

REGIONAL ASSOCIATION V (SOUTH-WEST PACIFIC)

ELEVENTH SESSION OF THE RA V MANAGEMENT GROUP

JAKARTA, INDONESIA, 7 MAY 2014

FINAL REPORT



WORLD METEOROLOGICAL ORGANIZATION

ELEVENTH SESSION OF THE RA V MANAGEMENT GROUP
(Jakarta, Indonesia, 7 May 2014)

1. ORGANIZATION OF THE SESSION

1.1. The eleventh session of the RA V Management Group (MG-11) was held at the Main Building of the Agency for Meteorology, Climatology and Geophysics of the Republic of Indonesia (BMKG) in Jakarta on Wednesday, 7 May 2014.

1.2. Dr Andi E. Sakya, the newly elected president of RA V, opened the session at 17:00 hours on Wednesday, 7 May 2014. The president welcomed all the participants in his opening remarks, and adopted the provisional agenda as given in **Annex I**.

2. MATTERS ARISING FROM THE TENTH SESSION

2.1. The Secretariat provided a summary of the outcomes of the tenth session of the RA V Management Group (MG-10) (Jakarta, Indonesia, 14 to 15 May 2014), which focused on the final preparation and approval of the provisional agenda and programmes for sixth Regional Conference on Management of Meteorological and Hydrological Services in Regional Association V (South-West Pacific) (RECO-6) and the sixteenth session of Regional Association V (South-West Pacific) (RA V-16) which were both held in Jakarta, Indonesia from 30 April to 7 May 2014.

2.2. Other items discussed during the MG-10 included the RA V WMO Information System Implementation Plan; RA V WMO Integrated Observing System Implementation Plan; the results of the RA V survey; the third International Conference on the Small Island Developing States which will be held in Apia, Samoa from 2 to 4 September 2014; regional activities; potential relocation of the Regional Office for Asia and the South-West Pacific (RAP Office); and the number of RA V seats in the Executive Council.

3. REVIEW OF THE KEY OUTCOMES FROM THE SIXTH REGIONAL CONFERENCE FOR REGIONAL ASSOCIATION V AND THE SIXTEENTH SESSION OF REGIONAL ASSOCIATION V

3.1. Regional Challenges and Priorities

3.1.1. The Secretariat informed the Group that the regional challenges and priorities were identified and agreed through a process, starting with the results from the RA V questionnaire followed by a snap-poll conducted during the RA V-16 to identify the top four priorities for the Region for the period 2016-2019 as given in RA V-16/Doc. 5.1. These regional priorities are: (a) maintenance and improvement of observations and telecommunications networks at the regional and national level through completion of the implementation of the WIS and WIGOS; (b) delivery of improved climate services through the establishment of the optimum network of Regional Climate Centers (RCCs) to sustainably implement the Global Framework for Climate Services (GFCS); (c) implement effective education and training programmes that build the capability of National Meteorological and Hydrological Services (NMHSs) in resource management, advocacy and outreach, and Numerical Weather Prediction (NWP) utilization; and (d) achievement by all Members of the standards required for quality management and staff competencies, with a focus on aviation and marine meteorology. These regional priorities will be reported to the sixty-sixth session of the Executive Council, as the RA V contributions to the WMO Strategic Plan 2016-2019.

3.1.2. The Group requested the current Leads and Chairs of the Working Groups to address and delegate the regional priorities among the Working Groups, for example:

- (i) quality management and staff competencies, with a focus on aviation and marine meteorology could be addressed by the WG on Weather Services (WG-WXS);
- (ii) delivery of improved climate services through the establishment of the optimum network of the RCCs to sustainably implement the GFCS could be addressed by the WG on Climate Services (WG-CLS);
- (iii) maintenance and improvement of observations and telecommunications networks at the regional and national level through completion of the implementation of the WIS and WIGOS could be addressed by the WG on Infrastructure (WG-INFR);
- (iv) capacity development including effective education and training on human and financial resources management is cross-cutting issue among the WGs and the TCC, and appropriate for the MG to provide oversight of capacity development among the WGs and the TCC, and should be addressed appropriately in the RA V Operating Plan 2016-2019.

3.1.3. The Group noted that it is important to nominate experts in the areas of these regional priorities to the relevant Working Groups. However, if there are no experts available for some areas, the Management Group would decide on how to deal with these areas.

3.1.4. The Group noted that although development of legal frameworks or equivalents is not included in the regional priorities, it is included in the challenges the members are facing as given in **Annex II** (RA V-16/Doc. 7). The Group also noted that development of legal frameworks or equivalents could be part of quality management, as some Members would not be able to develop and implement quality management without legal frameworks or equivalents.

3.2. Working Mechanism

3.2.1. Noting that the RA V-16 approved the working structure and mechanism of the RA V as given in **Annex III** (RA V-16/Doc. 5.3.1), the Group encouraged Members to nominate Leads/vice Leads and experts to the Working Groups. The Group also noted that Ms Sue O'Rourke, Lead of the Working Group on Weather Services offered to circulate a template for reporting the WG activities to the Management Group.

3.2.2. The Group noted that the Terms of Reference for the Management Group would need further review during the following MG meetings or through online focusing on the inclusion of capacity development and research.

4. FOLLOW UP ON THE OUTCOMES AND RECOMMENDATIONS FROM THE SIXTEENTH SESSION OF REGIONAL ASSOCIATION V

4.1. Membership of Subsidiary Bodies

4.1.1. With respect to the memberships of the new and re-established Task Teams of the Working Groups, the Management Group requested the Secretariat to proceed with the nomination of Leads, vice-Leads, and experts to the Working Groups by organizing the nominations of Leads and vice Leads first, and to be followed by the nomination of experts for the Task Teams, in consultation with the current Leads of the Working Groups for their views, contributions and inputs to the contents of correspondences and information to be sent to Members.

