



## DEVELOPMENT OF THE RA II STRATEGIC OPERATING PLAN FOR 2012-2015

### SUMMARY

#### ADDITIONAL FINANCIAL IMPLICATION:

None

#### ISSUES TO BE DISCUSSED:

Adoption of RA II Operating Plan (OP) 2012-2015 and approach to be taken for the preparation of the RA II Strategic Operating Plan (SOP) 2012-2015

#### DECISIONS/ACTIONS REQUIRED:

The session is invited to review the final draft RA II OP 2012-2015 and agree to the approval by the president of RA II. It is also invited to provide advice on the appropriate approach and timeline for finalization and adoption of the RA II SOP 2012-2015.

#### REFERENCE:

1. [Abridged Final Report of the Sixteenth Congress \(Geneva, May-June 2011\)](#);
2. [Abridged Final Report with Resolutions of the Fourteenth Session of Regional Association II \(Asia\)](#);
3. [WMO Strategic Plan 2012-2015 \(WMO-No. 1069\)](#);
4. [WMO Operating Plan 2012-2015 \(October 2011 version\)](#);
5. [Strategic Plan for the Enhancement of National Meteorological and Hydrological Services in RA II 2009-2011](#);
6. [Final Report of the fourth session of the RA II Management Group \(Doha, 29 February – 2 March 2012\)](#)
7. [Final Report of the fifth session of the RA II Management Group \(Geneva, 29 and 30 June 2012\)](#)

#### CONTENT OF DOCUMENT:

##### Appendix for inclusion in the Final Report:

Appendix A - Draft text for inclusion in the General Summary of the Report of RA II MG-6

##### Appendix for Information:

Appendix B - Background Information for discussion

**DRAFT TEXT FOR INCLUSION IN THE GENERAL SUMMARY OF THE RA II MG-6**

**3 Development of the RA II Strategic Operating Plan 2012-2015 (Agenda item 3)**

**Development of RA II Operating Plan (OP) for 2012-2015**

3.1 The MG-6 recalled that the MG-5 considered that the following would be the highest priority areas for Region II for 2012-2015 for consideration and agreement at the XV-RA II session:

- (a) Further improvement of the GTS and implementation of the WIS/WIGOS;
- (b) Sustainable capacity development including human resources development;
- (c) Better climate services through the enhancement and operation of the RA II RCC network and RCOFs;
- (d) Establishment of a region-wide multi-hazard early warning system;
- (e) Upgrading of service delivery capability, in particular for aeronautical and marine meteorological services;
- (f) Implementation of WMO Flood Forecasting Initiative, water resources assessment and regional exchange of hydrological data and information; and
- (g) Reduction of risks and impacts of region specific hazards caused by sand and dust storms, thunderstorms and associated extreme weather events.

3.2 The Group also recalled that the MG-5 reviewed the draft RA II Operating Plan, proposed by the Task Team, in light of the following points:

- (a) Appropriateness of the number of deliverables (currently 122); and possible merging to avoid duplication and redundancy;
- (b) Priority areas of RA II (as given in paragraph 3.1 above);
- (c) Concreteness and feasibility of the proposed activities;
- (d) Appropriateness of the target setting; and
- (e) Appropriateness of implementation/work schedule.

and considered that the currently proposed 122 deliverables and associated activities are comprehensive and specific and are in accordance with the above-mentioned high-priority areas of RA II. In recognizing the need for further refinement, the Group endorsed the proposed draft RA II Operating Plan. The president requested the members of the Management Group to further review the draft RA II OP, in particular concerning the deliverables related to observations and those proposed under Expected Results 6-8.

3.3 The MG-6 was pleased to note that, with inputs from the Management Group and further refinement by the Task Team, the draft RA II Operating Plan 2012-2015 was distributed to RA II Members in October 2012 for their review and comments.

3.4 The Group reviewed the comments and suggestions received from Members *[as given in Annex III to Appendix B]* on the draft RA II OP 2012-2015. The MG-6 considered that .....

