

CGMS-XXIX USA-WP-01
Prepared by USA
Agenda Item: A.5
Discussed in Plenary

USA REVIEW OF CGMS XXVIII ACTION ITEMS

Lists CGMSXXVII Actions and provides
Status of USA response to various Actions

USA REVIEW OF CGMS XXVIII ACTION ITEMS

SUMMARY LIST OF ACTIONS

September 4, 2001

(i) Permanent actions

1. All CGMS Members to inform the Secretariat of any change in the status or plans of their satellites to allow the updating of the CGMS Tables of Satellites.

Status: USA updates the CGMS Tables of Satellites as needed. Latest report on the USA satellite activities is current as of August 9, 2001.

2. The Secretariat to review the tables of current and planned polar and geostationary satellites, and to distribute this updated information, via the WWW Operational Newsletter, via Electronic Bulletin Board, or other means as appropriate.

3. EUMETSAT, Japan and USA to provide the agreed set of reporting statistics on IDCS performance and report to CGMS Secretariat and WMO on a regular basis.

Status: USA continues to provide monitoring statistics and monthly reports via the GOES DCS home page, <http://www.dcs.noaa.gov>

4. CGMS Members to update the CEOS/WMO Consolidated Database as appropriate and at each CGMS meeting (*new permanent action*).

Status: USA continues to provide updates to the CEOS/WMO Consolidated Database. See USA-WP- 20.

5. USA to keep CGMS Members regularly informed about anomalies from solar events at CGMS meetings (*new permanent action*).

Status: USA continues to inform CGMS members about anomalies and solar events. See USA-WP-06.

6. All CGMS satellite operators to review the Tables in Appendix A of WMO-WP-03 and provide any updates to WMO as appropriate and at every CGMS plenary meeting (*new permanent action*).

Status: USA continues to provide update information on the all spacecraft schedules and available services. See USA-WP-21 .

(ii) Actions from CGMS XXVIII

ACTION 28.01 Satellite operators to provide information to CMA on avoiding stray light in the radiometer.

Status: USA has some experience regarding stray light in the radiometer. In USA-WP-04 the USA offers some observations and suggests that further details may enable the USA to assist further.

ACTION 28.02 CMA to inform WMO when the FY-2B broadcast will become operational and WMO to assist with the distribution of this information by 15 December 2000.

ACTION 28.03 USA to consider options to meet the WMO requirements for satellite images in the Southern Hemisphere (half-hourly, full disc, multi-spectral) and inform CGMS Members at CGMS XXIX.

Status: See USA-WP-05.

ACTION 28.04 WMO to place USA Future Polar Orbiting Meteorological Satellite System and NPOESS presentations on the CGMS website by **15 November 2000**.

Status: NPOESS presentations currently available on the CGMS Web-site.

ACTION 28.05 USA to investigate whether global or a selection of NPOESS level 1B data can be made available to end-users in near real-time and report to CGMS XXIX.

Status: See USA-WP-09.

ACTION 28.06 China and Japan to exchange detailed information on their planned LRIT broadcasts and to inform the CGMS Members in parallel by **31 May 2001**.

ACTION 28.07 USA-WP-08 to be submitted to the Expert Team on Redesign of the Global Observing System as input for consideration and the draft Terms of References to be finalized by the Chairman of the Expert Team in preparation for their workshop.

Status: Completed.

ACTION 28.08 WMO to place the MTSAT-1R observation and dissemination schedule on the CGMS server by **15 November 2000**.

ACTION 28.09 Japan to regularly keep the CGMS Secretariat informed of potential changes in the MTSAT-1R observation and dissemination schedules.

ACTION 28.10 WMO and USA to coordinate their efforts to inform the WMO Members on the transition period from analogue WEFAX to LRIT dissemination scheme for GOES satellites and inform CGMS Members at CGMS XXIX.

Status: See USA-WP-18.

Action 28.11 CGMS Members to review the Draft CGMS Consolidated Report and to send comments to CGMS Secretariat by **30 November 2000**.

Status: USA reviewed draft CGMS Consolidated Report and provided comments to CGMS Secretariat. Completed in October 2000 during CGMS XXVIII.

ACTION 28.12 CGMS Members to review the content of WMO publication No. 411 and to provide comments and/or updates to WMO by **30 November 2000**.

Status: USA reviewed and updated WMO Publication No. 411 and provided comments to WMO. Completed 15 November 2000.

ACTION 28.13 The CGMS Secretariat to initiate the establishment of a Working Group on Precipitation, with co-sponsorship of WMO and CGMS, and to report to CGMS XXIX on progress.

ACTION 28.14 WMO to work with CGMS Secretariat to initiate the establishment of a focus group on satellite data utilisation and training within the Virtual Laboratory Framework and report back to CGMS XXIX on its findings and need for future activities in this area.

