



**International Civil Aviation Organization**

**AFI PLANNING AND IMPLEMENTATION REGIONAL GROUP (APIRG)  
METEOROLOGY SUB-GROUP EIGHTH MEETING (MET/SG/8)**

(Nairobi, Kenya, 25-27 June 2007)

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**Agenda Item 2: Review of APIRG Conclusions and Decisions**

*(Presented by the Secretariat)*

**SUMMARY**

This paper presents the Conclusions and Decisions from MET/SG Meetings with information on action taken and status of validity.

**1. Introduction**

1.1 Past MET/SG meetings formulated a number of Conclusions and Decisions for appropriate actions by APIRG. Subsequently, various actions were taken by the Air Navigation Commission, the ICAO Council, the AFI/7 RAN Meeting and the Regional Offices on the decisions and conclusions of the APIRG.

1.2 **Attachment A** provides the list of decisions and conclusions of the MET/SG and action taken.

**2. Discussion**

2.1 The Secretariat has reviewed the list of valid decisions and conclusions as shown in **Attachment A**.

**2.2 Actions proposed**

The MET/SG is invited to review progress so far made on the implementation of these decisions and conclusions and to note the actions taken so far.

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**IMPLEMENTATION OF APIRG MET/SG CONCLUSIONS**

REPORT REFERENCE	ACTION BY	CONCLUSION OR DECISION TITLE AND ACTION REQUIRED
<i>Dec. No. &amp; Con. No. And Cross Reference</i>	Secretariat or State	
1) AFMAG Con. 1/6 APIRG Con. 8/43	States  Secretariat  Secretariat	<p><b>AMBEX PROCEDURES</b></p> <p>THAT:</p> <p>A) STATES PARTICIPATING IN THE AMBEX SCHEME STRICTLY FOLLOW AMBEX PROCEDURES AS CONTAINED IN THE AMBEX HANDBOOK.</p> <p>B) THE ICAO REGIONAL OFFICES CONCERNED, WITH A VIEW TO ASSISTING STATES WHERE MAJOR DEFICIENCIES ARE IDENTIFIED, CONDUCT A SECOND SERIES OF SEMINARS ON AMBEX PROCEDURES.</p> <p>C) ICAO REGIONAL OFFICES MONITOR THE OPERATION AND EFFECTIVENESS OF THE AMBEX SCHEME THROUGH PERIODIC TAF AVAILABILITY SURVEYS.</p> <p>ACTION ON-GOING.</p>
2) AFMAG Con. 3/2 APIRG Con.10/31	States	<p><b>RECEPTION OF THE SADIS</b></p> <p>THAT:</p> <p>A) AFI STATES, AS A MATTER OF URGENCY, MAKE THE REQUIRED ARRANGEMENTS TO ACQUIRE THE NECESSARY EQUIPMENT FOR RECEPTION OF THE WAFS SADIS PRODUCTS AT THEIR MET CENTRE(S).</p> <p>B) THE COST OF PROVISION OF SUCH SERVICE MAY BE RECOVERED THROUGH AIR NAVIGATION CHARGES.</p> <p>ACTION ON-GOING.</p>
3) AFMAG Con. 3/4 APIRG Con.10/33	States	<p><b>BRAZZAVILLE TCC</b></p> <p>THAT AUTHORITIES AT BRAZZAVILLE TCC BE URGED TO TAKE THE REQUIRED MEASURES TO IMPROVE TAF RECEPTION AND EXCHANGE AT THEIR TCC, NAMELY THE ESTABLISHMENT OF RELIABLE TELECOMMUNICATIONS LINKS WITH KINSHASA AND LUANDA.</p> <p>ACTION ON-GOING.</p>
4) AFMAG Con. 3/7 APIRG Con.10/48	States	<p><b>CONCLUSION 10/48 - ELIMINATION OF SHORTCOMINGS IN THE AIR NAVIGATION FIELDS.</b></p> <p>THAT STATES CONCERNED WITH SHORTCOMINGS CONTAINED IN APPENDICES 6.2 TO 6.5 MAKE ALL NECESSARY EFFORTS TO ELIMINATE THESE SHORTCOMINGS AS SOON AS POSSIBLE.</p> <p>ACTION ON-GOING.</p>
5) MET/SG Con. 4/4	States	<b>FEEDBACK ON SIGWX CHARTS TO LONDON WAFIC</b>

