**APPENDIX XXVII**

TC54 SESSION

**Acronyms and Abbreviations**

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| --- | --- |
| ACP | Weather and climate services for Africa, Caribbean and Pacific Countries |
| ADPC | Asian Disaster Preparedness Center |
| ADRC | Asia Disaster Risk Reduction |
| AFTN | Aeronautical Fixed Telecommunication Network |
| AHI | Advanced Himawari Imager |
| AI | Artificial Intelligence |
| AIREP | Aircraft En-route R-report |
| AMeDAS | Automated Meteorological Data Acquisition System |
| AMV | Atmospheric Motion Vector |
| A-MWO | Autonomous Marine Weather Observation |
| AOP | Annual Operating Plan |
| APDIM | Asian and Pacific Centre for the Development of Disaster Information Management |
| APDRN | Asia-Pacific Disaster Resilience Network |
| APDRN | Asia-Pacific Disaster Resilience Network |
| APT | Automatic Picture Transmission |
| ASCAT | Advanced SCATterometer |
| ASDAR | Aircraft to Satellite Data Relay |
| ASEAN | Association of Southeast Asian Nations |
| ASWind | Atmospheric motion vector based Sea-surface Wind |
| AVAPS | Airborne Vertical Atmospheric Profiling System |
| AWG | Advisory Working Group |
| BIP-M | Basic Instruction Package for Meteorologist |
| BMKG | Indonesian Agency for Meteorology, Climatology and Geophysics (Badan Meteorologi, Klimatologi, dan Geofisika ) |
| BoM | Bureau of Meteorology (Australia) |
| BUFR | Binary Universal Form for the Representation of meteorological data |
| BUOY | Report of a buoy operation |
| CAPPI | Constant Altitude Plan Position Indicator |
| CBR | Constituent Bodies Reform |
| CENS | Canada Ensemble System |
| CHy | Commission for Hydrology |
| CI | Current Intensity |
| CMA | China Meteorological Administration |
| CMA NMC | China Meteorological Administration National Meteorology Center |
| CMC | Canadian Meteorological Centre |
| CNKI | China National Knowledge Infrastructure |
| CNMI | Commonwealth of the Northern Mariana Islands |
| CoDi | Collaborative Discussion Forum |
| CPC | Communist Party of China |
| CPHC | Central Pacific Hurricane Center |
| CREWS | Climate Risk & Early Warning Systems |
| CSR | Clear Sky Radiance |
| DDN | DataDirect Networks |
| DID | Department of Irrigation and Drainage |
| DPRK | Democratic People’s of Republic of Korea |
| DRR | Disaster Risk Reduction |
| DWD | Deutscher Wetterdienst |
| EC | Executive Council |
| ECMWF | European Centre for Medium - Range Weather Forecasts |
| ECMWF | European Centre for Medium-Range Weather Forecasts |
| EDA | Early Dvorak Analysis |
| EFFS | Extreme Flood Forecasting System |
| EGAT | Electricity Generating Authority of Thailand |
| EMC | Environmental Modeling Center |
| EPSs | Ensemble Prediction Systems |
| ESCAP | Economic and Social Commission for Asia and the Pacific |
| ESCI | Emerging Sources Citation Index |
| ET | Extratropical Transition |
| EXOTICCA | Experiment on Typhoon Intensity Change in Coastal Area |
| FAX | Facsimile |
| FFG | Flash Flood Guidance |
| FFG | Flash Flood Guidance |
| FHM | Flood Hazard Mapping |
| FIRs | Flight Information Regions |
| FTP | File Transfer Protocol |
| GBA | Guangdong-Hong Kong-Macao Greater Bay Area |
| GEFS | Global Ensemble Forecast |
| GEPS | Global Ensemble Prediction System |
| GFCS | Global Framework for Climate Services Office |
| GFS | Global Forecast System |
| GISC | Global Information System Centre |
| GLOFs | Glacial Lake Outburst Floods |
| GMAS | Global Multi-Hazard Alert System |
| GMS | Geostationary Meteorological Satellite |
| GNSS | Global Navigation Satellite System |
| GrADS | Grid Analysis and Display System |
| GRIB | General regularly distributed information in binary form |
| GSM | Global Spectral Model |
| GTS | Global Telecommunication System |
| HFC | Hydrological Forecast Center |
| HIweather | High Impact weather |
| HKO | Hong Kong Observatory |
| HLPW | High-Level Panel on Water |
| HRFCO | Han River Flood Control Office |
| HRPT | High Resolution Picture Transmission |
| IBTrACS | International Best Track Archive for Climate Stewardship |
| ICAO | International Civil Aviation Organization |
| ICHARM | International Centre for Water Hazard and Risk Management |
| iCoWin | Community Weather Information Network |
