



Agenda Item 1: Review of the results of the work of the GREPECAS Contributory Bodies and their corresponding terms of reference

e) AERMETSG

(Presented by the Secretariat)

SUMMARY

This working paper presents an analysis of the results of the work of the GREPECAS AERMET Subgroup in accordance with the terms of reference and work programme approved by GREPECAS/14.

References:

- GREPECAS/14 Final Report, San José de Costa Rica, 16 – 20 April 2007;
- Sixteenth Meeting of the GREPECAS Administration Coordination Group (ACG/6), Lima, 2 - 3 March 2006;
- AERMETSG/8, Santiago, Chile, 9 - 12 October 2006;
- Doc 9750 – Air Navigation Global Plan

1. Introduction

1.1 The terms of reference of the GREPECAS Administration Coordination Group (ACG), include the coordination and harmonization of GREPECAS administrative matters and its contributory bodies, as well as the follow up and control of the deadlines set for their implementation.

1.2 The ACG/6 (Lima, 2 to 3 March 2006), reviewed and updated the terms of reference of the work programme of the AERMET Subgroup, presented at the AERMETSG/7 (Mexico city, 23 to 27 May 2005), which were updated and approved by GREPECAS/14 (San José de Costa Rica, 16 - 20 April 2007), in accordance with AERMETSG/8 (Santiago de Chile, 9 to 13 October 2006).

2. Discussion

2.1 The analysis of the results of the work of GREPECAS AERMET Subgroup is presented in **Appendix A** to this working paper using the format presented in GREPECAS, and in **Appendix B**, using MS Project Manager Programme, following Decision ACG/3/01 of GREPECAS Coordinator Group.

3. **Action required**

3.1 The meeting is invited to:

- a) take note of the information provided in Appendices A and B to this working paper;
and
- b) take appropriate actions, as necessary.

APPENDIX A
AERMETSG WORK PROGRAMME

No.	TASK DESCRIPTION	PRIORITY	DATE		CURRENT STATUS
			START	END	
MET Facilities and services					
1	Carry out a survey on MET facilities and services and present the results in terms of percentage of implementation of facilities and services at the AERMETSG/9.	A	JUL 2007	DIC 2007	The survey was developed based on the standards of Annex 3. This task should be permanent since it should be updated on the basis of the amendments to Annex 3, and to reflect the progress and improvements of MET facilities and services, which are constantly changing.
WAFS Implementation					
2	Monitor WAFS implementation, in particular States readiness to convert significant weather forecasts (SYGWX) received, into SIGWX in BUFR code and present the results in percentage terms to the AERMETSG/9.	A	FEB 2001	DIC 2007	This monitoring was developed, however, it should continue until the total implementation of the system in all the States of the CAR/SAM Regions.
3	Carry out a survey on ISCS efficacy in order to send it to the focal points and analyze the results to be presented at the AERMETSG/9.	A	FEB 2007	MAY 2007	The survey was carried out by the Secretariat and the replies were submitted to the group rapporteur for further analysis. This survey should be made annually, as it is in other ICAO regions, to keep it updated.
IAVW Implementation					
4	Monitor IAVW implementation, in particular the status of the designation of volcano observatories and present the results in terms of percentage of IAVW implementation and of the designation of volcano observatories at the AERMETSG/9.	A	FEB 2001	DIC 2007	This monitoring was developed, however, it should continue until the total implementation of the system in every State of the CAR/SAM regions, particularly in respect to the CAR Region.
5	Carry out annual SIGMET WV tests, analyze their results and present them at the next AERMETSG Meeting.	B	NOV 2006	Continua	The tests were carried out in December 2007 and their analysis should be made by the Task Force on Volcanic Ash, which is currently without President.

No.	TASK DESCRIPTION	PRIORITY	DATE		CURRENT STATUS
			START	END	
6	Develop, in coordination with the Secretariat, the draft Guidance Material for the development of airport emergency plans in case of volcanic eruptions in the CAR/SAM Regions.	B	JUL 2005	MAR 2008	The draft guidance material was developed, pending the final version, which was being carried out by the rapporteur of the Task Force on Volcanic Ash.
7	Monitor the implementation of the tropical cyclones alert system, in particular the introduction of every 6 hours forecasts.	A	ENE 2007	DIC 2007	The monitoring was being developed by the rapporteur of the Task Force on Volcanic Ash, but it should continue until the total implementation of the system in every State of the CAR/SAM regions, particularly in respect to the CAR Region.
OPMET Exchange					
8	Monitor the issuance and dissemination of OPMET data, in particular of SIGMET according with CAR/SAM FASID Tables MET 1A and 2B and “global” requirements.	B	MAR 2007	Continua	The monitoring was developed and the results should be presented at the next meeting of the Subgroup.
9	Monitor OPMET information exchange (METAR/SPECI, TAF and SIGMET in BUFR code).	TBD	TBD	TBD	The elimination of this task is proposed.
10	Develop in coordination with the Secretariat the OPMET Guide	B	JUL 2005	MAR 2008	The Secretariat is reviewing a draft received from the rapporteur of the Task Force on OPMET Exchange. The draft will be presented at the AERMETS/9 meeting.
11	Develop a plan for the implementation of migration of OPMET messages in BUFR code, with possibilities of different scenarios for the transition, including a cost-benefit study and its implications.	A	ENE 2007	DIC 2008	The Air Navigation Commission at its fourth Meeting of the 176 th Session (25 October 2007) agreed that work by the Secretariat on the migration to the BUFR-code form be suspended until the results of the study by a WMO Expert Team on the use of XML are made known.
12	Coordinate the OPMET exchange control, analyze the results and present them in the next AERMETS Meeting.	A	JUL 2006	Continua	The survey was carried out from 10 to 16 June and is being analyzed by the Task Force on OPMET Exchange.
MET Requirements in the CNS/ATM concept					
13	Based on the edition in preparation of Doc 9750 - <i>Global Air Navigation Plan for CNS/ATM</i> , develop MET chapter of the <i>CAR/SAM Regional Plan for the implementation of CNS/ATM systems</i> , Document I.	B	JUN 2006	DIC 2007	Aeronautical meteorologists of the CAR/SAM regions have not received any type of training related with the transition to