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APIRG Con.12/34		<p>THAT STATES RECEIVING SIGWX FROM WAFC LONDON PROVIDE FEEDBACK ON A TIMELY MANNER TO THE WAFC ON THEIR FINDINGS ON THE ACCURACY OF THE SIGWX TEST CHARTS RECEIVED.</p> <p>ACTION ON-GOING.</p>
6) MET/SG Con. 4/8 APIRG Con.12/38	States	<p><b>TECHNICAL AND FINANCIAL COMMITMENT TO SADIS</b></p> <p>THAT, STATES UNDER THE COVERAGE OF THE SADIS FOOTPRINT, BE ENCOURAGED TO CONSIDER IMPLEMENTATION OF THE SADIS COMPONENT OF THE AFS, AND THEIR TECHNICAL AND FINANCIAL COMMITMENT TO SADIS.</p> <p>ACTION ON-GOING.</p>
7) MET/SG Con.4/10 APIRG Con. 12/40	States, VAAC, Toulouse, ICAO	<p><b>TRAINING IN THE PREPARATION AND ISSUANCE OF VOLCANIC ASH ADVISORIES AND SIGMETs</b></p> <p>THAT, STATES CONCERNED SHOULD CONDUCT REGULAR EXERCISES IN COOPERATION WITH THEIR VAAC AT THEIR METEOROLOGICAL WATCH OFFICES (MWOs) ON THE PREPARATION AND ISSUANCE OF VOLCANIC ASH ADVISORIES AND SIGMETs IN ORDER TO KEEP THEIR AERONAUTICAL METEOROLOGICAL FORECASTERS CURRENT WITH THE PROCEDURES.</p> <p>ACTION ON-GOING.</p>
8) APIRG Con. 13/68	States	<p><b>BETTER COMMUNICATIONS FOR VOLCANO OBSERVATORIES</b></p> <p>THAT STATES CONCERNED MAKE EFFORTS TO ESTABLISH RELIABLE COMMUNICATIONS LINKS BETWEEN THEIR VOLCANO OBSERVATORIES AND METEOROLOGICAL WATCH OFFICES (MWOs) AND AREA CONTROL CENTRES (ACCs).</p> <p>ACTION ON-GOING</p>
9) MET/SG Con. 6/2 APIRG Con. 14/32	States	<p><b>NEED FOR LATEST VERSION OF WORKSTATION SOFTWARE</b></p> <p>THAT STATES IN THE AFI REGION BE ENCOURAGED TO ACQUIRE THE LATEST VERSION OF WORKSTATION SOFTWARE FROM THEIR RESPECTIVE WORKSTATION SUPPLIERS FOR THE USE OF GRIB AND BUFR CODES</p> <p>ACTION ON-GOING</p>
10. MET/SG Con. 6/4 <del>APIRG Con. 14/33</del>	States	<p><del>CONCLUSION 14/33: COMPOSITION OF THE SADIS OPERATIONS GROUP (SADISOPSG)</del></p> <p><del>THAT:</del></p> <p><del>A) MEMBERS OF THE SADISOPSG BE APPOINTED ONLY FROM STATES WHICH ARE USERS OF THE SERVICE AND HENCE PARTICIPATE IN THE MANDATORY COST RECOVERY SCHEME; AND</del></p> <p><del>B) IN ACCORDANCE WITH THIS PRINCIPLE, THE AFI MEMBERS IN THE SADISOPSG BE CÔTE D'IVOIRE, KENYA, SENEGAL, SOUTH AFRICA AND ASECNA.</del></p> <p><del>ACTION COMPLETED.</del></p>