3.5 Concerning the RA II priority areas, taking into account the suggestions by Members, the MG-6 reformulated the RA II priorities as follows for submission to the RA II-15 session:

- (a) .....
- (b) .....
- (c) .....
- (d) .....
- (e) .....
- (f) .....; and
- (g) .....

3.6 The Group reviewed the final draft RA II Operating Plan *[given in Annex I to Appendix B]* and agreed that the president of RA II approve the RA II Operating Plan 2012-2015.

**Development of RA II Strategic Operating Plan (SOP) for 2012-2015**

3.7 The MG-6 recalled that MG-5 considered that the RA II Strategic Operating Plan should be composed of: (a) introduction (to describe the purpose and how to use), priority areas of RA II, monitoring and evaluation mechanism (strategy part); and (b) Operating Plan (table part).

3.8 It noted with pleasure that the Task Team in consultation with the Secretariat prepared a draft strategy part of the SOP, *[as given in Annex II to Appendix B]*. In reviewing the draft strategy part, the MG-6 expressed the view that .....

3.9 The MG-6 further agreed that, after further refinement of RA II OP 2012-2015 (table part), if necessary, and finalization of strategy part, by the Task Team, the RA II SOP 2012-2015 be submitted to the RA II-15 session for consideration and adoption.

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**BACKGROUND INFORMATION**

**WMO Strategic Plan 2012-2015**

1. Sixteenth World Meteorological Congress (Cg-XVI: Geneva, May/June 2011) approved the WMO Strategic Plan 2012-2015 ([WMO-No. 1069](#)), that reflects its decisions and directions that will guide decision-making by the Organization and its constituent bodies during the period 2012-2015 to ensure focused and coordinated approaches across the Organization. Starting with the three Global Societal Needs (GSNs), the Strategic Plan defines five Organization-wide Strategic Thrusts (STs) and eight Expected Results (ERs) as given below.

Table 1: Schematic representation of the structure of WMO Strategic Plan 2012-2015

		5 Strategic Thrusts	8 Expected Results	
<b>WMO Strategic Plan 2012-2015</b>	<b>3 Global Societal Needs</b>	<b>Improving Service Quality and Service Delivery</b>	1. Enhanced capabilities of Members to deliver and improve access to high-quality weather, climate and water and related environmental predictions, information and services in response to users' needs and to enable their use in decision-making by all relevant societal sectors	
			2. Enhanced capabilities of Members to reduce risks and potential impacts of hazards caused by weather, climate and water and related environmental elements	
		<b>Advancing Scientific Research and Application as well as Development and Implementation of Technology</b>	3. Enhanced capabilities of NMHSs to produce better weather, climate, and water and related environmental information, predictions and warnings to support in particular climate impact and adaptation strategies	
			4. Enhanced capabilities of Members to access, develop, implement and use integrated and interoperable Earth-and space-based systems for weather, climate and hydrological observations, as well as related environmental observations, based on world standards set by WMO	
			5. Enhanced capabilities of Members to contribute to and draw benefits from the global research capacity for weather, climate, water and environment science and technology development	
		<b>Strengthening Capacity-building</b>	6. Enhanced capabilities of NMHSs, in particular in developing and least developed countries, to fulfill their mandates	
		<b>Building and Enhancing Partnerships and Cooperation</b>	7. New and strengthened partnerships and cooperation activities to improve NMHSs' performance in delivering services and to increase the value of the contributions of WMO within the United Nations system, relevant international conventions and national strategies	
		<b>Strengthening Good Governance</b>	8. An effective and efficient Organization	
		1. Improved protection of life and property (related to the impacts of hazardous weather, climate, water and other environmental events and increased safety of transport on land, at sea, and in the air)		
		2. Poverty alleviation, sustained livelihoods and economic growth (in connection with the Millennium Development Goals) including improved health and social well-being of citizens (related to weather, climate, water and environmental events and influence)		
3. Sustainable use of natural resources and improved environmental quality				

2. Within the five Strategic Thrusts and eight Expected Results, WMO as a whole has identified the following five priority areas that have significant contribution to the achievement of the expected results:

- Global Framework for Climate Services (GFCS);
- Aviation meteorological services;
- Capacity Building for the developing and least developed countries;
- Implementation of the WMO Integrated Global Observing System (WIGOS) and WMO Information System (WIS); and
- Disaster Risk Reduction (DRR).