4.1.2. The Group also noted the Tropical Cyclone Committee for the South Pacific and South-East Indian Oceans would meet in Port Vila, Vanuatu, from 26 to 30 May 2014; and it requested the Committee to review its Terms of Reference; to designate its Chair and Vice-Chair; to develop Terms of References and designate Task Team Leads for its Task Team on Coastal Inundation

and Storm Surges and Task Team on Severe Weather Forecast and Disaster Risk Reduction including Data Processing and Forecasting Systems; and to report to the MG-12 on the outcomes of and recommendation from its meeting.

4.2. Development of RA V Operating Plan 2016-2019

4.2.1. The Group agreed that Mr Jon Gill (Australia) would take the lead on the development of the RA V Operating Plan 2016-2019 and the preparation of the RA V contributions to the EC-66 with respect to the WMO Strategic Operating Plan 2016-2019.

4.2.2. The Group noted that the RA V Strategic Operating Plan 2016-2019 would be valid from 1 January 2016 to 31 December 2019.

4.3. Development of Work Plans for the Working Groups and the Tropical Cyclone Committee

4.3.1. The Group requested the current Leads of Working Groups to prepare reports on the status of their works and handover the responsibilities to the new Leads of the Working Groups, and decided to defer discussion on the development of work plans for the Working Groups and the TCC to the 12th session of the Management Group (MG-12).

5. OTHER BUSINESS

5.1. The Group noted that the MG-12 is planned to be held on 13:30 hours on 23 June 2014, in Geneva during the EC-66. The Group raised the concern that the time made available for the MG-12 is not sufficient and the MG-12 would need more time to discuss its business. One of the ways to address the limited time would be for the MG-12 agenda to focus on a few agenda items dealing with main subjects and priority matters.

5.2. The Group noted that some members of the Management Group especially the Leads on the Working Groups for Infrastructure and Weather Services would not be able to attend the MG-12 and it requested the Secretariat to organize a dial-in-teleconference for them to join the discussions during the MG-12.

6. CLOSURE OF THE SESSION

6.1. The eleventh session of the RA V Management Group closed at 19:15 hours on 7 May 2014. The list of participants is given in [Annex IV](#) to this report.

ELEVENTH SESSION OF THE RA V MANAGEMENT GROUP
(Jakarta, Indonesia, 7 May 2014)

AGENDA

1. Organization of the Session
 2. Matters arising from the Tenth Session
 3. Review of the key outcomes from the sixth Regional Conference for Regional Association V and the sixteenth session of Regional Association V
 4. Follow up on the outcomes and recommendations from the sixteenth session of Regional Association V
 - 4.1. Membership of Subsidiary Bodies
 - 4.2. Development of the RA V Operating Plan 2016-2019
 - 4.3. Development of Work Plans for Working Groups and the Tropical Cyclone Committee
 5. Other Business
 6. Closure of the Session
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World Meteorological Organization

RA V-16/Doc. 7

REGIONAL ASSOCIATION V (South-West
Pacific)

Submitted by:

Chair of plenary

Date:

07.V.2014

FIFTEENTH SESSION

Original Language:

English

Jakarta, Indonesia, 2 to 8 May 2014

Status:

APPROVED

EXPECTED RESULT 8

AGENDA ITEM 7: EMERGING ISSUES AND SPECIFIC CHALLENGES

SUMMARY

DECISIONS/ACTIONS REQUIRED:

To adopt the draft text for inclusion in the general summary

CONTENT OF DOCUMENT:

The Table of Contents is available only electronically as a Document Map*.

* In MS Word 2007 or 2003, go to "View" > "Document Map", or click on the "DocMap" button on the "WMO Tools" toolbar. In MS Word 2010, go to "View" > "Navigation Pane". In MS Word on a Mac, go to "View" > "Navigation Pane", select "Document Map" in the drop-down list on the left.

APPENDIX A: DRAFT TEXT FOR INCLUSION IN THE GENERAL SUMMARY

7 Emerging issues and specific challenges for RA V (agenda item 7)

7.1 The Association noted with appreciation the outcomes of the sixth session of the Regional Conference on Challenges and Opportunities for the South-West Pacific NMHSs (RECO-6) held in Jakarta, Indonesia from 30 April to 1 May 2014. The focus of RECO-6 was the identification of the main regional challenges and future priorities for the next intersessional period in order to support and guide the deliberations during RA V-16 on the Region's contribution to the WMO SOP 2016-2019, and to also provide recommendations to the Third International Conference on SIDS which is scheduled to be held in Apia, Samoa from 1 to 5 September 2014.

7.2 The Association was informed about the RA V survey on institutional arrangements, challenges and priorities conducted in January-February 2014 to identify challenges and future priorities in the Region. The Association reviewed the survey report which included the analyses of the responses from 19 Members on: institutional arrangements; management and organization; operations and services; challenges and priorities; and expected outcomes from the sixteenth session of RA V. The Association commended the Task Team on RA V Strategic and Operating Planning (TT-SOP) and the Secretariat for their efforts.

7.3 The Association recognized that the challenges and priorities for the NMHSs in RA V identified by the regional survey and further discussed by the RECO-6 highlighted the key elements to support further discussion and refinement. The challenges in the Region identified by the Survey and RECO-6 include the:

- Lack of qualified personnel and the need for ongoing competency assessments, particularly in the field of aeronautical meteorology;
- Need to improve institutional arrangements of Member NMHSs, including enabling legislation, support effective fiscal management, and securing of financial resources from Governments and other sources;
- Need to improve partnerships with key national, regional and global bodies, including funding agencies in order to enhance the service delivery and sustainability of the Member NMHSs;
- Need to improve access to, and usage of, NWP guidance material as underlying support to make service delivery better;
- Need to address inadequacies in regional observing and telecommunications systems for monitoring, forecasting, and dissemination of products for weather, water and climate;
- Need to address inadequacies of early warning services supporting DRR;
- Need to fully implement and sustain a quality management system; and
- Need to improve communication with users and stakeholders for better delivery of user-focused services (e.g. climate services to support the agriculture sector).

and the priorities include:

