



INTERNATIONAL CIVIL AVIATION ORGANISATION
AFI PLANNING AND IMPLEMENTATION REGIONAL GROUP (APIRG)
METEOROLOGY SUB-GROUP TENTH MEETING (MET/SG/11)
(Nairobi, Kenya, 8 – 10 July 2013)

Agenda Item 7: Regional meteorological procedures

REVIEW AND UPDATING THE REGIONAL PROCEDURES

(Presented by the Secretariat)

SUMMARY

This paper presents a review of the AFI regional meteorological procedures as proposed by the WAFS and IAVW Operations Groups (WAFSOPSG and IAVWOPSG) and for alignment of regional procedures globally.

Ref.:

WAFSOPSG/7 meeting report

IAVWOPSG/7 meeting report

1. Introduction

1.1 The MET procedures included in the AFI ANP/FASID need to be reviewed and aligned to Annex 3 provisions. These procedures used to be thoroughly revised and updated by Regional Air Navigation (RAN) meetings which were held every 8 to 10 years. Therefore, the necessary amendments were carried out by the AFI MET/SG and the APIRG. Regional procedures for implementation globally are also developed from time to time by the International Airways Volcanic Ash Operation Group (IAVWOPSG) and the World Area Forecast Operations Group (WAFSOPSG).

1.2 This paper presents a review of the AFI regional meteorological procedures as proposed by the WAFSOPSG/7 and IAVWOPSG/7.

2. Discussions

2.1 WAFSOPSG/7 Meeting

2.1.1 The MET/SG will note that the Seventh Meeting of the WAFSOPSG held at the ICAO regional Office in Lima, Peru from 17 to 21 September 2012, was tasked to review the world area forecast system (WAFS)-related procedures contained in the air navigation plan/facilities and services implementation document (ANP/FASID). The Sub-group is informed that it was necessary to mainly addressed the elimination of references to the ISCS in lieu of the withdrawal of the international satellite communications system (ISCS) satellite broadcast by WAFC Washington on 1 July 2012. Therefore, the WAFSOPSG Secretariat was tasked to forward the WAFS-related regional procedures as shown **in Appendix A** to this report to the ICAO Regional Offices concerned for onward transmission to States for comment, as necessary, with a view to their prompt inclusion in the ANP/FASID. In this regard, the Secretary of APIRG MET/SG introduced the said procedures for

amendment in accordance with the established procedures for amendment of the Air Navigation Plan. The amendment was approved by the concerned States in May 2013 with the serial number WACAF 13/3-MET for the BASIC ANP, and in April 2013 with the serial number WACAF 13/2-MET for the FASID ANP.

2.2 IAVWOPSG/7 Meeting

2.2.1 The Sub-group will note that the Sixth and Seventh Meetings of the IAVWOPSG held at the ICAO Office in Bangkok, Thailand, from 18 to 22 March 2013, was tasked to review the international airways volcano watch (IAVW)-related procedures contained in the Air Navigation Plan (ANP)/Facilities and Services Implementation Document (FASID). However no amendment was proposed by that meeting.

3. Action by the MET/SG

3.1 The MET/SG is invited to:

- a) Note the information in this paper.

DRAFT REGIONAL PROVISIONS IN THE ANP/FASID

BASIC ANP

WORLD AREA FORECAST SYSTEM (WAFS)

(FASID Table MET 5)

43. FASID Table MET 5 sets out the AFI Region requirements for WAFS forecasts to be provided by WAFC London. [WAFSOPSG Conclusion 1/2]

44. For back-up purposes, each WAFC should have the capability to produce WAFS forecasts for all the required areas of coverage. [WAFSOPSG Conclusion 5/2]

45. WAFS forecasts should be made available by WAFC London using the satellite distribution system for information relating to air navigation (SADIS), **including the Secure SADIS FTP service**; ~~international satellite communications system (ISCS1, ISCS2) covering the reception area shown in FASID Chart CNS [4] or using the satellite and Internet service.~~ [WAFSOPSG Conclusion **7/2**]

Editorial note.— Insert “or using the SADIS service” in the corresponding CNS procedure contained in Part IV of the ANP.

46. Each State should make the necessary arrangements to receive and make full use of operational WAFS forecasts made available by WAFC London. The lists of the authorized users of the SADIS services in the AFI Region and the locations of the operational VSATs and/or Internet file services are available from the following websites:

- <http://www2.icao.int/en/anb/met/sadisopsg/www.icao.int/safety/meteorology/sadisopsg/> (click “Operational Information” and then “Status of implementation of SADIS”) for SADIS;

[WAFSOPSG Conclusion ~~6/2~~ **7/2**]

FASID TABLE MET 5 — REQUIREMENTS FOR WAFS FORECASTS

EXPLANATION OF THE TABLE

Column

- | | |
|---|--|
| 1 | WAFS forecasts required by the AFI States, to be provided by WAFCs London. |
| 2 | Area of coverage required for the WAFS forecasts, to be provided by WAFc London. |

FORECAST REQUIRED	AREAS REQUIRED
1	2
SWH forecasts (FL 250-630) in the BUFR code form	GLOBAL
SWM forecasts (FL 100-250) in the BUFR code form	NIL
Forecasts of upper-air wind, temperature and humidity, cumulonimbus clouds, icing, and clear-air and in-cloud turbulence, and of geopotential altitude of flight levels in the GRIB code form	GLOBAL

Note 1.— SWM forecasts are provided for limited geographical areas as determined by regional air navigation agreement. Areas “ASIA SOUTH”, “EUR” and “MID” provided by WAFc London; area “NAT” provided by WAFc Washington.

Note 2.— WAFcs will continue to issue forecasts of SIGWX in PNG chart form for back-up purposes for fixed areas of coverage as specified in Annex 3.

Note 3.— Forecasts of cumulonimbus clouds, icing, and clear-air and in-cloud turbulence are labelled as “trial forecasts” and are currently distributed through the Internet-based services.