3. Cg-XVI noted that the draft WMO-wide Operating Plan (2012–2015) provided details on *key outcomes, deliverables and activities*, which have been used to guide resource estimates and allocations as presented in the Secretary-General's Budget Proposal for the sixteenth financial period. Congress requested the Secretary-General to finalize the Plan taking into account all the decisions of the Sixteenth Congress and requested the Executive Council to further improve the Operating Plan consistent with the guidance provided by Congress regarding the future strategic and operational planning.

4. The WMO-wide Operating Plan (2012-2015) will be composed of the following four parts: (Part 1) Introduction; (Part 2) WMO Programme Activities planned and funded for Implementation in 2012-2015 (formerly considered as the Secretariat Operating Plan 2012-2015); (Part 3) the Operating Plans of eight Technical Commissions; and (Part 4) the Operating Plans of six Regional Associations. Specific elements of the Operating Plan (OP) are:

- *Expected Results* and the associated *Key Outcomes and Key Performance Indicators* to measure the progress in the achievement of Expected Results;
- The programme *Activities* planned for implementation and the associated *Deliverables* to achieve Expected Results;
- *Baselines and Performance Targets* for each Key Performance Indicator to measure the progress towards achieving the Expected Results; and
- Mechanisms for monitoring and evaluating the implementation of the Strategic Plan.

A template has been prepared by the WMO Secretariat to facilitate the work of Technical Commissions and Regional Associations to develop and finalize their Operating Plans.

## **Development of RA II Strategic Operating Plan for 2012-2015**

### *Strategic Plan for the Enhancement of NMHSs in RA II (Asia) (2009-2011)*

5. A draft Strategic Plan for the Enhancement of NMHSs in RA II (2009–2011) was developed with expert services by Hong Kong, China, and in consultation with Members and with guidance by the Advisory Working Group. The fourteenth session of RA II (Tashkent, December 2008) commended the unique approach of RA II that the Strategic Plan has been developed on the basis of the survey results for the period 2005-2008, by analyzing the likely trends, developments, evolving needs and deficiencies of the Region, to identify a set of deliverables. These deliverables are action-oriented and categorized under Regional Expected Results in accordance with WMO's set of Expected Results. The Association adopted [the RA II Strategic Plan \(2009-2011\)](#) and authorized the president to make the necessary adjustments to the Regional Strategic Plan in consultation with the RA II Management Group and working groups in the light of the discussions of the Association at this session, and develop a related Action Plan in consultation with Members.

6. XIV-RA II identified the highest priority areas for Region II, as follows:

- (a) Further improvement of the GTS and implementation of WIS/WIGOS;
- (b) Sustainable capacity building including human resources development;
- (c) Better climate services through the enhancement and operation of the RA II RCC network;
- (d) Establishment of a region-wide multi-hazard early warning system;

- (e) Upgrading of service delivery capability, in particular for aeronautical and marine meteorological services; and
- (f) Implementation of WMO Flood Forecasting Initiative, water resources assessment and regional exchange of hydrological data and information.

#### RA II Strategic Operating Plan for 2012-2015

7. The first session of the RA II Management Group (MG-1: June 2009) agreed to prioritize the 201 deliverables when considering the Strategic Action Plan by selecting 100-120 realistic deliverables for implementation and monitoring. The MG-1 further agreed that a task team on Strategic Plan be established to work on: identification of priorities among 201 deliverables; further development of the Action Plan by proposing concrete action for each corresponding priority deliverable; developing new survey questionnaires to monitor the implementation of the Strategic Plan and Action Plan; and finalization of the complete RA II Strategic Plan.

