



CGMS-37 NOAA-WP-01  
V2, 06 October 2009  
Prepared by NOAA  
Agenda Item: A.1  
Discussed in Plenary

## SUMMARY LIST OF ACTIONS FROM CGMS XXXVI

NOAA response to actions from CGMS XXXVI.

## **Summary List of Outstanding CGMS Actions and Recommendations**

### **A. Permanent Actions**

**Permanent 01:** 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. 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. CGMS satellite operators to update table 7 for polar-orbiting satellite equator crossing times on an annual basis. CGMS Members to update the table on polar-orbiting satellite equator crossing times as well as the table on coverage from geostationary satellites.

Status: See NOAA-WP-02&03, 05&06

**Permanent 02:** CGMS Members to report on anomalies from solar events at CGMS meetings.

Status: See NOAA-WP-04

**Permanent 03:** CGMS Members to provide information for the WMO database of satellite receiving equipment, as appropriate.

Status: NOAA responded via e-mail.

**Permanent 04:** CGMS Members to review the list of available list servers used by CGMS groups and update as appropriate.

Status: NOAA responded via e-mail.

**Permanent 05:** CGMS satellite operators to consider the IOC satellite requirements, especially the data dissemination methods, bearing in mind the ongoing formations of GOOS Regional Alliances (GRAs).

Status: Closed for NOAA

### **B. Actions from CGMS-35**

**Action 35.01:** NOAA to provide more detailed information on the DMSP satellite system.

Status: See NOAA-WP-02&03

**Action 35.11:** CGMS Members to nominate points of contact to support the CGMS website editorial committee.

Status: Closed. Point of contact is Todd Harding, [todd.harding@noaa.gov](mailto:todd.harding@noaa.gov)

**Action 35.31:** NOAA and EUMETSAT to study possibilities for the use of NPOESS ground infrastructure to improve the timeliness of Metop data, within the framework of the JPS discussions and report findings to CGMS.

Status: See NOAA-WP-30. NOAA and EUMETSAT have exchanged letters agreeing to expand the IJPS partnership to include using the NPOESS ground infrastructure at McMurdo Station, Antarctica to improve the timeliness of Metop data. An initial operational capability is planned for 2011.

**Action 35.32:** CGMS Members involved in the IGDDS to consider applying as DCPSs within the context of the IGDDS and WIS, in consultation with WMO.

Status: See NOAA-WP-29

### **C. Actions from CGMS-36**

**Action 36.03:** CGMS agencies with current and/or future geostationary programmes to review CGMS-36 NOAA-WP-21 (Characterisation of future channels and sensors for fire monitoring, WGII), and to complete an assessment on the level of compliance to the recommendations in the Working Paper.

Status: NOAA is compliant, no further report necessary.

**Action 36.04:** The VLMG co-Chairs to set in place the procedure to recruit the technical support officer whose list of duties were presented in the Working Paper and to report to CGMS-37

Status: See NOAA-WP-08

**Action 36.11:** CGMS members should implement the IDCS frequency allocation plan change in their systems and update the associated documentation and webpages. The Secretariat will update the IDCS Users' Guide.

Status: NOAA reviewed the Attached IDCS User's Guide and highlighted its comments in 'blue'. Further, NOAA would like to inform CGMS on the planned use of the newly assigned international frequency bands. NOAA has obtained use of the International channels I1 through I11 through an agreement with the CGMS to disburse some of the international channels to the three partners in the International Data Collection System. Of the eleven channels, one channel is already being used for tsunami warnings around the hemisphere. International Channel 8 (domestic channels 215 and 216) has been designated for use by the International Tsunami Warning networks. Two other channels are in testing use, under a plan to deploy them for domestic use. Most transmitters in the US apply a different certification standard for international use than those used for domestic applications. NOAA is working with users and manufacturers to redefine the International Band, and to adapt those transmitters to recognize the new role of the channels assigned to NOAA. NOAA is also releasing new certification standards to redefine a channel as .75 kHz instead of the current 1.5 kHz (Version 2 High Data Rate). While some of these channels are needed right

away, NOAA is making an effort to reserve some channels for Version 2 High Data Rate use, expected to begin within the next year.

**Action 36.12:** NOAA to facilitate the setting up of a small Working Group comprising CGMS representatives to encourage public access of agency satellite datasets for nowcasting applications.

Status: Meeting will be held at the ITWG meeting in April 2010 at Monterrey, California.

**Action 36.13:** All CGMS Members to make available the instrument characterisation of their imaging and sounding instruments in polar and geostationary orbit, in particular the spectral response functions. This should include both the currently operational as well as all previous instruments. It is sufficient to make available the web link where the instrument characterisation data can be found.

Status: See NOAA-WP-15

**Action 36.14:** GSICS to finalise recommendations for its instrument performance monitoring website.

Status: See NOAA-WP-11&14

**Action 36.13:** All CGMS Members to make available the instrument characterisation of their imaging and sounding instruments in polar and geostationary orbit, in particular the spectral response functions. This should include both the currently operational as well as all previous instruments. It is sufficient to make available the web link where the instrument characterisation data can be found. Deadline: 30 May 2009

Status: See NOAA-WP-15

**Action 36.15:** GSICS, in consultation with CEOS WG Cal/Val, to finalise development of guidelines for prelaunch instrument characterization.

Status: Completed. Report was completed by NIST.

