**APPENDIX XXIII**

TC57 SESSION

**Acronyms and Abbreviations**

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| --- | --- |
| ADRC | Asian Disaster Reduction Center |
| AFTN | Aeronautical Fixed Telecommunication Network |
| AG | Advisory Group |
| AG-TC | Advisory Group on Tropical Cyclones |
| AHI | Advanced Himawari Imager |
| AI | Artificial Intelligence |
| AMHS | Aeronautical Message Handling Services |
| AMSU | Advanced Microwave Sounding Unit |
| AMV | Atmospheric Motion Vector |
| AOP | Annual Operating Plan |
| AOR | Area of Responsibility |
| AP-TCRC | Asia Pacific Typhoon Collaborative Research Center |
| APAC | Asia and Pacific |
| ARWS | Automatic Rainfall Warning System |
| ASEAN | The Association of Southeast Asian Nations |
| ASEANCOF | ASEAN Climate Outlook Forum |
| ASWind | AMV-based Sea surface Wind |
| ATS | Air Traffic Services |
| AWG | Advisory Working Group |
| BMKG | Badan Meteorologi, Klimatologi, dan Geofisika |
| BoM | Bureau of Meteorology |
| BOTES | Back Of The Envelope Surge |
| BUFR | Binary Universal Form for the Representation |
| CAP | Common Alerting Protocol |
| Cb | Cumulonimbus |
| CFS | Climate Forecast System |
| CI | Current Intensity |
| CIMSS | Cooperative Institute for Meteorological Satellite Studies |
| CIRA | Cooperative Institute for Research in the Atmosphere |
| CMA | China Meteorological Administration |
| CMC | Canadian Meteorological Centre |
| CNKI | China National Knowledge Infrastructure |
| CoDi | Collaborative Discussion |
| CPH | Coordination Panel on Hydrology |
| DEM | Digitized Elevation Model |
| DGT | Drought Information Statements |
| DID | Department of Irrigation and Drainage |
| DMH | Department of Meteorology & Hydrology |
| DOAJ | Directory of Open Access Journals |
| DPRK | Democratic People’s Republic of Korea |
| DPWH | Department of Public Work and Highways |
| DSD | Drainage Services Department |
| DTD | DRR Technical Development |
| DWD | Deutscher Wetterdienst |
| EC | Executive Council |
| ECMWF | European Centre for Medium-Range Weather Forecasts |
| EDA | Early Dvorak Analysis |
| EFFS | Extreme Flood Forecasting System |
| EMS | Express Mail Service |
| EPS | Ensemble Prediction System |
| ESCAP | Economic Social Commission for Asia Pacific |
| ESCI | Emerging Sources Citation Index |
| ET | Expert Team |
| ET-EWS | Expert Team on Early Warning Services |
| ET-MS | Expert Team of Marine Services |
| eTRaP | Ensemble Tropical Rainfall Potential |
| EXOTICCA | Experiment on Typhoon Intensity Change in Coastal Area |
| FES | Finite Element Solution |
| FFAS | Flash Flood Alert System |
| FSM | Federated States of Micronesia |
| FTP | File Transfer Protocol |
| FVM | Finite Volume Method |
| FY | FengYun |
| GDPFS | Global Data-Processing and Forecasting System |
| GEPS | Global Ensemble Prediction System |
| GFA | General Flood Advisory |
| GISC | Global Information System Centre |
| GK2A | GEO-Kompsat 2A |
| GloSea | Global Seasonal forecasting System |
| GMT | Greenwich Mean Time |
| GP | Global Platform |
| GSM | Global Spectral Model |
| GTS | Global Telecommunication System |
| HCAI | High-resolution Cloud Analysis Information |
| HIS | Hydrometric Information System |
| HKO | Hong Kong Observatory |
| HRFCO | Han River Flood Control Office |
| HWR | Hydrology and Water Resources |
| IBF | Impact Based Forecast |
| IBTrACS | International Best Track Achieve for Climate Stewardship |
| ICAO | International Civil Aviation Organization |
| ICHARM | International Centre for Water Hazard and Risk Management |
| IDD | Information and Communications Technology, Disaster Risk Reduction |
| IDI | Infrastructure Development Institute |
| IEC | Information, Education and Communication |
| IFI | International Flood Initiative |
| IFRC | International Federation of Red Cross and Red Crescent Societies |