- **Implementation of WIGOS and WIS** in each Member country focusing on concrete and urgent needs related to the maintenance and improvement of the observing and communications systems, and the quality of observations, including radar and upper air observation systems;
- **Strengthen Regional climate services** including improvement of existing climate services and the start of implementation for GFCS at regional and national levels: specific activity to include implementation of Regional Climate Centre networks in the Pacific and in South East Asia;
- **Full implementation and maintenance of a Quality Management System (QMS)** in each Member of the Association and the consolidation and maintenance of competence standards consistent with QMS implementation;
- **Improve Service Delivery** of hydrological and meteorological services of Members aligned with technical standards and best practice especially with a major focus on strengthening of the SWFDDP and demonstration of the social and economic benefits of these services through tailor made information and effective communication; and
- **Enhance partnerships** to demonstrate the benefit of weather, water, and climate services to the community by increasing cooperation and partnership for outreach; this will be done through engagement with regional partners, national and local government and NGOs.

To make these improvements, which will result in improved service delivery at regional, nation, and local levels it will be necessary to:

- Improve the effectiveness and efficiency of the regional activities, building common position on issues like data policy, commercialization and public/private sector relationships;
- Enhance partnerships with existing development partners and create new partnerships that will lead to long term sustainability of the services; and
- Undertake capacity building to address issues relating to education and training needs, budget and staff resource deficiencies (including cost recovery), NWP utilization and insufficient qualified personnel.

7.4 The Association recognized that the financial and staffing constraints were one of the main challenges that limit the ability of many Members to participate in regional activities and working bodies, and Members look to support from other Members in the form of joint/twinning projects, capacity building, technical support on QMS and infrastructure support, and to the WMO Secretariat for coordination support for participation in regional events, strategic planning and sharing information on regional activities.

7.5 The Association was also informed about the recommendations for the third International Conference on SIDS regarding the contributions and involvement of WMO and RA V to the Conference and the regional needs and expected outcomes from the Conference for the benefit of the SIDS members in RA V. The recommendations are given in Annex to this paragraph.

7.6 The Association agreed with the above issues and challenges, concerns and proposals recommended by the RECO-6, and requested the Management Group to consider them in the formulation of the work programmes of the subsidiary bodies, and deliver the recommendations to the third International Conference on SIDS.

7.7 The Association extended its appreciation to Mr Jon Gill, the Chair of the RA V Task Team on Strategic and Operating Planning (TT-SOP) for the Survey analyses and report, and all who have contributed to the outcomes of the RECO-6 including facilitators, rapporteurs, speakers, and drafting committee members.

**RECO-6 RECOMMENDATIONS ON WMO AND NMHS
ENGAGEMENT IN THE PROCESS OF THE THIRD INTERNATIONAL CONFERENCE
ON SMALL ISLAND DEVELOPING STATES**

(Jakarta, Indonesia, 31 April to 1 May 2014)

In June 2012, world leaders at the United Nations Conference on Sustainable Development (Rio + 20) decided to convene the Third International Conference on Small Island Developing States (SIDS) in 2014. This decision came as a result of the acknowledgement and recognition that SIDS remains a special case for sustainable development in view of their unique and particular vulnerabilities. Furthermore, Rio + 20 outcome document recognized the importance of coordinated, balanced and integrated actions to address the sustainable development challenges facing SIDS. The Third International Conference on SIDS will be held from 1 to 4 September 2014, preceded by activities related to the conference from 28 to 30 August 2014 in Apia, Samoa. The theme of the 2014 Conference is “*SIDS Sustainable Development Through Genuine and Durable Partnership*”.

The Conference will serve as a forum to build on existing successful partnerships as well as to launch innovative and concrete new ones, to advance the sustainable development of SIDS. The Conference will include six multi-stakeholder partnership dialogues, held in parallel with the plenary meetings.

The multi-stakeholder partnership dialogues will be clustered by the following areas:

- (a) Climate Change & Disaster Risk Management;
- (b) Oceans, Seas and Biodiversity;
- (c) Water and Sanitation, Food Security and Waste Management;
- (d) Sustainable Economic Development;
- (e) Sustainable Energy; and
- (f) Social Development in SIDS, Health and NCDs, Youth and Women

WMO has registered GFCS-SIDS under the Climate Change & Disaster Risk Management partnership. SPREP has also registered the Pacific Meteorological Council (PMC) for one of the side events.

WMO engagement with the Third International Conference on SIDS is to raise political awareness among SIDS leaders and development partners on the contribution and benefits to the sustainable of SIDS of robust weather and climate services and early warning system.

Implementing the GFCS in SIDS and SIDS Regions through a long-term cooperative arrangement through which the SIDS and various international, regional and national institutions together with stakeholders will work together to achieve a new paradigm in provision of weather and climate services for sustainable development.

WMO is engaging the NMHSs in preparations for the Conference through a series of target and opportunistic interventions. RECO-6 has provided an opportunity for WMO to have further discussion with NMHSs on engagement in the Conference's process, and the outcomes of the discussion are presented below:

How would WMO contribute to the 3rd International Conference on Small Island Developing states (SIDS)?

- To establish a group to work with the WMO Secretariat on WMO/NMHSs engagement in the process of the preparation for the Conference;
- Include other UN agencies and development partners in preparation for the Conference;
- Encourage and assist NMHSs from SIDS to be involved in the national process and participation in the Conference; and
- To include (in the draft documents) the major roles and their importance within NMHSs; primarily, meteorological observations, and the provision of weather and climate services.

What tangible outcomes would WMO and NMHSs are expecting from the Conference?