No.	TASK DESCRIPTION	PRIORITY	DATE		CURRENT STATUS
			START	END	
14	Monitor the research and development of MET concept in CNS/ATM field and facilitate the transference of this information and experience among CAR/SAM States.	B	JUL 2005	DIC 2007	the ATM Global Plan, nor have participated in meetings related with this matter. The difficulty in advance these tasks is the lack of knowledge of meteorologists, thus it is expected that with appropriate training, Chapter 8 of the Transition plan towards the ATM system in the CAR/SAM Regions, Version 1.1, November 2006, could be developed.
15	Identify activities for the implementation of new meteorological services related both to training and application of the new CNS/ATM systems. Provide guidelines.	A	JUL 2005	DIC 2007	
16	Carry out a study to determine the need for VOLMET services in the CAR/SAM Regions.	B	JUL 2005	DIC 2007	
MET Training					
17	Propose short, medium and long-term measures to satisfy the requirements for MET personnel in the States of the CAR/SAM Regions.	B	ENE 2005	DIC 2007	The measures will be proposed in the AERMETS/9. It is proposed to consider this task as Completed and eliminate it, with the implementation of GREPECAS Conclusion 10/39 (the Council took note that in accordance with the <i>Modus Vivendi</i> between the <i>International Civil Aviation Organization</i> and the <i>World Meteorological Organization</i> - Document 7475, this Conclusion should be submitted to WMO and requested the Secretary General to invite WMO to consider the development and application of this project in coordination with ICAO) and Conclusion 12/68, (The Council took note of the conclusion and asked the Secretary General to request WMO to give priority to the training in the aeronautical meteorology field).
MET Deficiencies					
18	Update the list of MET deficiencies.	A	JUL 2005	Continua	This task is carried out after each mission or when information from the State is received.

SEVENTH MEETING OF THE ADMINISTRATION COORDINATION GROUP

WP/06 Appendix B
Working Programme of AERMETSG

ID	Task Name	Respons.	Associated SO & GIP	Prior	Compl	Duration	Start	Finish	2001		2002		2003		2004		2005		2006		2007		2008	
									H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1
1	AERMET/SG/6 Meeting	Brazil	A,D - GPI 19		90%	5 days	Mon 23/06/03	Fri 27/06/03																
2	AERMETSG/7 Meeting	Mexico	A,D - GPI 19		90%	5 days	Mon 23/05/05	Fri 27/05/05																
3	AERMETSG/8 Meeting	Chile	A,D - GPI 19		90%	5 days	Mon 9/10/06	Fri 13/10/06																
4	1 - Subject: MET Facilities and Services		A,D - GPI 19		100%	131 days?	Sun 1/07/07	Mon 31/12/07																
6	Carry out a survey on MET facilities and services and present the results in terms of % of implementation at the AERMETSG/9	AERMETSG	A,D - GPI 19	A	100%	131 days	Sun 1/07/07	Mon 31/12/07																
7	2-Subject: WAFS Implementation	MET/ATM/OPS 1	D - GPI 19	A	100%	1789 days	Mon 5/02/01	Tue 11/12/07																
8	Monitor WAFS implementation, in particular States readiness to convert significant weather forecasts (SYGWX) received, into SIGWX in BUFR code and present the results in percentage terms to the AERMETSG/9.	MET/ATM/OPS TF	D - GPI 19	A	100%	1789 days	Mon 5/02/01	Tue 11/12/07																
9	Carry out a survey on ISCS efficacy in order to send it to the focal points and analyze the results to be presented at the AERMETSG/9.	MET/ATM/OPS TF	D - GPI 19	A	100%	84 days	Mon 5/02/07	Thu 31/05/07																
10	3 - IAVW Implementation	MET/ATM/OPS 1	A - GPI 19		0%	1915 days?	Wed 28/02/01	Fri 27/06/08																
11	Monitor IAVW implementation, in particular the status of the designation of volcano observatories and present the results in terms of percentage of IAVW implementation and of the designation of volcano observatories at the AERMETSG/9.	VA TF	A - GPI 19	A	0%	1775 days	Wed 28/02/01	Fri 14/12/07																
12	Carry out annual SIGMET WV tests, analyze their results and present them at the following AERMETSG Meeting.	VA TF	A - GPI 19	B	0%	430 days?	Mon 6/11/06	Fri 27/06/08																
13	Develop, in coordination with the Secretariat, the draft Guidance Material for the development of airport emergency plans in case of volcanic eruptions in the CAR/SAM Regions.	VA TF	A - GPI 19	B	0%	781 days?	Mon 4/07/05	Fri 27/06/08																
14	Monitor the implementation of the tropical cyclones alert system, in particular the introduction of every 6 hours forecasts.	VA TF	A - GPI 19	A	0%	261 days?	Mon 1/01/07	Mon 31/12/07																
15	4 - OPMET exchange	COM/MET TF	A - GPI 19		0%	781 days?	Mon 4/07/05	Fri 27/06/08																
16	Monitor the issuance and dissemination of OPMET data, in particular of ISGMET according with CAR/SAM FASID Tables MET 1A and 2B and "global" requirements.	COM/MET TF	A - GPI 19	B	0%	280 days	Mon 4/06/07	Fri 27/06/08																
17	Monitor OPMET information exchange (METAR/SPECI, TAF and SIGMET in BUFR code).	COM/MET TF	A - GPI 19	TBD	0%	0 days	Fri 2/03/07	Fri 2/03/07																
18	Develop in coordination with the Secretariat the OPMET Guide	COM/MET TF	A - GPI 19	B	0%	781 days?	Mon 4/07/05	Fri 27/06/08																