ACTION 28.15 CGMS Members, through their national representatives, shall provide to ITU (ITU-R WP 7C) all relevant information on the current status and future plans of GVAR and S-VISSR stations.

Status: See USA-WP-22.

ACTION 28.16 WMO to dispatch a questionnaire to its members to update the database of receiving stations including GVAR and S-VISSR stations and to forward the updated information to the ITU.

ACTION 28.17 Japan and USA to prepare technical inputs to the Space Frequency Coordination Group and ITU-R indicating the revision of CGMS partition agreement and to provide technical justification for this change.

Status: See USA-WP-23.

ACTION 28.18 WMO to host a task force meeting to discuss coordination of data formats and frequency planning for all polar-orbiting satellites, including their equator crossing times, **by early 2001**.

ACTION 28.19 CGMS Members located within the telecommunication coverage of MTSAT satellites to inform their responsible Telecommunication Administration (with copy to JMA) by a few months before MTSAT will be launched, that they are convinced that there would be no unacceptable interference between their systems and MTSAT satellites.

Status: See USA-WP-24.

ACTION 28.20 NOAA to inform CGMS Members on the response of ITU regarding NOAA's request to exempt meteorological satellites from the ITU cost recovery for satellite network filing.

Status: See USA-WP-25.

ACTION 28.21 NOAA to inform CGMS Members on the progress of development and implementation of the Interference Location System for the DCS.

Status: USA continues to provide continuous updates on the Interference Location System for the DCS. See USA-WP-26.

ACTION 28.22 NOAA to distribute information on the CDMA-based DCP System to CGMS Members by e-mail by **30 November 2000**.

Status: USA distributed latest information on CDMA-based DCP system to CGMS members via e-mail. Completed October 24, 2000.

ACTION 28.23 Each satellite operator to post on the CGMS homepage available relevant papers and results on satellite radiance (VIS, IR, WV) inter-comparisons in convenient format and to update them periodically throughout the period until CGMS XXIX.

Status: Completed. See USA-WP-27

ACTION 28.24 NOAA/NESDIS and EUMETSAT to report at CGMS XXIX on their monitoring procedures and practices for satellite data and products placed on the GTS.

Status: See USA-WP-31.

ACTION 28.25 WMO to report at CGMS XXIX on the future monitoring policy for the IPS.

ACTION 28.26 NOAA/NESDIS to report at CGMS XXIX on availability of SSMIS data.

Status: See USA-WP-30.

ACTION 28.27 Satellite wind producers to report at CGMS XXIX on their implementation of BUFR encoding of satellite-tracked wind products.

Status: See USA-WP-31.

ACTION 28.28 CGMS Members to provide working papers to CGMS XXIX on operational multi-spectral methods used for the height assignment of cloud-tracked winds. The analysis should also include accuracy estimates for the heights of semi-transparent clouds.

Status: See USA-WP-31.

ACTION 28.29 In view of the imminent development toward high spectral resolution measurements from geostationary orbit, CGMS XXVIII invites USA to provide a paper on wind retrievals from advanced sounding instruments to the Workshop on "Long-term future of the basic sounding and imagery missions" to be organised by WMO in conjunction with the Expert Team on Redesign of the Global Observing Systems. A report should be provided to CGMS XXIX.

Status: See USA-WP-32.

ACTION 28.30 CGMS XXVIII requests EUMETSAT to invite ESA to provide a working paper on wind retrievals from advanced sounding instruments to the Workshop on "Long-term

future of the basic sounding and imagery missions” to be organised by WMO in conjunction with the Expert Team on Redesign of the global observing systems. A report should be provided to CGMS XXIX.

ACTION 28.31 CGMS Members to report at CGMS XXIX on plans and progress of the reprocessing of satellite-tracked winds from archived image data with state-of-the-art algorithms.

Status: The USA will provide a report to the Working Group.

ACTION 28.32 CGMS Members to report on experiments on targeted observations using rapid scans and to explore the impact on NWP.

Status: The USA will provide a report to the Working Group.

ACTION 28.33 CGMS Members, performing rapid scans, to provide at CGMS XXIX an update on rapid scan schedules and applications of rapid scans including an impact assessment. This should include an NWP experiment with and without the improved winds. The analysis should also address the dependence of wind retrieval on the accuracy of the operational image navigation.

Status: See USA-WP-31.

ACTION 28.34 All satellite wind producers to provide comments to the CGMS Secretariat on the satellite wind monitoring results provided on the Web page of the EUMETSAT NWP SAF (Satellite Application Facility) (<http://www.met-office.gov.uk/sec5/NWP/NWPSAF>) by 30 August 2001.

Status: USA has used the Web Page extensively and comments were made informally via Email to the Web NWP SAF Manager.