**Action 36.16:** CGMS agencies to provide URL addresses of satellite-based climate datasets to the CGMS Secretariat for posting on the CGMS website.

Status: See NOAA-WP-16

**Action 36.19:** Satellite operators deriving AMVs to summarise their methods and ways to characterise the AMV errors, with emphasis on the height assignment error.

Status: See NOAA-WP-21

**Action 36.20:** CGMS Members to present WPs to CGMS-37 describing their processes for product development, verification and implementation into operations, as well as the process for continuous improvement.

Status: See NOAA-WP-17

**Action 36.29:** NOAA to provide CGMS with more information on the reception of GOES-R data sets

Status: Working paper withdrawn. GOES-R Program is evaluating this action.

**Action 36.30:** NOAA to consider options for a multi-cast service in support of the dissemination of GOES-R data and products and inform CGMS accordingly.

Status: Working paper withdrawn. GOES-R Program is evaluating this action.

#### **D. Recommendations from CGMS 36**

**Recommendation 36.01:** CGMS Satellite Operators to keep the WMO Space Program Office informed of updates of their programs, satellite and instrument plans to allow the Space Program Office to incorporate this factual information into Volume I, II and III of the Dossier on the Space-based Global Observing System, as appropriate.

Status: Update to be provided at CGMS-37

**Recommendation 36.04:** CGMS satellite operators are invited to take the Vision of the GOS into account when developing their own planning and to report at the next meeting of CGMS on their initiatives to respond and contribute to its implementation.

Status: Update to be provided at CGMS-37

**Recommendation 36.07:** CGMS Members to continue their coordination of international efforts in securing collection of space-borne “snapshots” of the Polar Regions during the IPY and to give further consideration to the establishment of a preliminary structure for sustaining observations in the future, with the goal to achieve a Polar Satellite Constellation as a significant part of the IPY legacy.

Status: Update to be provided at CGMS-37

**Recommendation 36.10:** CGMS Members to pursue the provision of further satellite data of common interest via ADDE servers for training and scientific cooperation activities and to report back to CGMS-37.

Status: See NOAA-WP-23

**Recommendation 36.11:** The GSICS Executive Panel to consider establishing in 2009 an end-to-end demonstration toward an operational GSICS by including beta-users in the GSICS process.

Status: See NOAA-WP-07

**Recommendation 36.12:** All CGMS Members are encouraged to actively participate in GSICS by sending delegates to the Executive Panel meetings, and also to participate in the GSICS Research and Data Working Groups. This invitation addresses, in particular, the research space agencies that are planning long-term missions and data analyses for climate applications.

Status: Update to be provided at CGMS-37

**Recommendation 36.13:** GSICS GPRCs should compare geostationary observations with both AIRS and IASI to demonstrate consistency and relative stability of AIRS and IASI.

Status: See NOAA-WP-13

**Recommendation 36.14:** CGMS Agencies to support aircraft campaigns and other methods for using reference observations to provide independent assessment of the absolute accuracy of satellite observations. Comparisons should be periodic (at least annually) and each campaign needs to be tied to a SI traceable reference.

Status: Update to be provided at CGMS-37

**Recommendation 36.15:** In view of the most recent studies showing the great benefit of hyperspectral sounding to predict the onset of severe weather with much longer lead times and the potential for climate monitoring and improved satellite intercalibration, CGMS sees a firmly established need to fly hyperspectral sounders on next-generation geostationary satellites.

Status: Update to be provided at CGMS-37

**Recommendation 36.16:** CGMS Members to provide Working Papers addressing the seven top concerns of ITWG, as listed in the CGMS-36 WG II Report.

Status: See NOAA-WP-16

**Recommendation 36.18:** CGMS Members consider ways to provide additional financial support for attendance at CGMS Science Working Group Meetings, particularly for those participants coming from developing and least developed countries.

Status: Update to be provided at CGMS-37

**Recommendation 36.19:** CGMS Members provide and update the inventory of routinely produced precipitation estimates, either operational or experimental/research, and investigate common methods to describe their error characteristics.



Status: See NOAA-WP-19

**Recommendation 36.20:** CGMS Members continue to provide data necessary for global, 4-km IR data-products in a timely manner to precipitation product producers.

Status: See NOAA-WP-19

**Recommendation 36.22:** All CGMS members are encouraged to continue or to commence participation in the CGMS AMV intercomparison using the specific MSG image data.

Status: Update to be provided at CGMS-37

**Recommendation 36.23:** CGMS agencies to report on the height assignment of AMV cloud tracers using additional information on cloud characteristics.

Status: See NOAA-WP-22

**Recommendation 36.25:** CGMS Members should actively participate in THORPEX field programs and become engaged in the planning and execution of those programs.

Status: Update to be provided at CGMS-37

**Recommendation 36.26:** CGMS Members should support the YOTC concept and objectives and, in particular, encourage satellite agencies to facilitate access to relevant satellite data sets and help provide the verification data and products needed to make this project a success.

Status: Update to be provided at CGMS-37

**Recommendation 36.27:** CGMS Members to identify a point of contact to aid in the development of a comprehensive satellite component to the YOTC and for further detailed discussion of satellite requirements to support YOTC.

Status: Update to be provided at CGMS-37

**Recommendation 36.28:** CGMS Members to consider their participation in the Task Force on Satellite Data Codes to ensure broad and permanent representation of CGMS members.

Status: Update to be provided at CGMS-37