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11. APIRG Con. 14/34	States	<p><del>CONCLUSION 14/34: APPLICATION OF EUR OPMET UPDATE PROCEDURES IN THE AFI REGION</del></p> <p>THAT, THE PROCEDURE SIMILAR TO THE EUR OPMET UPDATE PROCEDURE BE DEVELOPED AND INTRODUCED IN THE AFI REGION.</p> <p>ACTION COMPLETED.</p>
12. MET/SG Con. 6/5 — APIRG Con. 14/35	States	<p><del>DECISION 14/35: INTRODUCTION OF METARS IN AMBEX EXCHANGES</del></p> <p>THAT STATES IN THE AFI REGION BE INVITED TO IMPLEMENT METAR EXCHANGES AS CONTAINED IN THE AMBEX HANDBOOK 6<sup>TH</sup> EDITION.</p> <p>ACTION COMPLETED.</p>
13. MET/SG Con. 6/6 — APIRG Con. 14/36	States	<p><del>DECISION 14/36: INCLUSION OF PORT-GENTIL IN AMBEX EXCHANGES AND FASID TABLE MET 1A FOR TREND-FORECASTS</del></p> <p>THAT THE AERODROME OF PORT-GENTIL BE INCLUDED IN AMBEX EXCHANGES AND IN AFI FASID TABLE MET 1A.</p> <p>ACTION COMPLETED.</p>
14. MET/SG Con. 6/8 APIRG Con. 14/37	States	<p><del>CONCLUSION 14/37: COST RECOVERY OF AERONAUTICAL METEOROLOGICAL SERVICES</del></p> <p>THAT, WHEN ESTABLISHING A COST RECOVERY SYSTEM FOR AERONAUTICAL METEOROLOGICAL SERVICES, STATES IN THE AFI REGION USE RELEVANT ICAO AND WMO DOCUMENTS AND COOPERATE WITH AIRPORTS, AIR NAVIGATION SERVICES AND OTHER AERONAUTICAL PARTNERS, INCLUDING USERS.</p> <p>ON-GOING.</p>
15) APIRG Con. 14/38	WMO and Secretariat	<p><del>SEMINARS ON COST RECOVERY OF AERONAUTICAL METEOROLOGICAL SERVICES</del></p> <p>THAT WMO IN CO-ORDINATION WITH ICAO ORGANIZE SEMINARS ON COST RECOVERY OF AERONAUTICAL METEOROLOGICAL SERVICES FOR STATES REQUIRING THEM.</p> <p>ACTION ON-GOING</p>
16) MET/SG Con. 6/9 APIRG Con. 14/39	States	<p><del>AUTONOMOUS ENTITIES AND METEOROLOGICAL SERVICE FOR AIR NAVIGATION</del></p> <p>THAT STATES IN THE AFI REGION WHEN CONSIDERING THE ESTABLISHMENT OF AUTONOMOUS ENTITIES TO MANAGE THEIR AIR NAVIGATION SERVICES, TAKE DUE ACCOUNT OF THE PROVISION OF METEOROLOGICAL SERVICE TO AIR NAVIGATION.</p> <p>ACTION ON-GOING</p>
17) MET/SG Con. 6/10 APIRG Con. 14/40	States	<p><del>QUALITY MANAGEMENT</del></p> <p>THAT STATES IN THE AFI REGION GIVE PRIORITY TO IMPLEMENTATION OF A QUALITY MANAGEMENT SYSTEM (ISO 9000</p>

