (available in English only).

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