Project: AERMETSG Work Prog
Date: Tue 12/02/08

Task		Summary		Rolled Up Progress		Project Summary	
Progress		Rolled Up Task		Split		Group By Summary	
Milestone		Rolled Up Milestone		External Tasks			

SEVENTH MEETING OF THE ADMINISTRATION COORDINATION GROUP

WP/06 Appendix B
Working Programme of AERMETS

ID	Task Name	Respons.	Associated SO & GIP	Prior	Compl	Duration	Start	Finish	2001		2002		2003		2004		2005		2006		2007		2008	
									H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1
19	Develop a plan for the implementation of migration of OPMET messages in BUFR code, with possibilities of different scenarios for the transition, including a cost-benefit study and its implications.	COM/MET TF	A - GPI 19	A	0%	0 days	Fri 31/03/06	Fri 31/03/06																
20	Coordinate the OPMET exchange control, analyze the results and present them in the next AERMETS Meeting.	COM/MET TF	A - GPI 19	A	0%	762 days?	Fri 29/07/05	Fri 27/06/08																
21	5 - MET Requirements in the CNS/ATM concept	MET/ATM/OPS TF	D - GPI 19		0%	478 days?	Thu 2/03/06	Mon 31/12/07																
22	Based on the edition in preparation of Doc 9750 - Global Air Navigation Plan for CNS/ATM, develop MET chapter of the CAR/SAM Regional Plan for the implementation of CNS/ATM systems, Document I.	MET/ATM/OPS TF	D - GPI 19	B	0%	392 days	Fri 30/06/06	Mon 31/12/07																
23	Monitor the research and development of MET concept in CNS/ATM field and facilitate the transference of this information and experience among CAR/SAM States.	MET/ATM/OPS TF	D - GPI 19	B	0%	392 days?	Thu 2/03/06	Fri 31/08/07																
24	Identify activities for the implementation of new meteorological services related both to training and application of the new CNS/ATM systems. Provide guidelines.	MET/ATM/OPS TF	D - GPI 19	A	0%	392 days?	Fri 30/06/06	Mon 31/12/07																
25	Carry out a study to determine the need for VOLMET services in the CAR/SAM Regions.	MET/ATM/OPS TF	D - GPI 19	B	0%	392 days?	Fri 30/06/06	Mon 31/12/07																
26	6 - MET Training	MET/ATM/OPS 1	D - GPI 19		0%	782 days?	Mon 3/01/05	Mon 31/12/07																
27	Propose short, medium and long-term measures to satisfy the requirements for MET personnel in the States of the CAR/SAM Regions.	MET/ATM/OPS TF	A, D - GPI 19	B	0%	782 days?	Mon 3/01/05	Mon 31/12/07																
28	7 - MET Deficiencies	MET/ATM/OPS 1	A - GPI 19		0%	392 days?	Fri 30/06/06	Mon 31/12/07																
29	Update the list of MET deficiencies.	MET/ATM/OPS TF	A - GPI 19	B	0%	392 days?	Fri 30/06/06	Mon 31/12/07																

Project: AERMETS Work Prog
Date: Tue 12/02/08

Task		Summary		Rolled Up Progress		Project Summary	
Progress		Rolled Up Task		Split		Group By Summary	
Milestone		Rolled Up Milestone		External Tasks			