8. The Task Team composed of Mr X. Xu (China); Dr B.Y. Lee (Hong Kong, China); Mr L.S. Lee (Hong Kong, China); Ms M. Jabbari (Islamic Republic of Iran); Mr N. Hasegawa (Japan); Dr W.-T. Yun (Republic of Korea); and Ms M. Nazarova (Uzbekistan) identified 110 priority deliverables under 32 Regional Expected Results, which was submitted to the second session of the Management Group (MG-2: Geneva, June 2010).

9. The MG-2, in referring to the RA V approach to develop its Strategic Operating Plan (SOP) for 2012-2015, by mapping the deliverables under Regional Expected Results in the RA V Strategic Plan 2010-2011 into the new five Strategic Thrusts and eight Expected Results of the draft WMO Strategic Plan 2012-2015, agreed to take a similar approach for developing the RA II Strategic Action Plan for 2012-2015. It also agreed that a proposal for the methodology and process to move towards RA II SOP 2012-2015 should be prepared and discussed during the Fifth Technical Conference.

10. The Fifth Technical Conference (Daegu, Republic of Korea, 29 November - 3 December 2010) noted that the Task Team identified 100 priority deliverables, which were mapped into the eight Expected Results of the draft WMO Strategic Plan 2012-2015, for the RA II Action Plan. The Conference recognized that the draft Key Performance Indicators/Targets (KPIs/KPTs) were updated, and additional Activities for deliverables were proposed, such as training courses, workshops, mission visits and exchange of know-how among Members.

11. The Technical Conference agreed that, with reference to the WMO framework for results-based strategic planning for 2012-2015, Regional Key Outcomes (RKO) should be formulated based on the RA II Expected Results to complete the Action Plan; and considered that the Action Plan should be called "Strategic Operating Plan (SOP)" for the period 2012-2015, in alignment with the period of the next WMO Strategic Plan (2012-2015).

#### Adjustment to the RA II SOP to align with Cg-XVI decisions

12. The third session of the Management Group (MG-3: May 2011) extended its appreciation to the Task Team on Strategic Planning headed by Dr B.Y. Lee and Mr L.S. Lee for their significant work in the development of RA II Strategic Operating Plan (SOP), and expressed the views that the proposed activities of RA II SOP should be action-oriented, by which means the implementation progress could be monitored and problems identified, and also that there is a need for support to the Members who have difficulties in achieving set goals. The Task Team and other RA II WG experts were invited to identify areas of region-specific problems and requirements (e.g., melting glacier in Nepal), which should be reflected in the WMO Strategic and Operating Plans.

13. At the MG-3 session, the president requested the MG, WGs and the Task Team members as well as the Secretariat to further work on the formulation of Regional Key Outcomes (RKO)

and finalize the RA II SOP 2012-2015 before the fourth session of the Management Group (MG-4: Doha, Qatar, 29 February - 2 March 2012).

14. In this respect, a preliminary draft RA II Operating Plan (WIGOS/WIS part – Expected Result 4), by using the template, was proposed by the Secretariat to the first meeting of the RA II WG-IOS/WIS (Seoul, Republic of Korea, 30 November - 7 December 2011) for review and further inputs. The Chairperson and coordinators of WG-IOS/WIS and its subgroups were requested to contribute to the further development and finalization of the RA II Operating Plan.

15. The MG-4 (Doha, Qatar, 29 February - 2 March 2012) reviewed the draft RA II Operating Plan (WIGOS/WIS part - Expected Result 4). Recognizing the need for identifying RKO's, concrete activities, responsibility and timeline for the Operating Plan, the Management Group noted that the already identified RA II's deliverables were incorporated into the table under the proposed RKO's. Some new RKO's (e.g., RKO 4.24 - Migration to Table Driven Code Forms (TDCF)), Deliverables and Activities were proposed in line with Cg-XVI decisions and taking into account the work plans of sub-groups on IOS and WIS agreed at the first session of WG-IOS/WIS.

