

CGMS XXXII NOAA-WP-01
Prepared by NOAA
Agenda Item: A.5
Discussed in Plenary

NOAA REVIEW OF CGMS XXXI ACTION ITEMS

This paper provides the NOAA status of actions from CGMS
XXXI.

NOAA REVIEW OF CGMS XXXI ACTION ITEMS

SUMMARY LIST OF ACTIONS FROM CGMS XXXI

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. Input provided via e-mail.

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 NOAA 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 NOAA-WP- 18.

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: Open. NOAA-WP-15 withdrawn.

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

Status: Closed. See NOAA-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. Input provided via e-mail.

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. Input provided at CGMS XXXI. NOAA input will be available in September 2004.

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

Status: Closed. Input provided via e-mail.

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

Status: Closed. See NOAA-WP-16.

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

Status: Closed. Input provided via e-mail.

New Permanent Action

11. CGMS Members to update the Table on polar orbiting satellite equator crossing times as well as the Table on coverage from geostationary satellites.

Status: Closed. Input provided via e-mail.

(i) Outstanding Actions from CGMS XXX

- 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). *Ongoing. Report on FWIS status in WMO-WP-23. See also NOAA-WP-22.*
- 30.33 NOAA/NESDIS is invited to present a paper on AMVs from both MODIS instruments on Terra and Aqua satellites, respectively, at IWW7. *Ongoing. A paper will be presented at IWW7 in June 2004.*
- 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. *Ongoing. This will be an agenda item at next session of OPAG IOS Expert Team on Satellite Systems Utilization planned in 2004. No session has taken place since CGMS XXX due to financial constrains.*

(iii) Actions from CGMS XXXI

- 31.01 Following a request expressed at a EUMETSAT workshop with Arab countries in February 2003, EUMETSAT made a request that India make METSAT data available to Arab region countries. India indicated that this might be possible through the planned use of a Worldspace broadcast satellite. More details would be provided in due course. Deadline: CGMS XXXII
- 31.02 NOAA to consider maintaining the GEO coverage (including sounder data) in the Pacific region and not de-orbit the GOES-8 satellite.
- Status: Closed. See NOAA-WP-08.
- 31.03 NOAA to study the request for data coverage sounder in the southern hemisphere from GOES-9. Current requirements came from N.W.S. Deadline: CGMS XXXII
- Status: Closed. See NOAA-WP-09.
- 31.04 New members of CGMS to provide information on their R&D satellites. Deadline: CGMS XXXII
- Status: Open.
- 31.05 NOAA to regularly inform CGMS and the World Meteorological Organization (WMO) on the technical specifications for the L-band and X-band direct readout broadcast services on NPOESS. Deadline: CGMS XXXII
- Status: Open. NOAA-WP-06 withdrawn.

31.06 WMO to propose a template to contain detailed information on CGMS satellite systems (incl. the R&D satellites), noting data available in the CEOS database. Deadline: 31 December 2003

31.07 CGMS Members to complete the required information in the template by CGMS XXXII. Deadline: CGMS XXXII

Status: Closed.

31.08 GMS Members to consider continued geostationary coverage over the Indian Ocean beyond 2005 in order to provide WMO Members the necessary satellite data in support of their national mandates. Deadline: CGMS XXXII

Status: Closed. See NOAA-WP-10.

31.09 CGMS members to consider processing of functioning satellite instruments as long as possible. Deadline: CGMS XXXII.

Status: Closed. See NOAA-WP-11.

31.10 R&D satellite operators are encouraged to make their data available for routine near real time use. Deadline: CGMS XXXII

Status: Open.

31.11 CGMS satellite operators to consider the IOC satellite requirements, especially the data dissemination methods, incorporating also the ongoing formations of GRAs. Deadline: CGMS XXXII.

Status: Closed. See NOAA-WP-12.

31.12 CGMS Members to indicate activities towards completion of the actions and timetable described in the Implementation Plan for the Virtual Laboratory, approved by CGMS-XXIX and contained as Appendix B to WMO-WP-17. Deadline: CGMS XXXII.

Status: Closed. See NOAA-WP-13.

31.13 CGMS Members to support, as appropriate, the second session of the CGMS VL Focus Group to be held 15-16 December, 2003 in Barbados. Deadline: 16 December 2003

Status: Closed. See NOAA-WP-14.

31.14 CGMS Members were asked to update their contact information for the CGMS Consolidated Report Drafting Committee and for the new CGMS members to nominate a point of contact for the Drafting Committee.
Deadline: 31 December 2003

Status: Closed. Input provided via e-mail.