| IDD | Information and Communication Technology, Disaster Risk Reduction |
| IDI | Infrastructure Development Institute |
| IFI | International Flood Initiative |
| IFRC | International Federation of Red Cross and Red Crescent Societies |
| IN-MHEWS | International Network for Multi-Hazard Early Warning System |
| IOC | Intergovernmental Oceanographic Commission |
| IOT | Internet of Things |
| IPSAS | International Public Sector Accounting Standards |
| IR | Infrared |
| ISSC | International Scientific Steering Committee |
| ITMM | Institute of Tropical and Marine Meteorology |
| ITU | International Telecommunications Union |
| IWRM | Integrated Water Resource Management |
| IWS | Integrated Workshop |
| IWSATC | International Workshop on Satellite Analysis of Tropical Cyclones |
| IWTC | International Workshop on Tropical Cyclones |
| JCOMM | Joint Technical Commission for Oceanography and Marine Meteorology |
| JCSAT | Japan Communications Satellite |
| JETT | JMA Emergency Task Team |
| JICA | Japan International Cooperation Agency |
| JMA | Japan Meteorological Agency |
| JTWC | Joint Typhoon Warning Center |
| KICT | Korea Institute of Construction Technology |
| KMA | Korea Meteorological Administration |
| KRA | Key Result Area |
| Lao PDR | Lao People’s Democratic Republic |
| MAE | Mean Absolute Error |
| MCGE | Multi-Center Grand Ensemble |
| ME | Mean Error |
| METAR | Aerodrome/aviation routine meteorological report |
| MHEWS | Multi-Hazard Early Warning System |
| MICAPS | Meteorological Information Comprehensive Analysis and Process System), |
| MLIT | Ministry of Land, Infrastructure, Transport and Tourism, Japan |
| MMD | Malaysian Meteorological Department |
| MPLS | Multi-Protocol Label Switching |
| MRC | Mekong River Commission |
| MSC | Meteorological Service of Canada |
| MSE | Mean Squared Error |
| MSTP | Multiple Spanning Tree Protocol |
| MTI | Moving Target Indicator |
| MTSAT | Multi-functional Transport Satellite |
| MWO | Meteorological Watch Office |
| MWR | Ministry of Water Resources |
| NaFFWS | National Flood Forecasting and Warning System |
| NCEP | National Centers for Environmental Prediction |
| NCHMF | Vietnam National Center for Hydro-Meteorological Forecasting |
| NDMI | National Disaster Management Institute |
| NESDIS | National Environmental Satellite, Data and Information Service |
| NHMS | National Hydro-Meteorological Service |
| NHRI | Nanjing Hydraulic Research Institute |
| NMC | National Meteorological Center |
| NMHS | National Meteorological and Hydrological Service |
| NMS | National Meteorological Service |
| NMSC | National Meteorological Satellite Center |
| NOAA | National Oceanic and Atmospheric Administration |
| NTC | National Typhoon Center |
| NTP | Numerical Typhoon Prediction |
| NWP | North Western Pacific/Numerical Weather Prediction |
| NWS | National Weather Service |
| OC | Organizing Committee |
| OPMET | Operational Meteorological information Data |
| OSUFFIM | Operational System for Urban Flood Forecasting and Inundation Mapping |
| PAGASA | Philippine Atmospheric, Geophysical and Astronomical Services Administration |
| PILOT | Upper-wind report from a fixed land station |
| PITD | Pacific International Training Desk |
| PNG | Portable Network Graphics |
| POP | Perennial Operating Project |
| PP | Preliminary Project |
| PRABN | National Flood Forecasting and Warning Centre |
| PRiMO | Pacific Risk Management ‘Ohana |
| PTC | Panel on Tropical Cyclones |
| PWV | Precipitable Water Vapour |
| QMS | Quality Management System |
| QPE | Quantitative Precipitation Estimation |
| QPF | Quantitative Precipitation Forecast |
| R&D | Research and Development |
| R/A | Radar/raingauge-Analyzed precipitation |
| RA | Regional Association |
| RADOB | Report of ground radar weather observations |
| RaINS | Radar Integrated Nowcasting System |
| RCCC | Research Center for Climate Change |
| RDCA | Rapidly Developing Cumulus Area |
| RID | Royal Irrigation Department |
| RMSE | Root Mean Squared Error |
| RMW | Radii of Maximum Wind |
| RO | Radio Occultation |
| ROBEX | Regional OPMET Bulletin Exchange |
| ROK | Republic of Korea |
| RSMC | Regional Specialized Meteorological Center |
| RTH | Regional Telecommunication Hub |