Further development and finalization of RA II Operating Plan (OP) 2012-2015

16. The MG-4 welcomed the progress on the development of the Expected Result 4 part of the RA II OP (2012-2015) and agreed on the approach taken for identifying RKO's, concrete activities, responsibility and timeline for the RA II Operating Plan. The Group further agreed that the same approach should be extended to the development of other Expected Results 1-3 and 5-8 to complete the RA II Operating Plan. It suggested that the further streamlining by prioritizing the deliverables be considered to focus on realistic and feasible deliverables to be implemented in 2012-2015.

17. To undertake the above task, the MG-4 decided the new composition of the Task Team on Strategic Planning as follows: Mr L.S. Lee (Hong Kong, China: Chair); Mr X. Xu (China); Ms M. Jabbari (Islamic Republic of Iran); Mr N. Hasegawa (Japan); Dr M.-H. Ahn (Republic of Korea); and Ms M. Nazarova (Uzbekistan), and requested the Task Team to work on the further development of RA II (Strategic) Operating Plan. The MG-4 agreed that the Chairpersons of Working Groups be involved in the task team's work and requested the Secretariat to facilitate and assist the work of the Task Team.

18. The MG-5 (Geneva, 29 and 30 June 2012) considered the current and future priority areas of RA II and reaffirmed that "the further improvement of the GTS and implementation of the WIS/WIGOS" is still the top priority in the Region, and considered that the following would be the highest priority areas for Region II for 2012-2015 for consideration and agreement at the XV-RA II session:

- (a) Further improvement of the GTS and implementation of the WIS/WIGOS;
- (b) Sustainable capacity development including human resources development;
- (c) Better climate services, including those for drought, through the enhancement and operation of the RA II RCC network and RCOFs;
- (d) Establishment of a region-wide multi-hazard early warning system;
- (e) Upgrading of service delivery capability, in particular for aeronautical and marine meteorological services;
- (f) Implementation of WMO Flood Forecasting Initiative, water resources assessment and regional exchange of hydrological data and information; and
- (g) Reduction of risks and impacts of region-specific hazards caused by sand and dust storms, thunderstorms and associated extreme weather events.

19. The MG-5 was pleased to note that the Task Team, with assistance of the Secretariat (RAP Office), has accordingly developed a draft RA II Operating Plan containing the required associated activities, relevant WMO Programmes and Technical Commissions, responsibility, implementation



schedule, and baselines and targets for proposed deliverables mapped under Expected Results 1-8. The Chairpersons of RA II Working Groups and Coordinators of Sub-Groups were consulted in this work by contributing their comments and proposals for concrete activities based on their Groups' work plans.

20. The MG-5 reviewed the draft RA II Operating Plan, proposed by the Task Team, in light of the following points:

- (a) Appropriateness of the number of deliverables (currently 122); and possible merging to avoid duplication and redundancy;
- (b) Priority areas of RA II (as given in paragraph 3.2 above);
- (c) Concreteness and feasibility of the proposed activities;
- (d) Appropriateness of the target setting; and
- (e) Appropriateness of implementation/work schedule.

21. The MG-5 commended the substantial work of the Task Team for the development of the draft RA II Operating Plan. The MG-5 considered that the currently proposed 122 deliverables and associated activities are comprehensive and specific and are in accordance with the high-priority areas of RA II. In recognizing the need for further refinement, the Group endorsed the proposed draft RA II Operating Plan. The president requested the members of the Management Group to further review the draft RA II OP, in particular concerning the deliverables related to observations and those proposed under Expected Results 6-8.

22. With inputs from the Management Group and further refinement by the Task team, the draft RA II Operating Plan 2012-2015 has been distributed to RA II Members in October 2012 for their review and comments. The MG-6, planned for 28 October 2012 in Geneva, is expected to review the final draft RA II Operating Plan, as given in **Annex I**, and agree to the approval by the president of RA II.