| IMO | International Maritime Organization |
| IN-MHEWS | International Network for Multi-Hazard Early Warning Systems |
| INFCOM | Infrastructure and Information Systems |
| IOD | Indian Ocean Dipole |
| IPERS | Integrated Precipitation Estimator using Radar and Satellite |
| IPSAS | International Public Sector Accounting Standards |
| ISSC | International Scientific Steering Committee |
| IT | Information Technology |
| IWS | Integrated Workshop |
| IWSATC | International Workshop on Satellite Analysis of Tropical Cyclones |
| IWTC | Integrated Workshop on Tropical Cyclones |
| IWXXM | ICAO Meteorological Information Exchange Model |
| JDDS | JMA Data Dissemination System |
| JMA | Japan Meteorological Agency |
| JTT | Joint Task Team |
| KICT | Korea Institute of Civil Engineering and Building Technology |
| KMA | Korea Meteorological Administration |
| KRA | Key Result Area |
| Lao PDR | Lao People’s Democratic Republic |
| LIDAR | Light Detection and Ranging |
| MET Malaysia | Malaysian Meteorological Department |
| MHA | Meteorological and Hydrological Administration |
| MHEWC | Multi-Hazard Early Warning Conference |
| MHEWS | Multi-Hazard Early Warning System |
| MJO | Madden-Julian Oscillation |
| ML | Machine Learning |
| MLIT | Ministry of Land, Infrastructure, Transport and Tourism |
| MOOC | Massive Open Online Courses |
| MS | Microsoft |
| MSS | Meteorological Service Singapore |
| MTG | MHEWS Technical Guide |
| MWR | Ministry of Water Resources |
| NCEP | National Centers for Environmental Prediction |
| NDMI | National Disaster Management Institute |
| NDMS | National Disaster Medical System |
| NESDIS | National Environmental Satellite, Data and Information Service |
| NetCDF | Network Common Data Form |
| NHM | Non-Hydrostatic Model |
| NIHWA | Nanjing Research Institute of Hydrology and Water Conservation Automation |
| NMC | National Meteorological Center |
| NMHSs | National Meteorological and Hydrological Services |
| NMSs | National Meteorological Services |
| NOAA | National Oceanic and Atmospheric Administration |
| NRL | Naval Research Laboratory |
| NTP | Numerical Typhoon Prediction |
| NUIST | Nanjing University of Information Science & Technology |
| NWP | Numerical Weather Prediction |
| NWS | National Weather Service |
| OCD | Office of Civil Defense |
| OLR | Outgoing Longwave Radiation |
| ONWR | Office of the National Water Resources |
| OSS | Online Synthesis System |
| OSS-SR | Online Synthesis System for Sustainability and Resilience |
| OSUFFIM | Operational System for Urban Flood Forecasting and Inundation Mapping |
| PAGASA | Philippine Atmospheric, Geophysical and Astronomical Services Administration |
| PAR | Philippine Area of Responsibility |
| PBL | Planetary Boundary Layer |
| PC | Personal Computer |
| PFP | Probabilistic Forecast Products |
| PITD | Pacific International Training Desk |
| POP | Perennial Operating Project |
| POSSIM | Pacific Ocean Storm Surge Inundation Modeling |
| PP | Preliminary Project |
| PTC | Panel on Tropical Cyclones |
| QC | Quality Checking |
| QPE | Quantitative Precipitation Estimation |
| QPF | Quantitative Precipitation Forecast |
| R&D | Research and Development |
| RA | Regional Association |
| RaINS | Radar Integrated Nowcasting System |
| RAP | Regional Office for Asia and South-West Pacific |
| RCCC-WBM | Research Center for Climate Change-Water Balance Model |
| RDCA | Rapidly Developing Cumulus Area |
| RI | Rapid Intensification |
| RID | Royal Irrigation Department |
| ROK | Republic Of Korea |
| RSMC | Regional Specialized Meteorological Center |
| RSMEs | Root Mean Square Errors |
| RSMT | Regional Sub-programme Management Team |
| RTC | Regional Training Centres |
| S2S-SEA | Subseasonal-to-Seasonal Southeast Asia Pilot Project |
| SAB | Satellite Analysis Branch |
