

APPENDIX IV

REPORT OF PARALLEL SESSION OF THE WORKING GROUP ON METEOROLOGY (WGM)

1. The meeting of the WGM was convened by Chair, Mr Lei Xiaotu (China) at 10:30, January 25, 2010 in Parkroyal hotel, Singapore. The meeting was attended by 30 participants from the Members of the Committee as well as the representatives of WMO, ESCAP, ICAO, and TCS. No representative from DPRK and Lao DPR attended the meeting.
2. The Agenda for the meeting of WGM included the Report of WGM Chair, Reports of the Members in respective areas, and preparation of the WGM report including review of activities in the past year, recommendation for the coming year, and budget as well as nomination of officers for WGM.
3. The meeting took note of important progress made in the implementation of the TC Strategic Plan and annual operating plan during the past year under Meteorology by Members.
4. The meeting also noted that the outcomes of meeting of Working Group on Meteorology during the Integrated Workshop on Building Sustainability and Resilience in High Risk Area of the Typhoon Committee: Assessment and Action, Cebu, Philippines, 14-18 September 2009.
5. The meeting was pleased to be informed that a number of workshops and training courses were held successfully during 2009 and have been participated actively by TC Members.
6. The meeting was pleased to be informed that the assessment report on the impact of climate change on tropical cyclone frequency and intensity variation was finished and is planned to be published under the name of TC in 2010.
7. The meeting noted with pleasure that the web-based typhoon forum was successfully set up in July 2009 by Shanghai Typhoon Institute (STI) of CMA and open to nominated members. This forum is intended to provide a real time communication platform for forecaster and researcher of the Asia and Pacific Typhoon committee, improve the forecast ability of TC and reduce the damage of TC.

8. The meeting noted the proposal for launching a Typhoon Committee science and technology journal “Tropical Cyclone Review” on the initiative of WGM and agreed that the journal can be an effective forum for broad exchange of new knowledge of typhoon research and latest technology of typhoon forecast, and expanding the influence of Typhoon Committee in areas of typhoon research as well as in the international meteorological community.

9. The Members of the working group nominated Mr. Lei Xiaotu (China) as Chair, Mr. Nguyen Dai Khan (Vietnam) and Mr. Nathaniel Cruz (the Philippines) as Vice-Chairs continue.

Recommendations

On the basis of the information provided by Members and the outcomes of the WGM paralleled session and the Integrated Workshop on Building Sustainability and Resilience in High Risk Area of the Typhoon Committee: Assessment and Action, Cebu, Philippines, 14-18 September 2009, the following recommendations were proposed to the Session of the Committee:

- To publish the first assessment report “Assessment of the impact of climate change on tropical cyclone frequency and intensity in Typhoon Committee region” under the name of Typhoon Committee in 2010.
- To form an expert team to continue the assessment process on tropical cyclone activity (track and scope) and climate change. Recommended members include James C. Weyman (USA), National Typhoon Center (NTC)/KMA, Ying Ming (CMA), Tetsuo Nakazawa (JMA), HKO, with Leong Weng Kun (Macao/China) as coordinator. And to confer the letter of appointment by Typhoon Committee to extend the positivity of the assessment expert team.
- To hold the follow-up meeting on best track of RSMC-Tokyo, HKO and STI/CMA consolidation.
- To pay attention to the progress that has been made by the Expert Panel on Tropical Cyclones and Climate Change. It should also be noted that there will be a new statement before the opening of IWTC-VII.
- To request RSMC Tokyo to modify its regional storm surge model to produce storm surge distribution maps for TC Members, and request TC Members to provide the bathymetry and tidal data archive to RSMC Tokyo.
- To further improve quantitative precipitation estimation (QPE) and quantitative precipitation forecast (QPF) techniques of TC Members and produces the storm surge distribution map and report the evaluation in 43rd session.

- To further develop the project “Typhoon Information Processing Systems (TIPS)” considering its importance in promoting the exchange of experiences among members and improving TC forecast tools of all the Members.
- To further enhance the interaction among WGM, WGH and WGDPP by promoting the project entitled ‘Urban Flood Risk Management’.
- To exploit and share the outcomes of T-PARC 2008 among Members and to pay attention to the planning field experiment in 2010 with focus on the ocean responses to the tropical cyclone.
- To request WGM to put forward the procedures of consultation and discussion among the Members led by CMA and RSMC Tokyo during TC period by using the existing channels such as telephone, website and email system aiming at exchanging the latest information about tropical cyclones.
- To request WGM to further improve the effectiveness of the on-line typhoon forum.
- To request Members concerned to take the necessary action to use SAREP and RADOB in BUFR by the end of 2010 with software assistance by the Republic of Korea if necessary, and to request the RSMC Tokyo to continue to disseminate both BUFR and alphanumeric SAREP and RADOB to the end of 2010.
- To form an radar data set list of TC Members. Recommended Members including Thailand, Cambodia, Lao PDP, Malaysia, the Philippines, Viet Nam, China, Hong Kong/China, Japan and Republic of Korea.
- To approve the proposal on launching the Typhoon Committee science and technology journal “Tropical Cyclone Review”, to request WGM and CMA to prepare the preoperational work, and to request TCS to apply the international ISSNs (including print and online).
- To re-appoint Mr. Lei Xiaotu (China) as Chair of WGM, Mr. Nguyen Dai Khanh (Viet Nam) and Mr. Nathaniel Cruz (the Philippines) as Vice-Chairs of WGM continue.