#### Development of RA II Strategic Operating Plan

23. The MG-5 agreed that the RA II Strategic Operating Plan be simple, which should be composed of: (a) introduction (to describe the purpose and how to use), priority areas of RA II, monitoring and evaluation mechanism (strategy part); and (b) Operating Plan (table part). It further agreed on the key milestones for completion of the RA II Strategic Operating Plan (SOP), as given below:

- Development of draft RA II SOP 2012-2015 by the Task Team by end-October 2012 for review by MG-6;
- Further refinement, if necessary, of RA II OP 2012-2015; and finalization and adoption of RA II SOP 2012-2015 (at XV-RA II, December 2012).

24. The draft strategy part of the RA II Strategic Operating Plan was prepared by the Task Team, which is given as **Annex II**.

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*Note: The current members of the Task Team on Strategic Planning are: Mr L.S. Lee (Hong Kong, China: Chair); Mr X. Xu (China); Ms M. Jabbari (Islamic Republic of Iran); Mr T. Kimura (Japan); Mr S.W. Kim (Republic of Korea); and Ms M. Nazarova (Uzbekistan).*



**ANNEX I****DRAFT RA II Operating Plan 2012-2015**

(see Draft RA II OP.ver2012.10.24.xls)

**Number of Deliverables proposed for  
RA II Strategic Plan 2009-2011 and Operating Plan 2012-2015****RA II Strategic Plan 2009-2011**

Version XIV-RA II		08-Dec-08
ER	No. of Regional ER	No. of Deliverables
1	3	21
2	3	19
3	3	34
4	4	30
5	3	6
6	3	21
7	6	25
8	3	12
9	4	25
10	4	4
11	4	4
	<b>40</b>	<b>201</b>

**RA II Strategic Plan 2009-2011**

Version May 2010		15-May-10
ER	No. of Regional ER	No. of Deliverables
1	3	11
2	3	11
3	3	13
4	4	20
5	3	5
6	3	8
7	6	17
8	3	3
9	4	22
10	0	0
11	0	0
	<b>32</b>	<b>110</b>

**RA II Strategic Operating Plan 2012-2015**

(26-May-11)

ER	No. of WMO KO	No. of Deliverables
1	2	27
2	3	18
3	4	9
4	3	24
5	5	1
6	4	18
7	2	3
8	3	0
	<b>26</b>	<b>100</b>

**RA II New Operating Plan 2012-2015**

(20-Jun-12)

ER	No. of Regional KO	No. of Deliverables
1	2	19
2	3	20
3	4	14
4	3	34
5	5	7
6	4	18
7	2	4
8	3	6
	<b>26</b>	<b>122</b>

**ANNEX II**

**Draft Strategy Part of RA II Strategic Operating Plan 2012-2015  
(First draft prepared by the Task Team)**

**1. Introduction**

This RA II Strategic Operating Plan aims at providing a clear path forward for the Region to address critical societal needs. It takes into account the framework of the WMO Strategic Plan 2012-2015 which was approved in the Sixteenth World Meteorological Congress (Cg-XVI: Geneva, May/June 2011), with eight Expected Results grouped within five Strategic Thrusts under three Global Societal Needs. A schematic representation of the structure of WMO Strategic Plan 2012-2015 is given below.