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		<p>SERIES OF STANDARDS) IN ORDER TO IMPROVE METEOROLOGICAL SERVICE FOR INTERNATIONAL AIR NAVIGATION.</p> <p>ACTION ON-GOING</p>
18) APIRG Con. 14/41	Secretariat	<p><b>STUDY OF TRAINING AVAILABLE FOR AERONAUTICAL METEOROLOGICAL PERSONNEL IN THE AFI REGION</b></p> <p>THAT AS A FOLLOW-UP ACTION ON RECOMMENDATION 10/26 OF LIM AFI (COM/MET/RAC) 1988 AND RECOMMENDATION 14/17 OF AFI/7, 1997, REGIONAL OFFICES DAKAR AND NAIROBI CARRY OUT THE STUDY OF TRAINING AVAILABLE FOR AERONAUTICAL METEOROLOGICAL PERSONNEL IN THE AFI REGION.</p> <p>ACTION UNDERWAY.</p>
19) APIRG Con. 14/42	Secretariat and WMO	<p><b>SEMINARS ON ATS/MET/PILOT COORDINATION</b></p> <p>THAT ICAO, IN CO-ORDINATION WITH WMO, ORGANIZE SEMINARS ON ATS/MET/PILOT CO-ORDINATION FOR THE AFI REGION.</p> <p>ACTION ON-GOING.</p>
20) APIRG Con. 14/43	States	<p><del><b>DECISION 14/43: METEOROLOGY CHAPTER FOR THE AFI CNS/ATM IMPLEMENTATION</b></del></p> <p><del>THAT A TASK FORCE INCLUDING EXPERTS IN ATM, CNS AND MET FIELDS FROM KENYA, NIGERIA, SENEGAL, SOUTH AFRICA, UNITED KINGDOM, ASECNA AND IATA BE ESTABLISHED TO DEVELOP THE METEOROLOGY COMPONENT OF THE AFI CNS/ATM IMPLEMENTATION PLAN ALONG THE LINES GIVEN AT APPENDIX H.</del></p> <p><del>ACTION COMPLETED.</del></p>
21) APIRG Con. 15/81	WAFC, London	<p><b>TRAINING FOR THE USE OF GRIB AND BUFR CODES</b></p> <p>THAT THE UNITED KINGDOM, IN COORDINATION WITH ICAO AND WMO, BE INVITED TO CONSIDER PROVIDING TRAINING FOR THE USE OF GRIB AND BUFR CODES TO THOSE AFI STATES WHICH HAVE NOT BENEFITED FROM PREVIOUS TRAINING SEMINARS.</p> <p>ACTION DEFERRED DUE TO LACK OF FUNDING.</p>
22) APIRG Con. 15/82	States	<p><b>PROCUREMENT OF THE NECESSARY SADIS 2G HARDWARE</b></p> <p>THAT SADIS USERS IN THE AFI REGION BE INVITED TO:</p> <p>A) PROCURE THE NECESSARY SADIS 2G HARDWARE WELL AHEAD OF THE TERMINATION OF THE 1G SERVICE ON 31 DECEMBER 2008, AND</p> <p><del>B) ATTEND THE SADIS SEMINAR SCHEDULED TO TAKE PLACE IN 2006 AIMED AT ASSISTING USERS IN THE PROCUREMENT OF SADIS 2G HARDWARE AND, AS NECESSARY, COMPLIANT VISUALISATION SOFTWARE.</del></p> <p>A) ACTION ON GOING. B) ACTION COMPLETED.</p>
23) APIRG Con. 15/83	States	<p><del><b>PARTICIPATION OF AFI STATES IN THE SURVEY IN MAY 2006 ON UTILIZATION OF BUFR-CODED (SIGWX) FORECASTS</b></del></p>

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		<p>THAT AFI STATES BE URGED TO PARTICIPATE IN THE SURVEY IN MAY 2006 AIMED AT VERIFYING THE IMPLEMENTATION OF THE RECEPTION AND EFFECTIVE UTILIZATION OF BUFR CODED (SIGWX) FORECAST BY STATES.</p> <p>ACTION COMPLETED.</p>
24) APIRG Con. 15/84	W AFC, London	<p><b>CONCLUSION 15/84: SADIS INTERNET FTP SERVICE</b></p> <p>THAT, IN PARALLEL WITH THE SATELLITE BROADCAST, THE SADIS PROVIDER STATE BE INVITED, AS OF 1 JULY 2005, TO MAKE WAFS FORECASTS AND OPERATIONAL METEOROLOGICAL (OPMET) DATA AVAILABLE, AS A PRIMARY COMPONENT OF THE SADIS SERVICE, IN ACCORDANCE WITH THE SADIS USER GUIDE THROUGH THE INTERNET BASED SADIS FTP SERVICE.</p> <p><i>NOTE 1 – THE DEVELOPMENT AND MANAGEMENT OF THIS SERVICE WILL BE OVERSEEN BY THE SADISOPSG, AND ITS WORK PROGRAMME WILL BE AMENDED ACCORDINGLY.</i></p> <p><i>NOTE 2 – THE SADIS COST RECOVERY ADMINISTRATIVE GROUP (SCRAG) HAS BEEN INFORMED ABOUT THE PLANNED DATE OF IMPLEMENTATION.</i></p> <p>ACTION COMPLETED.</p>
25) APIRG Con. 15/85	W AFC London	<p><b>CONCLUSION 15/85: PNG FORMATTED (SIGWX) CHARTS TO BE ADDED TO THE SADIS SATELLITE SERVICES</b></p> <p>THAT THE SATELLITE DISTRIBUTION SYSTEM OPERATIONS GROUP (SADISOPSG) INVITED TO CONSIDER ADDING THE PNG FORMATTED WAFS SIGWX CHARTS TO THE SADIS SATELLITE SERVICES.</p> <p>ACTION COMPLETED.</p>
26) APIRG Con. 15/86	Secretariat	<p><b>SADIS STRATEGIC ASSESSMENT TABLES</b></p> <p>THAT THE SADIS STRATEGIC ASSESSMENT TABLES, AS GIVEN IN APPENDIX S TO THIS REPORT, BE ADOPTED AND FORWARDED TO THE SADISOPSG TO PLAN THE FUTURE REQUIREMENTS FOR BANDWIDTH ON THE SADIS BROADCAST.</p> <p>ACTION COMPLETED.</p>
27) APIRG Con. 15/87	Secretariat	<p><b>OPMET EXCHANGES WITH THE EUROPEAN REGION</b></p> <p>THAT AFI TAF COLLECTING CENTRES (TCCS) BE INVITED, TO ADD IN THE AMBEX, THE PREDETERMINED ADDRESS TOULOUSE: LFZZMAFI FOR EXCHANGE OF METARS AND TAFS WITH THE EUR REGION.</p> <p>ACTION COMPLETED.</p>
28) APIRG Con. 15/88	Secretariat	<p><b>AFI FASID TABLE MET 2A</b></p> <p>THAT THE SADIS USER GUIDE, ANNEX 1 BE ADOPTED AS THE AFI FASID TABLE MET 2A.</p> <p>ACTION COMPLETED.</p>
29) APIRG Con. 15/89	States	<p><b>IMPLEMENTATION OF THE AFI OPMET DATA BANKS</b></p> <p>THAT SENEGAL AND SOUTH AFRICA BE INVITED TO URGENTLY IMPLEMENT THE DAKAR AND PRETORIA INTERNATIONAL OPMET DATA BANKS</p>