| S.VISSR | Stretched VISSR |
| SAREP | Report of synoptic interpretation of cloud data obtained by a meteorological satellite |
| SATAID | SATellite Animation and Interactive Diagnosis |
| SATEM | Report of satellite remote upper-air soundings of pressure, temperature and humidity |
| SATOB | Report of satellite observations of wind, surface temperature, cloud, humidity and radiation |
| SG | Secretary General |
| SHIP | Report of surface observation from a sea station |
| SHIPS | Statistical Hurricane Intensity Prediction Scheme |
| SIGMET | Significant Meteorological |
| SMG | Macao Meteorological and Geophysical Bureau |
| SOP | Standard Operating Procedures |
| SP | Strategic Plan |
| SSOP | Synergized Standard Operating Procedures for Coastal Multi-Hazards Early Warning System |
| SST | Sea Surface Temperature |
| SSWS | Storm Surge Watch Scheme |
| STI | Shanghai Typhoon Institute |
| STS | Severe Tropical Storm |
| SWFDP | Severe Weather Forecasting Demonstration Project |
| SWFDP-SeA | Severe Weather Forecasting Demonstration Project for Southeast Asia |
| SWIC | Severe Weather Information Centre |
| SWIRL | Short range Warning of Intense Rainstorms in Localized Systems |
| SYNOP | Surface Synoptic Observation |
| SYNOP | Report of surface observation from a fixed land station |
| SYS | Sun Yat-Sen |
| TAC | Traditional Alphanumeric Code Form |
| TASI | Telecommunications and Social Informatics |
| TBB | Temperature Black Body |
| TC | Tropical Cyclone/Typhoon Committee |
| TCAC | Tropical Cyclone Advisory Centre |
| TCAR3 | The Third Assessment Report on the Influence of Climate Change on Tropical Cyclones in the Typhoon Committee Region |
| TCEFP | Tropical Cyclone Ensemble Forecast Project |
| TCHP | Tropical cyclone Heat Potential |
| TCM | Technical Coordinating Meeting |
| TCP | Tropical Cyclone Programme |
| TCP/IP | Transmission Control Protocol / Internet Protocol |
| TCRR | Tropical Cyclone Research and Review |
| TCS | Typhoon Committee Secretariat |
| TCTF | Typhoon Committee Trust Fund |
| TCWC | Tropical Cyclone Warning Centre |
| TD | Tropical Depression |
| TDCF | Table-Driven Code Form |
| TECO | Technical Conference |
| TEMP | Upper-level pressure, temperature, humidity and wind report from a fixed land station |
| TIFS | Typhoon Intensity Forecasting scheme |
| TIGGE | THORPEX Interactive Grand Global Ensemble |
| TLFDP | Typhoon Landfall Forecast Demonstration Project |
| TMD | Thai Meteorological Department |
| TOM | Typhoon Committee Operational Manual |
| TOPEX | Typhoon Operational Experiment |
| TOS | Typhoon Operation System |
| TRAMS | Tropical Region Atmospheric Model System |
| TRCG | Training and Research Coordination Group |
| TS | Tropical Storm |
| TY | Typhoon |
| UAV | Unmanned Aerial Vehicle |
| UFRM | Guidelines of Urban Flood Risk Management |
| UHSLC | University of Hawaii Sea Level Center |
| UKMO | United Kingdom Met Office |
| UNCCD | United Nations Convention to Combat Desertification |
| UNEP | United Nations Environment Programme |
| UNESCO | United Nations Educational, Scientific and Cultural Organization |
| UNFCCC | United Nations Framework Convention on Climate Change |
| UNISDR | United Nations Office for Disaster Risk Reduction |
| UPDRAFT | Understanding and PreDiction of Rainfall Associated with LandFalling Tropical cyclones |
| USA | United States of America |
| UTC | Universal Time Coordinated |
| VCP | Voluntary Cooperation Program |
| VIS | Visible |
| VISSR | Visible and Infrared Spin Scan Radiometer |
| VNMHA | Vietnam Meteorological Hydrological Administration |
| VPN | Virtual Private Network |
| WAFCs | World Area Forecast. Centres |
| WBM | Water Balance Model |
| WENS | Wave Ensemble System |
| WG | Working Group |
| WGDRR | Working Group on Disaster Risk Reduction |
| WGH | Working Group on Hydrology |
| WGM | Working Group on Meteorology |
| WIFS | WAFS Internet File Services |
| WIGOS | WMO Integrated Global Observing System |
| WIS | WMO Information system |
| WMO | World Meteorological Organization |
| WRN | Weather-Ready Nation |
| WV | Water Vapour |
| WWIS | World Weather Information Service |
| WWMIWS | Worldwide Met-Ocean Information and Warning Service |
| WWRP | World Weather Research Program |