<b>Three Global Societal Needs</b>	<b>Five Strategic Thrusts</b>	<b>Eight Expected Results</b>
Improved protection of life and property (related to the impacts of hazardous weather, climate, water and other environmental events, and increased safety of transport on land, at sea, and in the air)	<b>Improving service quality and service delivery</b>	1. Enhanced capabilities of Members to deliver and improve access to high-quality weather, climate, water and related environmental predictions, information, warnings and services in response to users' needs, and to enable their use in decision-making by relevant societal sectors. 2. Enhanced capabilities of Members to reduce risks and potential impacts of hazards caused by weather, climate, water and related environmental elements.
Poverty alleviation, sustained livelihoods and economic growth (in connection with the Millennium Development Goals), including improved health and social well-being of citizens (related to weather, climate, water and environmental events and influence)	<b>Advancing scientific research and application, as well as development and implementation of technology</b>	3. Enhanced capabilities of Members to produce better weather, climate, water and related environmental information, predictions and warnings to support in particular disaster risk reduction and climate impact and adaptation strategies. 4. Enhanced capabilities of Members to access, develop, implement and use integrated and interoperable Earth- and space-based observation systems for weather, climate and hydrological observations, as well as related environmental and space weather observations, based on world standards set by WMO. 5. Enhanced capabilities of Members to contribute to and draw benefits from the global research capacity for weather, climate, water and the related environmental science and technology development.
Sustainable use of natural resources and improved environmental quality	<b>Strengthening capacity-building</b>	6. Enhanced capabilities of NMHSs, in particular in developing and least developed countries, to fulfil their mandates.
	<b>Building and enhancing partnerships and cooperation</b>	7. New and strengthened partnerships and cooperation activities to improve NMHSs' performance in delivering services and to increase the value of the contributions of WMO within the United Nations system, relevant international conventions and national strategic issues.
	<b>Strengthening good governance</b>	8. An effective and efficient Organization.

## **2. Priority areas of RA II**

Within the five Strategic Thrusts and eight Expected Results, WMO as a whole has identified the following five priority areas that have significant contribution to the achievement of the expected results:

- Global Framework for Climate Services (GFCS);
- Aviation meteorological services;
- Capacity Building for the developing and least developed countries;
- Implementation of the WMO Integrated Global Observing System (WIGOS) and WMO Information System (WIS); and
- Disaster Risk Reduction (DRR).

Considering the circumstances in the region, RA II identified the following highest priority areas (to be amended by the MG-6, if necessary):

- (a) Further improvement of the GTS and implementation of the WIS/WIGOS;
- (b) Sustainable capacity development including human resources development;
- (c) Better climate services through the enhancement and operation of the RA II RCC network and RCOFs;
- (d) Establishment of a region-wide multi-hazard early warning system;
- (e) Upgrading of service delivery capability, in particular for aeronautical and marine meteorological services;
- (f) Implementation of WMO Flood Forecasting Initiative, water resources assessment and regional exchange of hydrological data and information; and
- (g) Reduction of risks and impacts of region specific hazards caused by sand and dust storms, thunderstorms and associated extreme weather events.

## **3. RA II Operating Plan**

In accordance with the highest priority areas of RA II, a set of deliverables and associated activities were developed in the following RA II Operating Plan. They are listed under the relevant WMO Strategic Plan Expected Results, Regional Key Outcomes (RKOs) and corresponding Key Performance Indicators (KPIs). Relevant Programmes and Technical Commissions, responsibility, and implementation schedule are also presented. Baselines and targets are listed for each deliverable to measure the progress towards achieving the Expected Results.

For a number of the activities with “Members” listed in the “Responsibility” column, relevant Members should reaffirm the goals and consider means to implement the deliverables, and in particular each NMHS should conduct action items to improve their own services and/or help other NMHSs in the Region.

## **4. Monitoring and evaluation mechanism**

Monitoring and evaluation are tools to measure the performance of implementation of the Strategic Operating Plan. They also contribute to the identification of good practices and lessons learned with respect to implementation, as well as policy, strategy and programmatic design that will inform the next phase of strategic planning. While monitoring is an ongoing function, evaluations are conducted routinely and results are reported to the future RA II sessions.

Surveys of the basic capability of NMHSs in RA II were carried out in 2008 and 2011. The result of the latter one was used to form the baseline of achievement of the deliverables in the RA II Operating Plan 2012-2015, with a view to monitoring and evaluating the progress of the implementation of the deliverables. Information will be regularly gathered from Members through surveys to analyze the likely trends, developments, evolving needs and deficiencies of the Region.