- Clear direction from the Conference (in the draft documents) on the importance of weather and climate services to other sectors (e.g., DRR, CCA, agriculture and water) and their contribution to national development; and
 - Outcomes of the Conference to link to National Development Plans and NMHSs' Strategy and Implementation Plans.
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World Meteorological Organization

RA V-16/Doc. 5.3(1)

**REGIONAL ASSOCIATION V
(SOUTH-WEST PACIFIC)**

Submitted by: Chair of Plenary

Date: 7.V.2014

Original Language: English

SIXTEENTH SESSION

Jakarta, Indonesia, 2 to 8 May 2014

Status: **APPROVED**

EXPECTED RESULT 8

AGENDA ITEM 5.3: INTERNAL MATTERS OF THE ASSOCIATION

REVIEW OF SUBSIDIARY BODIES OF THE ASSOCIATION

SUMMARY

DECISIONS/ACTIONS REQUIRED:

- (a) To review the activities of subsidiary bodies of the Association during 2010-2014;
- (b) To decide on the working mechanism of the Association for 2014-2018;
- (c) To adopt draft resolutions on the establishment of RA V subsidiary bodies, including the Management Group, Tropical Cyclone Committee and Working Groups;
- (d) To adopt the draft text for inclusion in the general summary.

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APPENDIX A: DRAFT TEXT FOR INCLUSION IN THE GENERAL SUMMARY

5.3 Internal Matters of the Association (agenda item 5.3)

Review of subsidiary bodies of the Association

Reports of the Management Group and other subsidiary bodies of RA V

5.3(1).1 The Association noted with appreciation the reports of the fifth to tenth sessions of the RA V Management Group (MG). The Association complimented Dr Sri Woro B. Harijono, president and chairperson of the RA V MG, Mr 'Ofa Fa'anunu, vice-president, and members of the Group for the activities carried out according to its terms of reference, in particular, for guiding the development and implementation of the Strategic Operating Plan for the Enhancement of NMHSs in Regional Association V (South-West Pacific) (20012–2015), for monitoring the work of RA V subsidiary bodies, as well as the implementation of the WMO Programmes and activities in the Region. The MG also provided guidance for the future working mechanism of the Association and for the organization of the sixteenth session of RA V as well as the Regional Seminar and the Regional Conference in an efficient and cost-effective manner.

5.3(1).2 The Association, in recognizing the importance of coordinating its activities and the need for strengthening the roles and responsibilities of the MG including oversight of the activities of various Regional Centres, agreed to re-establish the Management Group. The RA V Management Group is expected to deal with the areas of WMO Expected Results 6, 7 and 8, including capacity-development and partnership as well as strategic planning issues; to oversee disaster risk reduction and services delivery; and to consider the optimal use of resources that might be allocated or could be made available, in connection with the activities of the subsidiary bodies of RA V.

5.3(1).3 The Association noted with appreciation the information provided by the chairperson of the Tropical Cyclone Committee and the leads of working groups on the activities during the intersessional period [as given in RA V-16/INF. 5.3(1)].

Future working mechanism of the Association

5.3(1).4 The Association noted that, following the decision of the fifteenth session (Bali, 2010), the MG completed the establishment of an adequate structure of regional subsidiary bodies by agreeing on the membership of the working groups and setting up relevant task teams. It further noted that MG provided guidance for the future structure of the subsidiary bodies of the Association, and welcomed the recommendations of the tenth session of the MG (MG-10) (Jakarta, 14-15 March 2014) on the future working mechanism of the Association as follows:

- (a) The Association should continue to play an important and active role in the implementation of WMO Programmes and activities in the Region in the fields of weather, climate and water;
- (b) The Association, through its future working mechanism, should continue to enhance and establish a strong linkage with technical commissions; and
- (c) The structure of future working mechanism of the Association remains the same as the current mechanism to secure the continuity, but it may require some changes for the details including working groups' Terms of Reference and the composition of the Task Teams.

5.3(1).5 Acknowledging the successful activities and accomplishments during the intersessional period, and to ensure the continuity of the subsidiary bodies' activities, the Association agreed to maintain the current structure of working mechanism of the Association: (i) Management Group (MG); (ii) Tropical Cyclone Committee for the South Pacific and South-East Indian Ocean (TCC); (iii) Working Group on Hydrological Services (WG-HYS); (iv) Working Group on Weather Services (WG-WXS); (v) Working Group on Climate Services (WG-CLS); and (vi) Working Group on Infrastructure (WG-INFR).

5.3(1).6 The Association endorsed the following recommendations proposed by the MG-10 on the composition and mandates of the subsidiary bodies as the initial working structure for the Region:

- (a) Strengthen the mandates of MG to oversee disaster risk reduction and services delivery for proper implementation in the Region;
- (b) Expand the mandates of TCC to other severe weather and related events through a creation of a Task Team on Severe Weather Forecasting including Global Data Processing and Forecasting System (TT-SWFD/DPFS), and another Task Team on Coastal Inundation including Storm Surges (TT-CISS);
- (c) Reduce the number of Task Teams in WG-HYS from five to four and rename them as: (i) Task Team on Training and Capacity Building in Hydrology (TT-TCB-H); (ii) Task Team on Hydrology Database Management (TT-HDM); (iii) Task Team on Disaster Risk Reduction – Water related Disasters (TT-DRR-W); and (iv) Task Team on Water and Climate (TT-WC);
- (d) Ensure continuity of the WG-WXS to assist in the implementation of robust and effective weather service delivery throughout RA V and maintain with the following modified structure: (i) Task Team on Cost Recovery (TT-CR); (ii) Task Team on Quality Management (TT-QM); (iii) Task Team on Training, Competencies and Qualifications (TT-TRG); and (iv) Task Team on Weather Services Implementation (TT-IMP);
- (e) Ensure continuity and maintain the current structure of the WG-CLS with: (i) Task Team on Climate Information and Prediction Services including Regional Climate Centres (RCCs) and Regional Climate Outlook Forum (RCOF) (TT-CLIPS); (ii) Task Team on Climate Data Management/Data Rescue (TT-CDM); (iii) Task Team on Climate Change (TT-CC); (iv) Task Team on Use of Improved Tools for Operational Agrometeorology including Coping with Impacts of Natural Disasters on Agriculture (TT-ITA); and (v) Task Team on Agrometeorological Information (TT-AIF); and
- (f) Modify the Task Teams of WG-INFR to focus on priorities as follows: maintain the Task Team on WIGOS (TT-WIGOS) with new challenges and the Task Team on Observations Quality Management (TT-OQM) with broader scope than the previous Task Team on Traceability of Observations; rename the Task Team on the Regional Implementation Strategy for new WIS Discovery and Retrieval Services (TT-DAR) as the Task Team on Regional implementation and Operation of WIS (TT-WIS); establish a new Task Team on Satellite Utilisation (TT-SU) by combining the two existing Task Teams on Pacific Satellite Communications (TT-PSC) and Satellite User Requirements (TT-SUR). A Task Team on Aircraft Based Observations (TT-ABO) should be formed if relevant experts are available.

