



INTERNATIONAL CIVIL AVIATION ORGANISATION
AFI PLANNING AND IMPLEMENTATION REGIONAL GROUP (APIRG)
METEOROLOGY SUB-GROUP TENTH MEETING (MET/SG/10)
(Dakar, Senegal, 29 June – 01 July 2011)

Agenda Item 8: 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 the for alignment of regional procedures globally.

Ref.: WAFSOPSG/6 and IAVWOPSG/5

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/6 and IAVWOPSG/5.

2. Discussions

2.1 WAFSOPSG/6 Meeting

2.1.1 The MET/SG will note that the Sixth Meeting of the WAFSOPSG held at the ICAO Office in Dakar from 21 to 24 March 2011, 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 make changes to clearly point out that the WAFS was responsible for making available the forecasts and to change FTP by Internet-based services to improve clarity wherever they were referred in the ANP FASID. 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.

2.1.2 In this regard, the Sub-group may wish to formulate the following decision:

Draft Decision 10/xx: WAFS-related Meteorological Regional Procedures

That the Meteorological Regional Procedures introduced by the WAFSOPSG at its sixth meeting be processed for inclusion in the AFI ANP/FASID according to the normal procedures.

2.2 IAVWOPSG/5 Meeting

2.2.1 The Sub-group will note that the Fifth Meeting of the IAVWOPSG held at the ICAO Office in Lima, Peru, from 15 to 19 March 2010, 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). The meeting is informed that no changes were considered necessary except for an update to:

- a) the areas of responsibility of volcanic ash advisory centres (VAACs) extending that of VAAC Wellington to encompass an uncovered area over the Southern Pacific; and
- b) the format of FASID Table MET 3A related to tropical cyclone advisory centres (TCACs) adding the location indicators (similar to FASID Table MET 3B).

2.2.2 In this regard, the Sub group may note that the IAVWOPSG Secretariat was tasked to forward the IAVW-related regional procedures for the extension of the areas of responsibility of Darwin VAAC.

3. Action by the MET/SG

3.1 The MET/SG is invited to:

- a) Note the information in this paper,
- b) Review the meteorological regional procedures and,
- c) decide on the above decision proposed for the Sub-group's consideration.

Appendix A

DRAFT REGIONAL PROVISIONS IN THE ANP/FASID

BASIC ANP

World area forecast system (WAFS)

(FASID Table MET 5)

1. FASID Table MET 5 sets out the [AFI, ASIA/PAC, CAR/SAM, EUR, MID, NAT] Region[s] requirements for WAFS forecasts to be provided by WAFC [London, Washington]. [WAFSOPSG Conclusion 1/2]
2. 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]
3. WAFS forecasts should ~~be disseminated~~- made available by WAFC [London, Washington] using the [satellite distribution system for information relating to air navigation (SADIS), 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 5/2]

Editorial Note.— Insert “or using the [SADIS, ISCS FTP WIFS service” in the corresponding CNS procedure contained in Part IV of the ANP.

4. Each State should make the necessary arrangements to receive and make full use of operational WAFS forecasts made ~~disseminated~~-available by WAFC [London, Washington]. The lists of the authorized users of the [SADIS, WIFS ISCS1, ISCS2] services in the [AFI, ASIA/PAC, CAR/SAM, EUR, MID, NAT] Region[s] and the locations of the operational VSATs and FTPs are available from the following websites:

- www.icao.int/anb/sadisopsg (click “Operational Information” and then “Status of implementation”) for SADIS;
- www.weather.gov/iscs (click: “Documents” and then “Status of implementation of ISCS listed by ICAO regions”) for ISCS.

[WAFSOPSG Conclusion 5/2]

FASID

World area forecast system (WAFS)

(FASID Table MET 5)

1. FASID Table MET 5 sets out the [AFI, ASIA/PAC, CAR/SAM, EUR, MID, NAT] Region[s] requirements for WAFS forecasts, to be provided by WAFC [London, Washington].

FASID TABLE MET 5 — REQUIREMENTS FOR WAFS FORECASTS

EXPLANATION OF THE TABLE

Column

- | | |
|---|--|
| 1 | WAFS forecasts required by the [AFI, ASIA/PAC, CAR/SAM, EUR, MID, NAT] States, to be provided by WAFCs [London, Washington]. |
| 2 | Area of coverage required for the WAFS forecasts, to be provided by WAFC [London, Washington]. |

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 or ASIA SOUTH, EUR, MID, NAT]
Forecasts of upper-air wind, temperature and humidity, cumulonimbus clouds, icing, and clear-air and in-cloud turbulence, and of 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.