

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

USA REVIEW OF CGMS XXIX ACTION ITEMS

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

USA REVIEW OF CGMS XXIX ACTION ITEMS

SUMMARY LIST OF ACTIONS CGMS XXIX

Permanent actions

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

Status: Closed. USA updates the CGMS Tables of Satellites as needed. Latest reports on the USA satellite activities are current as of September 10, 2002.

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: Closed. USA continues to provide monitoring statistics and monthly reports via the GOES DCS home page sub- heading "Reports": <http://dcs.noaa.gov>

4. CGMS Members to update the CEOS/WMO Consolidated Database as appropriate and at each CGMS meeting.

Status: Closed. USA continues to provide updates to the CEOS/WMO Consolidated Database. See USA-WP- 17.

5. CGMS Members to report on anomalies from solar events at CGMS meetings.

Status: Closed. USA continues to inform CGMS members about anomalies and solar events. See USA-WP-04.

6. All CGMS satellite operators to review the Transition Tables for LRIT/LRPT and provide any updates, as appropriate, at every CGMS Plenary meeting.

Status: Closed. USA continues to provide update information on all spacecraft schedules and available services. See USA-WP-18.

7. CGMS Members to update their relevant sections of the CGMS Consolidated Report as appropriate, and to send their updates to the Secretariat at least 2 months prior to every CGMS Plenary meeting.

Status: Closed. USA continues to provide updates on the relevant sections of the CGMS Consolidated Report. See USA input to CGMS Consolidated Report 26 September 2002.

Actions from CGMS XXIX

Action 29.01 USA to provide WMO with a copy of the Principal Components Analysis (PCA) report for the new GOES-12 imager channels, in order to evaluate the possibility of detecting volcanic ash clouds. Deadline: November 2001.

Status: Closed.

Action 29.02 CGMS Members to report at CGMS XXX on discussions within their organizations on the possibility of flying space environment monitoring instruments on next generation geostationary satellites.

Status: Closed. See USA-WP-05.

Action 29.03 China to provide details of its future X-band broadcast and to inform CGMS XXX how WMO Members could access FY-3 satellite data, using either low-cost user stations or alternative dissemination methods.

Action 29.04 CGMS Members to update Table XX– “Coordination of Data Formats and Frequency Planning for Polar-Orbiting Satellites”, with a view to using this table as a reference in the preparation of discussions on mission planning in the polar orbit and contingency during the WMO Consultative Meeting on High Level Policy planned in Geneva in February 2002. Deadline: December 2001.

Status: Closed. See USA-WP-21.

Action 29.05 EUMETSAT to provide CGMS Members with an outline of a discussion paper on mission planning in the polar orbit and contingency by the beginning of December 2001.

Action 29.06 CGMS Members to respond and provide inputs to this document by mid-January 2002 in view of using this paper as an input to the discussions on mission planning in the polar-orbit and contingency planned during the WMO Consultative Meeting on High Level Policy planned in Geneva in February 2002.

Status: Closed.

Action 29.07 USA to provide information on the broadcasts available from its NPP satellite to CGMS XXX.

Status: Closed. See USA-WP-07/39.

Action 29.08 EUMETSAT to provide details of its ATOVS Retransmission Service to CGMS Members by December 2001.

Action 29.09 China to provide details of its internal data retransmission system to CGMS Members by the end of December 2001.

Action 29.10 The CGMS Secretariat to make sure that a discussion on a response to GCOS requirements for Global Climate Monitoring products from geostationary satellites is included in the discussions of Working Group II – Satellite Products at CGMS XXX.

Action 29.11 WMO to host a meeting of the CGMS Working Group on Global Contingency Planning, in February 2002 following the Consultative Meeting on High Level Policy, in preparation for further discussions at CGMS XXX.

Action 29.12 CGMS Members to amend, as necessary, contact information for the CGMS Consolidated Report Drafting Committee, and inform the CGMS Secretariat accordingly. Deadline: November 2001.

Status: Closed. USA point-of-contact for the CGMS Consolidated Report is Marlin O. Perkins.

Action 29.13 CGMS Members to submit updated sections of the CGMS Consolidated Report relating to their organizations/ programs to the CGMS Secretariat, and the CGMS Secretariat to issue a Revised Version of the document on-line. Deadline: December 2001.

Status: Closed. USA updates for CGMS Consolidated Report provided at CGMS XXIX and updated 26 September 2002

Action 29.14 CGMS requests the CGMS Virtual Laboratory Focus Group to report on the development of its activities at CGMS XXX.

Status: Closed. See USA-WP-37.

Working Group I

Action 29.15 CGMS Satellite operators and WMO to coordinate with their responsible Frequency Administrations to ensure that meteorological experts participate at the meetings of ITU WP 8D (8-14 May 2002, Geneva) and ITU WP 7C (11-15 February 2002, Geneva) to support and defend meteorological applications. Deadline: January 2002.

Status: Closed. See USA-WP-20.

Action 29.16 CGMS Members to provide information on planned passive sensors using frequency bands above 275 GHz on future meteorological satellite systems. Deadline: January 2002.

Status: Closed. See USA-WP-19 sections 27 through 33.

Action 29.17 EUMETSAT to distribute the final report of the study on "Passive sensor requirements above 275 GHz" to CGMS Members. Deadline: February 2002.

Action 29.18 EUMETSAT to send a letter to ROSHYDROMET explaining the technical details related to the MSG frequency co-ordination problems. Deadline: November 2001.

Action 29.19 ROSHYDROMET to contact the responsible frequency administration in Russia to address CGMS concerns related to the notification process of MSG. Deadline: December 2001.

Action 29.20 USA to inform CGMS Members on the results of the demonstration of its interference location system (TLS). Deadline: March 2002.