5.3(1).7 In this respect, the Association agreed on the future working structure of RA V subsidiary bodies as illustrated in the Annex to this report. The Association further agreed on the terms of references of the Management Group, Tropical Cyclone Committee and four Working Groups. In that connection, the Association adopted Resolutions 5.3(1)/1 (RA V-16) – RA V Management Group, 5.3(1)/2 (RA V-16) – RA V Tropical Cyclone Committee for the South Pacific

and South-East Indian Ocean (TCC), 5.3(1)/3 (RA V-16) – RA V Working Group on Hydrological Services (WG-HYS), 5.3(1)/4 (RA V-16) – RA V Working Group on Weather Services (WG-WXS), and 5.3(1)/5 (RA V-16) – RA V Working Group on Climate Services (WG-CLS), and 5.3(1)/6 (RA V-16) – RA V Working Group on Infrastructure (WG-INFR).

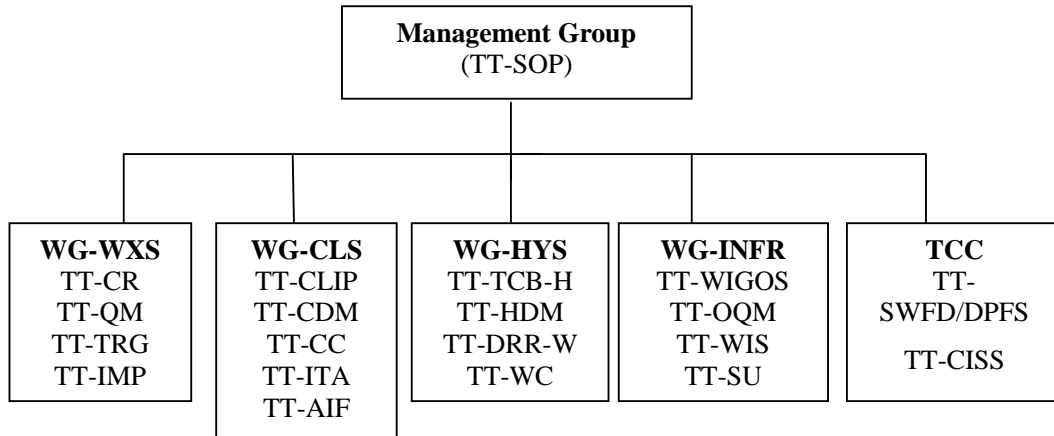
5.3(1).8 The Association, in recognizing the importance of coordinating its activities, encouraged the MG with flexibility to address intersessional issues, and also agreed that the active use of the MG by the RA V president during the intersessional period was a key aspect of being able to meet the challenges. In this regard, the Association urged the MG to review the details of the compositions of task teams with the Terms of References for individual WGs with a focus on the priority areas in the Region decided under Agenda items 5.1 and 7, and to complete the establishment of the subsidiary bodies in consultation with the WG Leads, the TCC Chair, and Members, for approval by the president of the Region.

5.3(1).10 The Association encouraged Members to nominate the Leads of the WGs and the Chair of TCC, members of the Task Teams, and continue providing necessary support to the designated members of the subsidiary bodies to allow them to discharge their responsibilities efficiently, and urged the Secretary-General to allocate adequate financial resources and Secretariat support for the Management Group and other subsidiary bodies to conduct their work effectively. The Association agreed that for the purpose of continuity the membership of the current subsidiary bodies will remain effective until the new membership is decided by the president of the Association.

5.3(1).11 The Association expressed its deep appreciation to the experts in the Region, including the Leads of WGs, the Chair of TCC, members of the WGs and the Chair of the Task Team on RA V Strategic and Operating Planning, who had effectively collaborated in carrying out the activities of the Association during the intersessional period, by giving recognition to their valuable work for the regional association.

Annex to paragraph 5.3(1).7

**FUTURE WORKING STRUCTURE OF SUBSIDIARY BODIES OF REGIONAL ASSOCIATION V
(SOUTH-WEST PACIFIC)**



Management Group

TT-SOP Task Team of RA V Strategic and Operating Planning

WG-WXS: Working Group on Weather Services

TT-CR Task Team on Cost Recovery
TT-QM Task Team on Quality Management
TT-TRG Task Team on Training, Competencies and Qualifications
TT-IMP Task Team on Weather Services Implementation

WG-CLS: Working Group on Climate Services

TT-CLIPS Task Team on Climate Information and Prediction Services including Regional Climate Centres (RCCs) and Regional Climate Outlook Forum (RCOF)
TT-CDM Task Team on Climate Data Management/Data Rescue
TT-CC Task Team on Climate Change
TT-ITA Task Team on Use of Improved Tools for Operational Agro-meteorology including Coping with Impacts of Natural Disasters on Agriculture
TT-AIF Task Team on Agro-meteorological Information

WG-HYS: Working Group on Hydrological Services

TT-TCB-H Task Team on Training and Capacity Building in Hydrology
TT-HDM Task Team of Hydrology Database Management
TT-DRR-W Task Team on Disaster Risk Reduction – Water-related Disasters
TT-WC Task Team on Water and Climate

WG-INFR: Working Group on Infrastructure

TT-WIGOS Task Team on WIGOS
TT-SU Task Team on Satellite Utilization
TT-WIS Task Team on Regional Implementation and Operation of WIS
TT-OQM Task Team on Observations Quality Management