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		ACTION ON-GOING.
30) APIRG Con. 15/90	VAAC, Toulouse ICAO	<p><del>TEST ON THE RECEPTION OF VOLCANIC ASH ADVISORIES IN THE AFI REGION</del></p> <p>THAT VAAC IN TOULOUSE, IN COORDINATION WITH ICAO, BE INVITED TO ORGANIZE A TEST FOR ON THE RECEPTION OF VOLCANIC ASH ADVISORIES IN THE AFI REGION BEFORE END OF JULY 2006.</p> <p><del>NOTE THE PROCEDURES TO BE FOLLOWED FOR THE TEST ARE AT APPENDIX U TO THIS REPORT.</del></p> <p>ACTION COMPLETED.</p>
31) APIRG Con. 15/91	WMO, Secretariat	<p><del>PREPARATION OF THE VOLCANIC ASH HEADER LIST FOR THE AFI REGION</del></p> <p>THAT WMO, IN CONSULTATION WITH THE ICAO AND THE STATES, BE INVITED TO PREPARE THE VOLCANIC ASH SIGMET HEADER LIST FOR THE AFI REGION ON THE BASIS OF THE CURRENT SIGMET HEADER LIST AND REPLACING "WS" WITH "WV" IN THE HEADERS.</p> <p>ACTION ON-GOING</p>
32) APIRG Con. 15/92	Secretariat	<p><del>METEOROLOGICAL REGIONAL PROCEDURES</del></p> <p>THAT THE METEOROLOGICAL REGIONAL PROCEDURES, AT APPENDIX V TO THE REPORT, REPLACE THE EXISTING REGIONAL PROCEDURES OF THE AFI ANP/FASID (DOC 7474 — AIR NAVIGATION PLAN — AFRICA INDIAN OCEAN REGION, VOLUME II — FASID).</p> <p>ACTION COMPLETED.</p>
33) APIRG Dec. 15/93		<p><del>DISSOLUTION OF THE TASK FORCE ON METEOROLOGY COMPONENT OF THE AFI CNS/ATM PLAN</del></p> <p>THAT THE TASK FORCE ON THE METEOROLOGY COMPONENT OF THE AFI CNS/ATM PLAN BE DISSOLVED AS ITS TASK IS TRANSFERRED TO THE AFI ATM SUB-GROUP.</p> <p>ACTION COMPLETED.</p>
34) APIRG Dec. 15/94	Secretariat	<p><del>TRAINING AND QUALIFICATIONS OF AERONAUTICAL METEOROLOGY PERSONNEL</del></p> <p>THAT THE SUBJECT OF TRAINING AND QUALIFICATIONS OF AERONAUTICAL METEOROLOGY PERSONNEL BE INCLUDED IN THE WORK PROGRAMME OF THE AFI MET/SG.</p> <p>ACTION COMPLETED.</p>

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