31.15 The CGMS Secretariat was tasked to develop a new structure for the CR.
Deadline: CGMS XXXII

31.16 CGMS members to form a focus group to examine further the Global Education and Science Network Focus Group to meet before CGMS XXXII and present a way forward at CGMS XXXII.

Status: Closed. Focus Group contacted, response provided via e-mail.

31.17 CGMS Secretariat to invite CNES to CGMSXXXII.

31.18 CGMS Members to notify the ITU (if required) before 1 January 2004 of those Met-Sat Earth Stations operating in the band 1670 – 1675 MHz.
Deadline: 31 December 2003

Status: Closed. Input provided via e-mail.

31.19 KARI to take into account ITU Recommendation SA.1158 when finalising its downlink frequency plan for the meteorological payload of the planned Geostationary satellite. Deadline: CGMS XXXII

31.20 CGMS members are invited to raise the problems of a potential implementation of Short Range Radar equipment operating in the frequency band 21 – 27 GHz with their responsible national frequency administrations. Deadline: 31 January 2004

Status: Closed. Input provided via e-mail.

31.21 KARI and CMA to co-ordinate their frequency plans for FY-2 at 123° East and the planned Korean spacecraft COMS, to be operated at 116° East.

31.22 NOAA to provide more precise details of its requirement for the temporary use of I DCS channels to assist the transition of DCP operators to HDR systems, including a schedule of implementation. Deadline: CGMS XXXII

Status: Closed. See NOAA-WP-17.

31.23 WMO and IOC are tasked with a review of requirements for the IDCS in the near and long term (up to 15 years). Deadline: CGMS XXXII

- 31.24 Satellite operators to nominate experts that will organize and participate in a workshop in 2004 on visible and infrared calibration of operational and R&D sensors in coordination with the CEOS CAL/VAL Working Group. Deadline: 31 December 2003

Status: Closed. Dr. Fred Wu nominated.

- 31.25 Satellite operators to generate a bibliography of calibration papers/reports and submit them at the next CGMS. Deadline: CGMS XXXII

Status: Closed. See NOAA-WP-19.

- 31.26 Satellite operators to present papers at the next CGMS relating experiences using R&D sensors (such as AIRS, MODIS, MERIS, MISR, MTVZA, ...) to improve calibration of operational sensors). Deadline: CGMS XXXII

Status: Closed. See NOAA-WP-20.

- 31.27 EUMETSAT to request, in written form, from all geostationary satellite operators (hourly) VIS channel observations for a common period of one month in late 2002 when MODIS, MISR and MERIS data are also available. Deadline: 30 November 2003

- 31.28 All geostationary satellite operators to provide the VIS data requested according to Action 31.23 to EUMETSAT. Deadline: 31 January 2004

Status: Closed. Input provided via e-mail.

- 31.29 (1) CGMS Members to note and support the upcoming IPWG science meeting. (2) CGMS Members to provide and update the inventory of routinely produced precipitation estimates, either operational or experimental/research, along with training information to the IPWG co-chairs via the IPWG web page. (3) CGMS Members to provide information to the IPWG Rapporteur on areas for future consideration by the IPWG. Deadline: 31 May 2004

Status: Closed. See NOAA-WP-21.

- 31.30 Satellite operators to review the satellite data BUFR descriptors in the WMO Codes Forms used for exchange of satellite data (as detailed in [WMO-WP-10](#)) and provide suggestions, remarks, or requests as necessary to the WMO Satellite Programme for communication to the CBS Chair OPAG ISS. Deadline: CGMS XXXII

Status: Closed. See NOAA-WP-22.

- 31.31 Satellite operators to report on their plans to consider the metadata recommendations in [EUM-WP-22](#) when re-transcribing their data archives. Deadline: CGMS XXXII.

Status: Closed. See NOAA-WP-23.

31.32 All space agencies to provide information specifically addressing the ten GCOS climate monitoring principles related to the space based component of the Global Observing System in a manner similar to EUM-WP-10. Deadline: CGMS XXXII

Status: Closed. See NOAA-WP-24.