TCC: Tropical Cyclone Committee for the South Pacific and South-East Indian Oceans

TT-SWFD/DPFS Task Team on Severe Weather Forecast and Disaster Risk Reduction including Data Processing and Forecasting System
TT-CISS Task Team on Coastal Inundation including Storm Surge

APPENDIX B: DRAFT RESOLUTIONS

Draft Resolution 5.3(1)/1 (RA V-16)

RA V MANAGEMENT GROUP

REGIONAL ASSOCIATION V (SOUTH-WEST PACIFIC),

Considering the proposal of the Management Group of the Association,

Recognizing the need to have an effective and flexible mechanism to address issues of importance, particularly those of highest priority, to the Association between sessions,

Decides:

- (1) To re-establish a Management Group of Regional Association V (South-West Pacific) to assist the president and make recommendations on matters relevant to the Association with the following terms of reference:
 - (a) To review matters related to the work of the Association, in particular on emerging issues or matters requiring actions which cannot wait until the next regular session of the Association;
 - (b) To plan and coordinate the work of the Association and its subsidiary bodies;
 - (c) To ensure priorities are addressed and advise on appropriate mechanisms for achieving results in accordance with the regional operating plan;
 - (d) To establish and review the structure and work of the subsidiary bodies of the Association, including the implementation of their recommendations, and to disband or reorganize these bodies as needed;
 - (e) To collaborate with the Secretariat on resource mobilization and advise on the alignment of resources with regional priorities and implementation of the operational plan;
 - (f) To provide the Association's input to the WMO Strategic Plan and develop, coordinate and monitor the implementation of the Strategic Operating Plan for Regional Association V based on the discussions during its sixteenth session and taking into account input from the Members of the Association;
 - (g) To identify RA V Focal Points to ensure coordination with WMO Programmes and other organizations as appropriate and necessary;
 - (h) To address other issues as they arise, including strengthening of strategic partnerships with regional organizations, development agencies, and other partners, ensuring coordination of development efforts, and overseeing disaster risk reduction and services delivery;
- (2) To invite the president to act as chair of the Management Group, which is composed of the president, the vice-president and three other Executive Council members of the Region or their designated Alternates to be invited by the president. The chair of the Regional Association V Tropical Cyclone Committee for the South Pacific and South-East Indian Ocean, the Regional Hydrological Adviser and the leads of the Working Groups on Weather Services, Climate Services and Infrastructure shall serve as ex officio members

and participate in meetings, when possible. The president is encouraged to invite the chair of the Pacific Meteorological Council to participate in Management Group meetings;

Requests the president to consider subregional representation as appropriate on the Management Group and that the Group meets face-to-face annually, or as needed, preferably in conjunction with other meetings or events, and quarterly by phone or video-conference, and scheduled at a time that ensures that a majority of members are able to attend;

Authorizes the president to take necessary decisions on behalf of the Association, after consultation with the Management Group, on matters of importance to the Region;

Requests further the president to report to the Association during the intersessional period, as necessary, and at its next regular session on the activities of the Management Group and relevant decisions taken on behalf of the Association.

Note: This resolution replaces Resolution 6 (XV-RA V), which is no longer in force.

Draft Resolution 5.3(1)/2 (RA V-16)

RA V TROPICAL CYCLONE COMMITTEE FOR THE SOUTH PACIFIC AND SOUTH-EAST INDIAN OCEAN (TCC)

REGIONAL ASSOCIATION V (SOUTH-WEST PACIFIC)

Noting:

- (1) Resolution 23 (Cg-XVI) – Tropical Cyclone Programme,
- (2) *The WMO Strategic Plan* (WMO-No. 1069),
- (3) United Nations General Assembly resolutions on the International Strategy for Natural Disaster Reduction,
- (4) Decisions of the United Nations Global Conference on the Sustainable Development of Small Island Developing States,
- (5) The decision of the Executive Council at its sixtieth session on the Storm Surge Watch Scheme,
- (6) The reports of the sessions of the Regional Association V Tropical Cyclone Committee for the South Pacific and South-East Indian Ocean,

Considering the need for the countries in the South Pacific and adjacent areas affected by tropical cyclones to continue to work together to accelerate action, particularly within the context of the sustainable development of small island developing States, to reduce the loss of human life and damage caused each year by tropical cyclones and phenomena with impacts similar to those caused by tropical cyclones,

Decides:

- (1) To re-establish the Regional Association V Tropical Cyclone Committee for the South-Pacific and South-East Indian Ocean with the following Terms of Reference:
 - (a) To promote and coordinate the planning and implementation of measures for the improvement of cyclone warning systems and related meteorological services and the facilitation of efforts to minimize loss of life, human suffering and damage caused by tropical cyclones and related natural hazardous phenomena in the tropical part of Region V south of the equator;
 - (b) To review regularly the status of tropical cyclone warning systems in the RA V Tropical Cyclone Committee area and recommend measures for the development or improvement of these systems;
 - (c) To review regularly the Tropical Cyclone Operational Plan for the South-Pacific and South-East Indian Ocean and recommend any amendments to the text of the Plan to the president of RA V for approval;
 - (d) To coordinate its work with other activities carried out within the WMO Tropical Cyclone Programme, in particular, with the Regional Association I Tropical Cyclone Committee for the South-West Indian Ocean and the Economic and Social Commission for Asia and the Pacific/WMO Typhoon Committee;