| SADIS | Secure Aviation Data Information Service |
| SAREP | Satellite Report |
| SARPs | Standards and Recommended Practices |
| SATAID | SATellite Animation and Interactive Diagnosis |
| SC | Standing Committee |
| SC-DRR | Standing Committee on Disaster Risk Reduction and Public Services |
| SCS | South China Sea |
| SD | Standard Deviation |
| SEA | Southeast Asia |
| SEA RCC-Network | Southeast Asia Regional Climate Centre Network |
| SeAFFGS | Southeast Asia Flash Flood Guidance System |
| SERCOM | Services Commission |
| SF | Speedy Express |
| SG | Secretary General |
| SHIFOR | Statistical Hurricane Intensity Forecast model |
| SHIPS | (Statistical Hurricane Intensity Prediction Scheme) |
| SIGMET | Significant Meteorological Information |
| SL | Semi Lagrangian |
| SMG | Macao Meteorological and Geophysical Bureau |
| SOLA | Scientific Online Letters on the Atmosphere |
| SOP | Standard Operating Procedures |
| SP | Strategic Plan |
| SR | Sustainability and Resilience |
| SSMI | Special Sensor Microwave Imager |
| SSOP | Synergized Standard Operating Procedures |
| SST | Sea Surface Temperature |
| SSWS | Storm Surge Watch Scheme |
| STCRF | Shanghai Typhoon Collaborative Research Fund |
| STI | Shanghai Typhoon Institute |
| STIDM | Shanghai Typhoon Institute Downscaling Model |
| STS | Severe Tropical Storm |
| SW | Southwest |
| SWFP-SeA | Severe Weather Forecasting Programme-Southeast Asia |
| TAPS | Typhoon Analysis and Prediction System |
| TASI | Telecommunications and Social Informatics |
| TBD | To Be Determined |
| TC | Typhoon Committee |
| TCA | Tropical Cyclone Advisory |
| TCAC | Tropical Cyclone Advisory Centre |
| TCAP | Tropical Cyclone Activity Prediction |
| TCC | Tokyo Climate Center |
| TCHP | Tropical Cyclone Heat Potential |
| TCP | Tropical Cyclone Programme |
| TCRR | Tropical Cyclone Research and Review |
| TCS | Typhoon Committee Secretariat |
| TCs | Tropical Cyclones |
| TCTF | Typhoon Committee Trust Fund |
| TCWC | Tropical Cyclone Warning Centre |
| TD | Tropical Depression |
| TFTW | Workshop on Typhoon Forecasting Techniques |
| TIFS | Typhoon Intensity Forecast Scheme |
| TIPS | Tropical Cyclone Information Processing System |
| TLFDP | Typhoon Landfall Forecast Demonstration Project |
| TMD | Thailand Meteorological Department |
| TOM | Typhoon Committee Operational Manual |
| TOPS | Typhoon Operational Prediction System |
| TOS | Typhoon Operation System |
| TRAMS | Tropical Region Atmospheric Model System |
| TRCG | Training and Research Coordination Group |
| TS | Tropical Storm |
| TY | Typhoon Intensity |
| UAS | Unmanned Surface Vessel |
| UHSLC | University of Hawaii Sea Level Center |
| UKMO | United Kingdom Met Office |
| UN | United Nations |
| UNESCAP | United Nations Economic and Social Commission for Asia and the Pacific |
| UNORE | United Nations Operational Rate of Exchange |
| USA | United States of America |
| UTC | Coordinated Universal Time |
| VC | Video Conference |
| VCP | Voluntary Cooperation Program |
| VNMHA | Viet Nam Meteorological and Hydrological Administration |
| WAFCs | World Area Forecast Centres |
| WCM | WMO Coordination Mechanism |
| WENS | Wave Ensemble System |
| WERI | Water and Environmental Research Institute of the Western Pacific |
| WFO | Weather Forecast Office |
| WG | Working Group |
| WGDRR | Working Group on Disaster Risk Reduction |
| WGH | Working Group on Hydrology |
| WGM | Working Group on Meteorology |
| WIFS | WAFS Internet File Service |
| WIGOS | WMO Integrated Global Observing System |
| WIS | WMO Information System |
| WLG | Water Level Gauge |
| WMO | World Meteorological Organization |
| WNP | Western North Pacific |
| WRD | Working Documents |
| WWMIWS | Worldwide Met-Ocean and Warning Service |
| WWRP | World Weather Research Program |
| XML | Extensible Markup Language |