Status: Closed. See USA-WP-22.

Action 29.21 CGMS further consider a four time-slot scenario and WMO provide advice on the need for sounding instruments in the 05:30 a.m. and 17:30 p.m. orbits. Deadline: CGMS XXX.

Action 29.22 USA to distribute technical information on low cost L-band antenna systems to CGMS Members. Deadline: February 2002.

Status: Closed. See USA-WP-7/39.

Action 29.23 CGMS to establish Terms of Reference for an ad-hoc Task Force on Integrated Strategy for Data Dissemination from Meteorological Satellites which will meet in Geneva prior to the next meeting of the Expert Team on Satellite System Utilization and Products. Deadline: April 2002.

Action 29.24 CGMS satellite operators to submit proposals for discussion at the ad-hoc Task Force on Integrated Strategy for Data Dissemination from Meteorological Satellites. Deadline: February 2002.

Status: Closed.

Action 29.25 WMO to inform R & D satellite operators about alternative dissemination methods, at the 2nd WMO Consultative Meeting, being held in Geneva in February 2002.

Working Group II

Action 29.26 Satellite operators to post on the CGMS homepage available relevant papers on satellite radiance (VIS, IR, WV) inter-comparisons and to start routine inter-comparisons of LEO and GEO calibrations as soon as possible, striving to post results every quarter on their own web pages. Deadline: June 2002.

Status: Closed. See USA-WP-23.

Action 29.27 The Chairman OPAG IOS is asked to bring to the attention of the CBS Management Group, as a matter of urgency, the need for a designated CBS Open Program Area Group with responsibility for the monitoring of satellite data as well as the need for an expert meeting to discuss associated issues. CGMS Members are asked to indicate their willingness, as appropriate, to participate in such a WMO planning meeting. Deadline: March 2002.

Status: Closed. Chairman of the OPAG IOS was informed of USA willingness to participate in a WMO planning meeting.

Action 29.28 WMO to report on Nowcasting user requirements and observing system capabilities and the statements of guidance resulting from a critical review of these; NOAA/NESDIS is requested to report on their experiences using the GOES sounders for Nowcasting applications; and EUMETSAT to report on its process for setting Nowcasting requirements to be met by their Meteosat Third Generation. Deadline: CGMS XXX.

Status: Closed. See USA-WP-25.

Action 29.29 EUMETSAT and USA report on their plans for developing and supporting Direct Broadcast processing packages for IASI/AVHRR/AMSU and CrIS/VIIRS/ ATMS, respectively, at ITWG (March 2002) and CGMS XXX (October 2002).

Status: Closed. See USA-WPs 7/39,33.

Action 29.30 ITWG, at its March 2002 meeting, to (a) summarize the successful characterization of problems with AMSU-A & B direct broadcast (DB) data (e.g. humidity profiles derived with

AMSU-B) and post these on a web site for DB users, (b) characterize the DB profile retrieval packages (three are known to CGMS – AAPP, IAPP, ISDAP), (c) provide an update on the status of using satellite data over land for retrievals and other products, (d) explore the quantitative use of cloud products, (e) discuss the necessity for CO₂ profile measurements for improving atmospheric temperature profile retrieval, and (f) investigate multi-satellite utilization for profile retrieval, specifically radio occultation with high spectral resolution infrared radiometers.

Status: Closed. See USA-WPs 33

Action 29.31 Satellite operators to report at CGMS XXX on their monitoring procedures and practices for satellite data and products placed on the GTS using EUM-WP-15 as an example.

Status: Closed. See USA-WP-26.

Action 29.32 CGMS to invite the EUMETSAT Nowcasting SAF to host the next IPWG meeting in 2002. Deadline: December 2001.

Action 29.33 CGMS Members to propose lists of parameters and data which should be contained in “meta-data” to accompany reprocessed data, at CGMS XXX.

Status: Closed. See USA-WP-27.

Working Group III

Action 29.34 EUMETSAT to report at CGMS XXX on the progress concerning the production of winds from rapid scans and the relevant feedback from users.

Action 29.35 JMA to report on the progress of the experiment using targeted CMW observations around Typhoons and related model impact studies at CGMS XXX.

Action 29.36 The 6th International Winds Workshop to discuss the compatibility of spatial resolution and image repeat cycle for winds tracking and to provide pertinent recommendations to CGMS satellite operators. Deadline: May 2002.

Action 29.37 The 6th International Winds Workshop to discuss the template size for tracking features in relation to the question whether the displacement vector represents a local wind vector. A pertinent recommendation should be provided to CGMS satellite operators. Deadline: May 2002.

Action 29.38 The 6th International Winds Workshop to discuss and encourage the use of geometric (and other) height allocation methods for comparison with and validation of multi-spectral infrared height assignment methods of wind vectors which are used operationally. Deadline: May 2002.

Action 29.39 The 6th International Winds Workshop to revisit the current concepts of height allocation techniques (e.g. IR-W EBBT, WV intercept, CO₂ slicing and WV EBBT) for assigning atmospheric motion vectors to a single level height and to provide relevant results to CGMS satellite operators. Deadline: May 2002.

Action 29.40 The 6th International Winds Workshop to analyze the status of the implementation of quality indicators assigned to wind vectors and to report back to CGMS on current benefit to NWP. Deadline: May 2002.

Action 29.41 All CGMS Members to provide feedback on the 'Integrated Satellite Wind Monitoring Report' to Pauline Butterworth (pauline.butterworth@metoffice.com), with copy to the Secretariat by 31 March 2002. Comments of general interest should be provided through the CGMS Wind List-Server at WMO.

Status: Closed. Closed. See USA-WP-28.

Action 29.42 USA to report on potential plans for a reprocessing of winds at CGMS XXX.

Status: Closed. See USA-WP-29.