- (e) To coordinate its activities with other RA V working groups and rapporteurs;
 - (f) To develop, update and facilitate the implementation of the Technical Plan of the RA V Tropical Cyclone Committee;
 - (g) To seek, through RA V, financial and technical support for the programme activities;
 - (h) To promote and coordinate the planning and implementation of measures for establishment of the Storm Surge Watch Scheme in the Region in collaboration with the Joint WMO/IOC Technical Commission for Oceanography and Marine Meteorology;
 - (i) To establish task teams as it finds necessary to carry out the work of the Committee, noting the decisions of RA V with respect to the Severe Weather Forecasting including Global Data-processing and Forecasting System (TT-SWFD/DPFS), and another task team on Coastal Inundation including Storm Surges (TT-CISS);
- (2) To invite the following Members of RA V to nominate experts to serve on the Committee:
- Australia
 - Cook Islands
 - Fiji
 - French Polynesia
 - Indonesia
 - Kiribati
 - Micronesia, Federated States of
 - New Caledonia
 - New Zealand
 - Niue
 - Papua New Guinea
 - Samoa
 - Solomon Islands
 - Timor-Leste, Democratic Republic of
 - Tonga
 - Tuvalu
 - United Kingdom of Great Britain and Northern Ireland
 - United States of America
 - Vanuatu
- (3) To invite the following Pacific island countries to designate experts to participate in the work of the Committee:
- Marshall Islands
 - Nauru
 - Palau
- (4) To invite the chair of the RA I Tropical Cyclone Committee for the South-West Indian Ocean to serve as an ex officio member;
- (5) To designate, in accordance with Regulation 32 of the WMO General Regulations, an expert as chair of the Committee;

Requests the Chair of the Committee:

- (1) To develop a Committee implementation plan in consultation with the president and Management Group of the Association, with reference to the key performance indicators/targets and action plans under the respective expected results of the Strategic Plan for the Enhancement of National Meteorological and Hydrological Services in Regional Association V (South-West Pacific), to undertake work on the various theme areas under the charge of the Committee;
- (2) To participate in the relevant sessions of WMO constituent bodies and expert groups, when invited, representing the regional interests in relation to the services development, and to coordinate the activities with the Joint WMO/IOC Technical Commission for Oceanography and Marine Meteorology, the Commission for Aeronautical Meteorology and other regional working groups;
- (3) To submit to the president of the Association an annual report by 31 December every year and a final report in time for presentation to the Association at its seventeenth session, both copied to the WMO Secretariat;

Requests the Secretary-General:

- (1) To convene biennial sessions of the Committee;
- (2) To continue to take the necessary steps to assist the Committee and to ensure the provision of appropriate Secretariat support to its activities.

Note: The present resolution replaces Resolution 7 (XV-RA V), which is no longer in force.

DRAFT RESOLUTION 5.3(1)/3 (RA V-16) –
RA V Working Group on Hydrological Services (WG-HYS)

THE REGIONAL ASSOCIATION,

Decides:

- (1) To re-establish the Regional Association V Working Group on Hydrological Services (WG-HYS) with the following terms of reference:
 - (a) Monitor, promote and develop strategies and activities that will enhance the capabilities of RA-V Members to improve the quality of hydrological services and to deliver and improve access to these services, with an emphasis on improved observation and monitoring systems;
 - (b) Coordinate with relevant WMO and other groups to enable improved forecasting capabilities, including the provision of more accurate, timely and reliable forecasts and warnings and enhanced delivery of related information and services;
 - (c) Assist RA–V Members to apply a quality management approach that will enable and support the sustainability of Hydrological Services;
 - (d) Establish and coordinate Task Teams, as required, to complete specific activities related to the objectives and priority areas of the WG-HYS; and
 - (e) Report and provide advice to the RA-V Management Group on the above issues
- (2) That the Working Group shall be composed of:
 - (a) A lead (nominally the Regional Hydrological Advisor) and a vice-lead;
 - (b) Task teams as agreed by the Management Group, with the task team leaders serving as core members of the Working Group; and
 - (c) Other experts as necessary, taking into account that, due to funding constraints, the composition of working groups should be kept to a limited number allowing their effective operation during the intersession period.
- (3) To designate, in accordance with Regulation 32 of the WMO General Regulations, [*name, country*] as lead of the Working Group, and [*name, country*] as vice-lead;

Requests the lead:

- (1) To submit to the Management Group within three months a work programme for the period 2014–2017 with due consideration of the deliverables outlined in the RA V Operating Plan;
- (2) To submit to the Management Group a proposal for establishment of task teams, including terms of reference and work plan, as necessary, to facilitate successful implementation of the RA V Operating Plan in the area of responsibility of the Working Group; and
- (3) Provide an annual progress report to the president of the Regional Association and a final report at least three months before the next session of the Association.

Invites Members:

- (1) To nominate experts who are committed to serve actively on the Working Group, with due attention to gender balance; and
 - (2) To support the activities of the Working Group.
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DRAFT RESOLUTION 5.3(1)/4 (RA V-16) –
RA V Working Group on Weather Services (WG-WXS)

THE REGIONAL ASSOCIATION,

Decides:

- (1) To re-establish the Regional Association V Working Group on Weather Services (WG-WXS) with the following terms of reference:
 - (a) Monitor, promote & develop strategies to enhance the capabilities of RA-V Members to deliver and improve access to weather services, with an immediate focus on sustainable aviation weather services;
 - (b) Coordinate with relevant WMO, ICAO and other key organizations to assist with the implementation of an improved and sustainable weather and warning service;
 - (c) Identify and evaluate international best practice on the delivery of weather & warning services and communicate these with RA-V Members;
 - (d) Establish and coordinate Task Teams, as necessary, to complete specific tasks related to the objectives and priority areas of the WG-WXS;
 - (e) Report and provide advice to the RA-V Management Group on the above issues;
- (2) That the Working Group shall be composed of:
 - (a) A lead and a vice-lead;
 - (b) Task teams as decided by the Management Group, with the task team leaders serving as core members of the Working Group;
 - (c) Other experts as necessary, taking into account that, due to funding constraints, the composition of working groups should be kept to a minimum amount allowing its effective operation during the intersession period.
- (3) To designate, in accordance with Regulation 32 of the WMO General Regulations, [*name, country*] as lead of the Working Group, and [*name, country*] as vice-lead;

Requests the lead:

- (1) To submit to the Management Group within three months a work programme for the period 2014 – 2017 with due account of the deliverables outlined in the RA V Operating Plan;
- (2) To submit to the Management Group a proposal for establishment of task teams, including terms of reference and work plan, as necessary, to facilitate successful implementation of the RA V Operating Plan in the area of responsibility of the Working Group;
- (3) Provide an annual progress report to the president of the Regional Association and a final report at least three months before the next session of the Association;

Invites Members:

- (1) To nominate experts who are committed to serve actively on the Working Group, with due attention to gender balance;

(2) To support the activities of the Working Group.