31.33 CGMS XXXI requests IWW7 to address the following AMV related topics within the break-out working groups at IWW7 and/or on the basis of contributed papers to IWW7:

- Meso-scale and nowcasting applications
- Regional scale modeling
- Height assignment
- Polar winds
- Rapid scans
- Re-analysis of AMVs
- AMV versus radiance assimilation in 4-d var systems
- Upper level wind divergence (climatologies and other applications)
- Image pre-processing (e.g. cloud filtering)
- Deadline: 30 June 2004

Status: Closed. Input provided via e-mail.

31.34 CGMS XXXI requests NESDIS to consider submission of paper to IWW7 on preparatory work on the derivation of AMVs from high-spectral resolution IR sounding instruments (e.g. GIFTS). Deadline June 2004

Status: Closed. See NOAA-WP-25.

31.35 CGMS to request that Windsat Coriolis evaluation be performed in the manner similar to AIRS (with distribution of data sets for outside evaluation as soon as possible) as a matter of urgency. NOAA is asked to report on pertinent steps at the next CGMS.

Status: Closed. See NOAA-WP-26.

31.36 CGMS satellite operators to inform CGMS XXXII on plans to achieve the goal that all geostationary imagers should be upgraded to at least the level of SEVIRI by the 2015 timeframe; and frequent IR sounding should be made by high resolution spectrometers within the same timeframe. Deadline: CGMS XXXII

Status: Closed. See NOAA-WP-29.

31.37 EUMETSAT, NESDIS and WMO to prepare a paper on the International Geostationary Laboratory (IGL) that would be a joint undertaking to provide a platform for demonstrations from geostationary orbit of new sensors and capabilities. Deadline: CGMS XXXII

Status: Closed. See NOAA-WP-30

- 31.38 ESA to report to CGMS XXXII on its activities related to a MW sounder from geostationary orbit. Deadline: CGMX XXXII
- 31.39 CGMS Secretariat and WMO to assemble all materials related to Global Contingency Plans, including those found in CGMS and in WMO reports, and consolidate them into a CGMS Global Contingency Plan.
- 31.40 EUMETSAT & NESDIS to investigate whether due to the increased dissemination bandwidth on NPOESS L-band the frequency overlap issues could cause any problems for operational orbit scenarios. Deadline: CGMS XXXII
- Status: Open. See NOAA-WP-32.
- 31.41 NESDIS to raise the issue of using the full ISO standard in the framework of the FWIS inter programme task team. Deadline: 31 September 2004
- Status: Closed. Input provided via e-mail.
- 31.42 NESDIS to provide CGMS with further details of its MCUT development. Deadline: CGMS XXXII
- Status: Closed. See NOAA-WP-33.
- 31.43 WMO to propose a modification to the layout of the LRIT transition tables to take ADM into account. Deadline: 31 December 2003
- 31.44 CGMS members to provide required information to WMO. Deadline: CGMS XXXII
- Status: Closed. Input provided via e-mail.
- 31.45 CGMS Members to note ongoing and planned implementations of the Alternative Dissemination Methods (ADM) concept.
- Status: Closed. See NOAA-WP-34.
- 31.46 CGMS members to note that the ADM concept also allows for a seamless addition of operational information of data and products from relevant R&D environmental satellites.
- Status: Closed. See NOAA-WP-34.
- 31.47 CGMS members to indicate actions enabling global networking of the ADM implementations in view of a smooth exchange of specific ADM contents among differing ADM systems.
- Status: Closed. See NOAA-WP-34.

31.48 CGMS members to consider the FWIS concept (notion of DCPC, catalogue/metadata standards, protocols) when changing/implementing processing and dissemination systems.

Status: Closed. See NOAA-WP-34.

31.49 CGMS members to consider WMO Core Metadata profiles within the context of the ISO Standard for Geographic Metadata (ISO 19115).

Status: Closed. See NOAA-WP-34.

31.50 CGMS members to actively pursue the issue of ADM on a global basis and to ensure the interoperability of those systems. Deadline: CGMS XXXII

Status: Closed. See NOAA-WP-34.

31.51 WMO to report on the output of the questionnaire to CGMS. Deadline: CGMS XXXII

31.52 All CGMS operators to provide CGMS with information on their plans for the Introduction of LRIT broadcasts on a regular basis.

Status: Closed. See NOAA-WP-31.

31.53 CGMS Members to consider the use of off-the-shelf components for ADM user stations because this would allow easier adaptation of the station to match future growth in the dissemination system and to accommodate changing user requirements and report to CGMS XXXII. Deadline: CGMS XXXII

Status: Closed. See NOAA-WP-34.

31.54 CGMS to investigate further data protection techniques appropriate for a global “alternative distribution system”.