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

USA REVIEW OF CGMS XXX ACTION ITEMS

This paper provides the USA status of actions from CGMS XXX.

USA REVIEW OF CGMS XXX ACTION ITEMS

SUMMARY LIST OF ACTIONS
CGMS XXX

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 provided a text summary of the operational geostationary and polar-orbiting spacecrafts, and confirmed USA input for CGMS Table of Satellites (March 11, 2003). Updates for the CGMS Tables of Satellites, effective September 12, 2003, were provided to the WMO.

2. 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 International Data Collection System (IDCS) performance and report to CGMS Secretariat and WMO on a regular basis.

Status: Closed. See USA-WP-16.

4. CGMS members to update the Committee on Earth Observation Satellites (CEOS)/WMO Consolidated Database as appropriate using the utility tools provided by WMO and to respond directly to WMO following the database update cycle process.

Status: Closed. See USA-WP-11.

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

Status: Closed. See USA-WP-04.

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.

Status: Closed. USA input provided to WMO on APT and WEFAX conversions September 4, 2003.

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 two months prior to every CGMS Plenary meeting.

Status: Closed. USA provided updates to the CGMS Consolidated Report on October 14, 2003.

New Permanent Actions

8. CGMS satellite operators to update Table 5 for polar-orbiting satellite equator crossing times on an annual basis.

Status: Closed. See USA-WP-19.

9. CGMS members to provide information for WMO database for satellite receiving equipment, as appropriate.

Status: Closed. See USA-WP-12.

10. CGMS members to review the list of available list servers used by CGMS groups and update as appropriate.

Status: Closed. USA provided updates to the CGMS list servers

CGMS XXX – ACTIONS

30.01 India to provide CGMS with information describing the data communication mission on METSAT, adding Noise Equivalent Delta Temperature (NEDT) values to the tables included in the document by December 2002.

30.02 USA to provide CGMS Members with detailed technical information (when available) on NPOESS receiving stations to enable them to prepare their ground segments in advance. (Deadline: When available and/or CGMS XXXI).

Status: USA will provided status of NPOESS receiving station at CGMS XXXI.

30.03 CGMS members to provide information on the data content (incl. processing level) of DB services (including data on equator crossing time) for each polar-orbiting satellite, by CGMS XXXI.

Status: USA input will be available September 19, 2003.

30.04 India, China and the Russian Federation to take into account the Tropical Cyclone Committee's request to consider the possibility of continuing and implementing, on a permanent basis, geostationary coverage of the Indian Ocean, in order to provide the necessary data in support of the national mandates of WMO members in the region and to report by CGMS XXXI.

30.05 At CGMS XXXI, all CGMS members to report on planned geostationary and low earth orbiting satellite coverage to support WMO's Tropical Cyclone programme, including distribution mechanisms for those data. For low earth orbiting systems,

this includes multi-channel imagery and sounding data and products, as well as other relevant measurements and products including sea surface temperature, altimetry, salinity, ocean surface winds and precipitation. (Deadline: CGMS XXXI)

Status: Closed. See USA-WP-09.

30.06 WMO to provide CGMS members with the requirements of the various Tropical Cyclone/Typhoon/Hurricane Committees and Panels. (Deadline: 1 February 2003)

30.07 The second session of the CGMS VL Focus Group, to be held in conjunction with 2003 WMO satellite training event in Barbados, to conduct an initial assessment of the VL and report back to CGMS XXXI. Satellite operators to support their participation as well as that of their respective Centres of Excellence at the VL Focus Group meeting. (Deadline: Barbados Training Event)

Status: Closed. See USA-WP-10.

30.08 CGMS members to update their contributions to WMO Publication No. 411 by March 2003.

Status: Closed. USA provided updates for WMO Publication 411 on April 10, 2003.

30.09 In view of the increasing use and importance of operational meteorological satellite data for climate research and monitoring, CGMS is invited i) to consider a review of current practice of satellite operators with regard to the climate monitoring principles from satellites, and ii) to provide pertinent reports at CGMS XXXI meeting. (Deadline: CGMS XXXI)

30.10 CGMS Secretariat to write to ESA, NASA, NASDA and Rosaviakosmos, inviting them as contributors to the space-based component of the GOS, to become members of the CGMS.

30.11 CGMS Secretariat to review the CGMS Terms of Reference to reflect the new membership.

30.12 CGMS members to coordinate with their national frequency authorities to promote CGMS positions on WRC-2003 and WRC-2007 agenda items. (Deadline: May 2003) 30.13

Status: Closed. See USA-WP-13.

CGMS members are urged to discuss the potential problems caused by car radar systems operating in the band 21–27 GHz with their national frequency administrations. (Deadline: May 2002)

Status: Closed. See USA-WP-15.

30.14 CGMS members to provide relevant information on frequencies used or planned for use in support of CGMS missions in the Indian Ocean region for triggering a

discussion on appropriate coordination by CGMS XXXI.

Status: Closed. See USA-WP-20..

30.15 CGMS members to update the status of LRIT/LRPT conversion as contained in Tables 7 and 8 for satellites in polar and geostationary orbit. (Deadline: 1 January 2003).

Status: Closed. USA provided input at CGMS XXX. New updates provided effective September 4, 2003.

30.16 CGMS to establish a standing Working Group, chaired by Mr. M. Rattenborg (EUMETSAT) to develop an overall strategy for convergence of planned ADMs as well as an associated implementation plan. (Deadline: CGMS XXXI)

30.17 CGMS satellite operators to reaffirm commitment to the AHRPT format for datastreams from polar-orbiting satellites. (Deadline: 1 January 2003)

Status: Closed. USA reaffirmed their commitment to the AHRPT Global specifications for NPOESS LRD and HRD data streams. See USA-WP-08&21.