DRAFT RESOLUTION 5.3(1)/5 (RA V-16) –
RA V Working Group on Climate Services (WG-CLS)

THE REGIONAL ASSOCIATION,

Decides:

- (1) To re-establish the Regional Association V Working Group on Climate Services (WG-CLS) with the following terms of reference:
 - (a) To coordinate observational and other climate services with the Global Framework for Climate Services (GFCS), the Global Climate Observing System (GCOS) and the Global Ocean Observing System (GOOS) programmes;
 - (b) To provide advice on methods to strengthen and improve climate system monitoring, analyses and indices;
 - (c) To keep abreast of the activities of CCI, WCRP and its core research projects, GFCS, IPCC, the United Nations Framework Convention on Climate Change (UNFCCC) and other climate-related bodies, report results of meetings and workshops, and encourage strong regional involvement in these bodies;
 - (d) To provide advice on and assist in the implementation of various climate information and prediction services in RA V, including Climate Information and Prediction Services (CLIPS), in many different sectors, including extreme climate prediction, agriculture, renewable energy, bioclimatic indices, urban and building planning, risk management, air quality and health;
 - (e) To examine, coordinate, report on and encourage the use of Geographical Information Systems (GISs) in the provision of climate services;
 - (f) To provide advice on, assist in identifying and coordinate attendance at climate-related education and training courses/workshops, including information technology and management, based upon a survey of the training requirements in the Region;
 - (g) To provide further advice and proposals on the role, structure and mechanism of the Regional Climate Centres in the region;
 - (h) To provide advice and proposals on other important climate-related issues as they develop and evolve;
- (2) That the Working Group shall be composed of:
 - (a) A lead and a vice-lead;
 - (b) Task teams as decided by the Management Group, with the task team leaders serving as core members of the Working Group;
 - (c) Other experts as necessary, taking into account that, due to funding constraints, the composition of working groups should be kept to a minimum amount allowing its effective operation during the intersession period.
- (3) To designate, in accordance with Regulation 32 of the WMO General Regulations, [*name, country*] as lead of the Working Group, and [*name, country*] as vice-lead;

Requests the lead:

- (1) To submit to the Management Group within three months a work programme for the period 2014 – 2017 with due account of the deliverables outlined in the RA V Operating Plan;
- (2) To submit to the Management Group a proposal for establishment of task teams, including terms of reference and work plan, as necessary, to facilitate successful implementation of the RA V Operating Plan in the area of responsibility of the Working Group;
- (3) Provide an annual progress report to the president of the Regional Association and a final report at least three months before the next session of the Association;

Invites Members:

- (1) To nominate experts who are committed to serve actively on the Working Group, with due attention to gender balance;
 - (2) To support the activities of the Working Group.
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DRAFT RESOLUTION 5.3(1)/6 (RA V-16) –
RA V Working Group on Infrastructure (WG-INFR)

THE REGIONAL ASSOCIATION,

Decides:

- (1) To re-establish the Regional Association V Working Group on Infrastructure (WG-INFR) with the following terms of reference:
 - (a) Monitor, promote & develop strategies for the Regional development and sustainable implementation of the WMO Information System, including the steps described in the Region V WIS Implementation Plan. A high priority remains overcoming the persistent shortcomings of the RMTN for time-critical and operation-critical data exchange. Avenues include Pacific-wide satellite communications, collaboration in the development and support of RANET, EMWIN reception, and improved access to Internet services;
 - (b) Monitor, promote and develop integrated strategies for the Regional development and sustainable implementation of the observing systems of WMO Programmes and cosponsored Programmes, in particular through the Region V WIGOS Implementation Plan. Specific areas for attention are tabulated in that plan;
 - (c) Review and propose updates for the Region V WIGOS Implementation Plan;
 - (d) Identify means for strengthening liaison with bodies involved in the development and implementation of relevant observing and information systems;
 - (e) Identify education and training requirements for relevant information and communication techniques and observing systems and operations;
 - (f) Provide input to WMO regulatory material related to observations and information systems;
 - (g) Coordinate Task Teams to complete specific tasks and develop proposals to the Management Group for winding up completed teams and starting new teams; and
 - (h) Report to and advise the RA-V President and Management Group on the above issues.

- (2) That the Working Group shall be composed of:
 - (a) A lead and a vice-lead;
 - (b) Task teams as decided by the Management Group, with the task team leaders serving as core members of the Working Group;
 - (c) Other experts as necessary, taking into account that, due to funding constraints, the composition of working groups should be kept to a minimum amount allowing its effective operation during the intersession period.

- (3) To designate, in accordance with Regulation 32 of the WMO General Regulations, [*name, country*] as lead of the Working Group, and [*name, country*] as vice-lead;

Requests the lead:

- (1) To submit to the Management Group within three months a work programme for the period 2014 – 2017 with due account of the deliverables outlined in the RA V Strategic Operating Plan for 2012-2015 and for 2016-2019;
- (2) To submit to the Management Group a proposal for establishment of task teams, including terms of reference and work plan, as necessary, to facilitate successful implementation of the RA V Strategic Operating Plan for 2012-2015 and for 2016-2019 in the area of responsibility of the Working Group;
- (3) Provide an annual progress report to the president of the Regional Association and a final report at least three months before the next session of the Association;

Invites Members:

- (1) To nominate experts who are committed to serve actively on the Working Group, with due attention to gender balance;
 - (2) To support the activities of the Working Group.
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LIST OF PARTICIPANTS

1. Members of RA V Management Group and Representatives of Members of RA V

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