

CNS/MET SG/14 – WP/21 - Attachment

(MET section extracted from APANPIRG/20
Appendix A to the Report on Agenda Item 3.0)

ASIA/PACIFIC REGION

PERFORMANCE FRAMEWORK FORM
(REGIONAL)

(amended 21 July 2010)

REGIONAL PERFORMANCE OBJECTIVE: <u>APAC Objective 12</u>				
IMPLEMENT INTERNATIONAL AIRWAYS VOLCANO WATCH (IAVW), INTERNATIONAL TROPICAL CYCLONE WATCH (ITCW), AND SIGMETS AND ADVISORIES				
Benefits				
Safety Efficiency	<ul style="list-style-type: none"> Improve in-flight safety by providing information on volcanic ash, tropical cyclone or and other hazardous weather Improve pre-flight planning by optimizing flight routes with respect to volcanic ash, tropical cyclone and other hazardous weather phenomena 			
Strategy Short term/Medium term (2011 - 2015)				
ATM OC COMPONENTS	TASKS	TIME FRAME	RESPONSIBILITY	STATUS
MET	<ul style="list-style-type: none"> Monitor and provide assistance in the regional implementation of meteorological warnings and advisories that include volcanic ash and tropical cyclone advisories and SIGMET 	2009 - 2015	VA/TC/TF METWARN/I TF	In progress
	<ul style="list-style-type: none"> Conduct periodic tests for SIGMET on volcanic ash and tropical cyclones in view of assessing improvements in their implementation 	2009 – 2015	METWARN/I TF & RODB VA/TC/TF & OPMET/M TF	In progress
	<ul style="list-style-type: none"> Conduct periodic tests for SIGMET for hazardous weather phenomena other than volcanic ash and tropical cyclone in view of assessing improvements in their implementation 	2009 – 2015	METWARN/I TF RODB & OPMET/M TF	In progress
	<ul style="list-style-type: none"> Update the Regional SIGMET Guide to keep it consistent with Annex 3 	2010, 2013	METWARN/I TF VA/TC/TF & OPMET/M TF & RO	In progress
	<ul style="list-style-type: none"> Develop framework for contingency plan for volcanic ash with reference to developments made by the IVATF and WMO scientific steering committee 	2010-2011	METWARN/I TF & MET/ATM TF	To begin
Linkage to GPIs	GPI/19 – Meteorological Systems			

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References	<ul style="list-style-type: none">• <i>Annex 3</i>• <i>Manual on Volcanic Ash, Radioactive Material and Toxic Chemical Clouds (Doc 9691)</i>• <i>Handbook on the International Airways Volcano Watch (IAVW) Operational Procedures and Contact List (Doc 9766)</i>• <i>Manual on Low-level Wind Shear (Doc 9817)</i>• <i>Asia/Pacific Regional SIGMET Guide</i>
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(amended 14 July 2010)

REGIONAL PERFORMANCE OBJECTIVE: <u>APAC Objective 13</u>				
IMPLEMENT WAFS AND ASSOCIATED DEVELOPMENTS				
Benefits				
Safety Efficiency	<ul style="list-style-type: none"> Improve the regional implementation of weather forecasts (upper-level winds, turbulence, icing, cumulonimbus) used by airlines and ATM needed to optimize flight routes which will provide an increase in efficiency and reduced carbon emissions 			
<i>Strategy</i>				
Short term/Medium term (2011 - 2015)				
ATM OC COMPONENTS	TASKS	TIME FRAME	RESPONSIBILITY	STATUS
MET	<ul style="list-style-type: none"> Assist the regional implementation of new gridded products for turbulence, icing and cumulonimbus forecasts 	2009-2011	WAFS/I TF	In progress
	<ul style="list-style-type: none"> Facilitate in organizing regional training of new gridded products for turbulence, icing and cumulonimbus forecasts 	2010-2011	WMO & ICAO	In progress
	<ul style="list-style-type: none"> Monitor the implementation of WIFS until cessation of ISCS-G2 broadcast 	2012	WAFS/I TF	In progress
Linkage to GPIs	GPI/19 – Meteorological Systems			
References	<ul style="list-style-type: none"> <i>Annex 3</i> http://www.icao.int/anb/wafsopsg/ http://www.icao.int/anb/sadisopsg/ <i>Asia/Pac WAFS Implementation Plan and Procedures</i> 			

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REGIONAL PERFORMANCE OBJECTIVE: <u>APAC Objective 14</u>				
DEVELOP REGIONAL MET REQUIREMENTS TO SUPPORT ATM				
Benefits				
Safety Efficiency	<ul style="list-style-type: none"> Improve efficiency of ATM and airlines by providing tailored regional MET products needed to optimize flight routes in all weather conditions 			
Strategy				
Short term/Medium term (2011 - 2015)				
ATM OC COMPONENTS	TASKS	TIME FRAME	RESPONSIBILITY	STATUS
MET	<ul style="list-style-type: none"> Conduct MET ATM meeting in 2009 to determine actions needed to obtain regional MET requirements to support ATM 	2009	MET ATM	In progress complete
	<ul style="list-style-type: none"> Conduct survey on regional ATM requirements for MET information 	2009 - 2011	MET ATM	To commence after MET ATM meeting
	<ul style="list-style-type: none"> Conduct MET seminar in 2010 2011 to further develop list of possible regional MET requirements to support ATM 	2010 Jan 2011	MET ATM	future
	<ul style="list-style-type: none"> Facilitate implementation of new terminal forecast Meteorological Services for the Terminal Area (under development by WMO) 	2010-2016	MET ATM	future
Linkage to GPIs	GPI/19 – Meteorological Systems			
References	<ul style="list-style-type: none"> Manual on co-ordination between Air Traffic Services, Aeronautical Information Services and Aeronautical Meteorological Services (Doc 9377) 			

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REGIONAL PERFORMANCE OBJECTIVE: <u>APAC Objective 15</u>				
IMPROVE OPMET EXCHANGE EFFICIENCY				
Benefits				
Safety Efficiency	<ul style="list-style-type: none"> Increase OPMET availability and reliability needed for flight planning (efficiency) and in-flight re-planning (safety) 			
Strategy				
Short term/Medium term (2011 - 2015)				
ATM OC COMPONENTS	TASKS	TIME FRAME	RESPONSIBILITY	STATUS
MET	<ul style="list-style-type: none"> Improve the availability of OPMET data at the Regional OPMET Data Banks (RODB) 	2009 - 2015	OPMET/M TF	In progress
	<ul style="list-style-type: none"> Improve the inter-regional OPMET exchange 	2009 - 2015	OPMET/M TF	In progress
	<ul style="list-style-type: none"> Improve the availability of OPMET data in the Pacific 	2009 - 2015	OPMET/M TF & TCB & PASO & States	In progress
	<ul style="list-style-type: none"> Review and update regional ROBEX tables and guidance material 	2009 - 2015	OPMET/M TF & RO	In progress
	<ul style="list-style-type: none"> <i>Facilitate and monitor the migration to AIM and new MET codes (e.g. XML) for METAR/SPECI, TAF and SIGMET</i> 	<i>TBD</i>	<i>OPMET/M TF & RO</i>	<i>TBD</i>
Linkage to GPIs	GPI/19 – Meteorological Systems (Note: if sufficient assessment information is available at the OPMET/M TF/7 meeting, use as baseline and provide a target level of improvement in the first 3 bullets)			
References	<ul style="list-style-type: none"> <i>SADIS User Guide</i> <i>ROBEX Handbook</i> <i>Asia/Pacific OPMET Data Banks Interface Control Document</i> 			