30.18 CGMS members to consider FWIS as well as the WMO Core Metadata profile within the context of the ISO Standard for Geographic Metadata (ISO 19115), when changing/implementing processing and dissemination systems (after FWIS approval). (Deadline: CGMS XXXI)

Status: Closed. See USA-WP-22.

30.19 Satellite operators should provide a summary of solar calibration approaches for GEO and LEO sensors (research as well as operational) at the next CGMS. The recent results of Moderate Resolution Imaging Spectroradiometer (MODIS) and MERIS visible calibration should be reported and possible opportunities for intercalibration with other less well calibrated sensors should be explored. (Deadline: CGMS XXXI)

Status: Closed. See USA-WP- 23 and USA-WP-30.

30.20 EUMETSAT to invite scientists participating in CHAMP to submit a report on sounding experiences at the next CGMS. (Deadline: CGMS XXXI).

30.21 CGMS should initiate a workshop wherein an inventory of the calibration of all sensors is established (including sensor performance over time, sensor operation,.82 calibration algorithm adjustment, sensor to sensor intercomparisons, collocated radiosonde observations etc.). Moreover, this workshop should help space agencies to make plans to deploy such methods in current and planned operational systems. (Deadline: Before CGMS XXXI).

30.22 Space agencies are invited to report at the next CGMS on their approaches to produce satellite data for climate purposes. (Deadline: CGMS XXXI).

30.23 Space agencies are invited to establish focal points to ensure that: (a) ingest and pre-processing code for future advanced instrument (in particular sounders and their complementary imagers) is provided, in a form suitable for use with locally-received direct read-out data, and yielding output consistent with global data, and (b) activities are undertaken to integrate this code into processing packages available for international distribution in a timely manner. In addition, these focal points should provide sensor status, navigation and frequently-updated calibration information in a timely manner to users and developers and facilitate efforts to minimise the differences between the global and local calibrated and navigated data. (Deadline: CGMS XXXI).

30.24 Data providers are invited to report at next CGMS on their current use of and plans to use NWP monitoring results in their quality monitoring activities. (Deadline: CGMS XXXI).

Status: Closed. See USA-WP-24.

30.25 IPO is invited to inform ITWG members, through the ITWG list server, of the location of draft specifications of raw data records and sensor data records for NPOESS/NPP instruments. The ITWG co-chairs will co-ordinate feedback to IPO from ITWG members on the draft specifications (content and format) for the raw data records and sensor data records for NPOESS/NPP instruments. (Deadline: Before ITSC-13 in October 2003).

Status: Closed. See USA-WP-06&25.

30.26 WCRP is invited to provide further clarification on the requirements for combined infrared and microwave surface skin temperature products and for climate and ocean applications. (Deadline: CGMS XXXI).

30.27 CGMS members to provide an inventory of routinely produced precipitation estimates, either operational or experimental/research, to the IPWG co-chairs, Arnold Gruber and Vincenzo Levizzani. A template for the responses can be found on the IPWG website. (Deadline: February 2003).

Status: Closed. Responses received from Drs. R. Scofield, M. Kuligowski and A. Gruber.

30.28 AOPC is invited to consider the consolidated list of metadata (including time of observation, Earth location, observation angles, spectral channel response, calibration coefficients, and field of view size as well as the associated error in each parameter) and to comment on its adequacy for their applications. (Deadline: CGMS XXXI).

30.29 ESA/ESRIN is invited to present a paper at the next CGMS on their approach to science data stewardship. (Deadline: CGMS XXXI).

30.30 NOAA/NESDIS is invited to report on the 'auto-nowcaster' at CGMS XXXI. (Deadline: CGMS XXXI).

Status: Closed. See USA-WP-26.

30.31 The co-chairs of IWW7 are requested to invite representatives of the regional scale modelling community to the next IWW. (Deadline: October 2003).

Status: Closed. The co-chairs of IWW will invite representatives of the regional-scale modelling community to the IWW7. The first announcement was recently sent out, and the meeting, which was previously scheduled for October 2003, is now set for June 2004. So, in this regard, it is a bit too soon for formal invitations.

30.32 IWW7 is invited to establish an inventory of all height assignment methods used for low-, medium- and high-level AMVs. (Deadline: October 2003).

Status: Closed. See USA-WP-27.

30.33 NOAA/NESDIS is invited to present a paper on AMVs from both MODIS instruments on Terra and Aqua satellites, respectively, at IWW7. (Deadline: October 2003).

Status: Closed. See USA-WP-28.

30.34 CGMS invites WMO's OPAG/IOS to establish jointly with the NWP community reanalysis requirements for reprocessing of satellite data and products. (Deadline: December 2003).

30.35 Roshydromet, JMA and NOAA/NESDIS to discuss usage of some DCS channels on GMS-5 and/or GOES-9 for processing by Roshydromet with the expectation that the DCPs would be part of the World Weather Watch and processing be eventually resumed by GOMS N2. WMO to assist. (Deadline: 1 January 2003 for discussions and exchange of information).

Status: Closed. USA suggested JMA and RF consider using direct readout ground stations to obtain DCP information in near realtime.

30.36 CMA to confirm its plans for polar-orbiting satellites and in particular its willingness to consider the possibility of using the PM orbit while taking into account its respective national requirements. (Deadline: 1 January 2003).

30.37 WMO to inform CBS at its 2002 session in Cairns, Australia and the WMO Congress of the recent new developments in contingency planning by CGMS satellite operators. *(Deadline: 7 December 2002 and May 2003 respectively).*

30.38 WMO to develop a detailed description of the goal for data, product and services expected from each of the nominal positions for both polar and geostationary orbits for use in contingency planning. (Deadline: CGMS XXXI).