



International Civil Aviation Organization

**NINETEENTH MEETING OF THE METEOROLOGY SUB-GROUP
(MET SG/19) OF APANPIRG**

Bangkok, Thailand, 3 - 6 August 2015

Agenda Item 6: Research, development and implementation issues in the MET field

6.1 WAFS (including WAFS TF Report)

REGIONAL PROGRESS IN WAFS IMPLEMENTATION

(Presented by Chairman, WAFS Task Force)

SUMMARY

This paper provides an update on the progress of WAFS implementation in the ASIA/PAC Region.

1. Introduction

1.1 This paper provide an update on the progress of WAFS implementation in the ASIA/PAC Region subsequent to MET SG/18.

2. Regional Progress

2.1 The progress of WAFS implementation in ASIA/PAC Region has been tracked by Attachment I to the WAFS TF Work Plan. An update to Attachment I is included as Appendix I to this paper. Particular attention is drawn to the following items that are already due for completion:

Item	Task/Stage of Implementation of WAFS	Anticipated Date
21	WAFS end-user workstations upgraded to accept the GRIB2 code form.	May 2011 – November 2013
29	Implementation of WAFS re-issuance policy for WAFS GRIB2 and WAFS SIGWX forecasts.	September 2014

2.2 Item 21 is related to the cessation of GRIB1 broadcast in November 2013, which has been completed. It should be noted, however, that certain States/Territories have not yet been

utilizing WAFS gridded global forecasts in GRIB2 code form. Details can be found in the results of a recent survey (see IP on “Survey on Operational Use of Services and Products from Service Providers of World Area Forecast System (WAFS) in Asia/Pacific Region and WAFS Training Needs of Asia/Pacific States”).

2.3 Regarding item 29, In accordance with WAFSOPSG Conclusion 7/5, the WAFCs have implemented processes to transmit corrections to WAFS SIGWX and WAFS GRIB2 forecasts. This item is considered completed.

3. Action by the Meeting

3.1 The meeting is invited to note the information provided in this paper and to exchange views on the progress of WAFS Implementation in the ASIA/PAC Region.

Appendix I***Indicative Timetable for Implementation of WAFS***

Item	Task/Stage of Implementation of WAFS	Anticipated Date
1	WAFS London products on access controlled internet site.	Completed
2	The establishment of back-up distribution arrangements for WAFS products.	Completed
3	Training in the operational conversion of GRIB forecasts to Wind / Temp charts.	Completed
4	All states that receive GRIB products capable of converting GRIB forecasts to Wind / Temp charts.	Completed
5	Removal of T4 Facsimile Wind / Temp charts from the satellite broadcast.	Completed
6	Training in the operational conversion of BUFR to SIGWX charts.	Completed
7	States having the ability to operate the decoding software to convert BUFR SIGWX messages into graphical format.	Completed
8	The satellite distribution by the two WAFSCs of global SWH and of SWM for limited geographical areas in BUFR format.	Completed
9	Launch of SADIS 2G service.	Completed
10	SADIS 2G seminar for ASIA/PAC States.	Completed
11	Removal of T4 Facsimile SIGWX products from the satellite broadcast.	Completed
12	Procurement of SADIS 2G hardware by SADIS user States.	Completed
13	Termination of the SADIS 1G service.	Completed
14	Launch of trial gridded forecasts of icing, turbulence and convective clouds.	Completed
15	Implementation of WAFS Internet File Service (WIFS).	Completed
16	Workshop on gridded forecasts of icing, turbulence and convective clouds.	Completed

17	WAFCs begin provision of WAFS forecasts in the GRIB2 code form via internet based services (SADIS FTP/ Secure SADIS FTP /WIFS).	Completed
18	WAFCs begin broadcast of WAFS forecasts in the GRIB2 code form (excluding gridded forecasts of icing, turbulence and CB clouds) via satellite services (SADIS/ISCS).	Completed
19	WAFCs provide web-based gridded forecasts of icing, turbulence and CB clouds.	Suspended until further notice
20	Regional training on the use of the gridded forecasts.	Completed
21	WAFS end-user workstations upgraded to accept the GRIB2 code form.	May 2011 – November 2013
22	Termination of the ISCS-G2 service.	Completed
23	Planned cessation of WAFS upper air forecasts in GRIB1 format. GRIB2 will be the sole format provided.	Completed
24	Implementation of Secure SADIS FTP Service.	Completed
25	Re-prioritisation of GRIB2 over GRIB1.	Completed
26	SADIS FTP will be ceased. Secure SADIS FTP will be the sole Internet based service provided by the UK.	Completed
27	The GRIB2 maximum icing potential deemed operational for Extended Division Time Operation (EDTO) purposes.	March 2011
28	The GRIB2 forecasts for icing, turbulence and CB clouds expected to be endorsed for operational use with Amendment 76 to ICAO Annex 3.	Completed
29	Implementation of WAFS re-issuance policy for WAFS GRIB2 and WAFS SIGWX forecasts.	September 2014 Completed