### ANNEX III

#### **Comments from RA II Members on draft RA II SOP 2012-2015** (received as of 22 October 2012)

1. It is very comprehensive document. I also want to express my gratitude and appreciation to all members of Task Team for development of this Plan. (Mr Arif Mohammad: Chair of WG-IOS/WIS and DG of the Pakistan Meteorological Department)
2. We have no comments. (Mr K. Tsering: PR of Bhutan)
3. The draft RA II Operating Plan is reviewed and it is a comprehensive document to be finalized. (Ms M. Jabbari, Task Team member)
4. I am happy to see such substantial efforts of the region. I would like to offer a few overarching points for consideration by the RAI-MG:
  - (a) There is a need to further streamline the number of KPIs and associated deliverables so that the region could focus on the key indicators and deliverables, making it easier for Members to understand the priorities and for the region to monitor their status and work progress. Those KPIs without any concrete or tangible KPTs and deliverables should be removed as it is quite meaningless to keep them if we are not able to measure success/failure. A total of 120+ deliverables/PIs is simply too much to focus resources and efforts.
  - (b) While the Background Information clearly articulates the five priority areas of WMO in the outset, the priority areas of RA II subsequently determined by the MG do not fully align with the WMO priorities. For example, aeronautical meteorological services appear to be downgraded in the RA II priorities under "Upgrading of service delivery capability, in particular for aeronautical and marine meteorological services". Similar situations can be found for GFCS, with development of climate services apparently limited to just enhancing the RCC network. Understandably, the activities, KPIs, KPTs, key deliverables related to aeronautical meteorological services do NOT align with those determined by the CAeM-MG back in October 2011 (e.g. WMO-258 is still being referenced despite the fact that competency standards for aeronautical meteorological personnel has been adopted by Congress and included in WMO-49). This clearly shows that there is indeed a pressing need for improving the cooperation between the TCs and RAs and hopefully the joint PTC/PRA meeting to be held on the coming Sunday will be able to address some of these issues.
  - (c) I understand from the last PTC meeting and subsequent joint PTC/PRA meeting that the Country Profile Database has been developed but there is no reference in the RA II Operating Plan to make any use of it for collecting inputs from Members (in place of the traditional surveys which have not been too successful in getting responses from Members), and for monitoring of Members' implementation status in the region. A case in point is the request for Members' inputs to the CAeM Benchmarking Survey through the RA Presidents but to date we have not yet received any inputs from RA II. Clearly, there is also a pressing need to enhance the collection, monitoring and sharing of implementation status of Members in the region.

(Mr C.M. Shun: PR of Hong Kong, China)

5. With regard to the RA II priority areas (see 4 (b) above), Mr Shun (PR of Hong Kong, China) suggested the following possible changes to the currently proposed RA II priority areas for consideration by the MG-6:

- (a) ~~Further improvement of the GTS and~~ Implementation of the WIS/WIGOS and necessary improvement of the GTS before transition to WIS/WIGOS;

*(Explanatory note: as WIS/WIGOS implementation should be the priority and it is understandable that the current GTS operations will still need necessary adjustments/fine tuning for improvement until its full replacement by WIS)*

- (b) Sustainable capacity building including human resources development;

- (c) Implementation of the GFCS, including but not limited to ~~Better climate services through the~~ enhancement and operation of the RA II RCC network;

*(Explanatory note: as implementation of GFCS does not only cover RCC network)*

- (d) Establishment of a region-wide multi-hazard early warning system for Disaster Risk Reduction;

- (e) Implementation of aeronautical meteorological services enhancements in coordination with CAeM and upgrading of service delivery capability in other application areas including, in particular for aeronautical and marine meteorological services; and

- (f) Implementation of WMO Flood Forecasting Initiative, water resources assessment and regional exchange of hydrological data and information.
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