

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

## **REVIEW OF ACTION ITEMS RESULTING FROM CGMS-XXIX**

The present document prepared by the CGMS Secretariat describes the status of completion of actions by the various CGMS Members as of 22 October 2002 according to the information provided by the Members to the Secretariat.

***Action Item***

***Comments on the Action Item***

***Action Status***

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

*Completed in Nov 2002. PCA paper distributed to WMO and all CGMS Members.*

**CLOSED**

**29.02** CGMS Members to report at CGMS XXX on discussions within their organisations on the possibility of flying space environment monitoring instruments on next generation geostationary satellites. (working paper)

*Completed by USA see CGMS-XXX USA-WP-05. Completed by EUMETSAT (no input).*

**CLOSED**

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

*Completed. Input provided to WMO.*

**CLOSED**

**29.04** CGMS Members to provide WMO with updates to Table 1(WMO-WP-06) – “Coordination of Data Formats and Freq. Plan. 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 Feb 2002.

*Completed. Documents provided in view of preparation of CGMS working group that met on 20 February 2002 in Geneva.*

**CLOSED**

<i>Action Item</i>	<i>Comments on the Action Item</i>	<i>Action Status</i>
<b>29.05</b> 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.	<i>Completed. Paper sent by e-mail to all CGMS Members on 10 December 2001.</i>	<b>CLOSED</b>
<b>29.06</b> CGMS M. 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 Feb 2002.	<i>Completed. WMO produced the W/P for the Consultative Meeting of 18-19 Feb. 2002 (see CGMS-XXX WMO-WP-15).</i>	<b>CLOSED</b>
<b>29.07</b> USA to provide information on the broadcasts available from its NPP satellite to CGMS XXX.	<i>Completed. See CGMS-XXX USA-WP-07.</i>	<b>CLOSED</b>
<b>29.08</b> EUMETSAT to provide details of its ATOVS Retransmission Service to CGMS Members by December 2001.	<i>Completed. Email sent to CGMS Members on 8 March 2002 with STG document + Powerpoint Presentation.</i>	<b>CLOSED</b>
<b>29.09</b> China to provide details of its internal data retransmission system to CGMS Members by the end of December 2001.	<i>Completed. E-mail to all CGMS Members sent on 3Jun2002.</i>	<b>CLOSED</b>

<i>Action Item</i>	<i>Comments on the Action Item</i>	<i>Action Status</i>
<b>29.10</b> 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.	<i>Completed. Included in the CGMS XXX draft agenda.</i>	<b>CLOSED</b>
<b>29.11</b> 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.	<i>Completed. The meeting was held on 20 February 2002, in Geneva (CGMS-XXX WMO-WP-05).</i>	<b>CLOSED</b>
<b>29.12</b> CGMS Members to amend, as necessary, contact information for the CGMS Consolidated Report Drafting Committee, and inform the CGMS Secretariat accordingly.	<i>Completed by Russia in an e-mail of 160702</i>	<b>CLOSED</b>
<b>29.13</b> CGMS Members to submit updated sections of the CGMS Consolidated Report relating to their organisations/ programmes to the CGMS Secretariat, and the CGMS Secretariat to issue a Revised Version of the document on-line.	<i>Completed. See CGMS-XXX EUM-WP-08.</i>	<b>CLOSED</b>
<b>29.14</b> CGMS requests the CGMS Virtual Laboratory Focus Group to report on the development of its activities at CGMS XXX.	<i>Completed. By Russia, WMO, USA and JPN. Russia e-mail 160702: no activities, CGMS-XXX WMO-WP-17, CGMS-XXX USA-WP-37, CGMS-XXX JPN-WP-11.</i>	<b>CLOSED</b>

<i>Action Item</i>	<i>Comments on the Action Item</i>	<i>Action Status</i>
<b>29.15</b> CGMS Satellite operators and WMO to co-ordinate 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	<i>Completed. R Wolf, EUMETSAT, JM Rainer, WMO, and D Franc, NWB NOAA attended the WP8D.</i>	<b>CLOSED</b>
<b>29.16</b> CGMS members to provide information on planned passive sensors using frequency bands above 275 GHz on future meteorological satellite systems.	<i>Completed by Russia, USA, EUMETSAT. See CGMS-XXX USA-WP-19, CGMS-XXX EUM-WP-13.</i>	<b>CLOSED</b>
<b>29.17</b> EUMETSAT to distribute the final report of the study on "Passive sensor requirements above 275 GHz" to CGMS members.	<i>Completed. Report sent by e-mail on 6 February 2002 to all CGMS Members.</i>	<b>CLOSED</b>
<b>29.18</b> EUMETSAT to send a letter to ROSHYDROMET explaining the technical details related to the MSG frequency co-ordination problems.	<i>Completed. Letter sent by EUMETSAT on 30 October 2001.</i>	<b>CLOSED</b>
<b>29.19</b> ROSHYDROMET to contact the responsible frequency administration in Russia to address CGMS concerns related to the notification process of MSG.	<i>Completed. Letter received from ROSHYDROMET and letter of thanks sent by EUMETSAT on 30 April 2002.</i>	<b>CLOSED</b>

<i>Action Item</i>	<i>Comments on the Action Item</i>	<i>Action Status</i>
<b>29.20</b> USA to inform CGMS members on the results of the demonstration of its interference location system (TLS).	<i>Completed. E-mail of 15/5/02 to all CGMS Members enclosing report.</i>	<b>CLOSED</b>
<b>29.21</b> CGMS further consider a four time-slot scenario and that WMO provide advice on the need for sounding instruments in the 05:30 a.m. and 17:30 p.m. orbits.	<i>Completed. Included in the CGMS XXX draft agenda. See also CGMS-XXX WMO-WP-05.</i>	<b>CLOSED</b>
<b>29.22</b> US to distribute technical information on low cost L-band antenna systems to CGMS members.	<i>Completed. See CGMS-XXX USA-WP-39.</i>	<b>CLOSED</b>
<b>29.23</b> CGMS to establish TOR for an ad-hoc Working Group on Integrated Strategy for Data Dissemination from Meteorological Satellites which will meet in Geneva prior to the meeting of the Expert Team on Redesign of the GOS.	<i>Completed. TOR agreed in meeting held in Geneva on 29 Apr, 2002. See CGMS-XXX WMO-WP-21.</i>	<b>CLOSED</b>
<b>29.24</b> CGMS satellite operators to submit proposals for discussion at the ad-hoc Working Group on Integrated Strategy for Data Dissemination from Meteorological Satellites.	<i>Completed. Submissions made in view of the meeting of 29 Apr, 2002. See CGMS-XXX WMO-WP-21.</i>	<b>CLOSED</b>

**Action Item**

**Comments on the Action Item**

**Action Status**

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

*Completed. Done at the 2nd WMO High Level Policy Meeting, of 18-19 Feb 2002 in Geneva.*

**CLOSED**

**29.26** Satellite operators to post on the CGMS homepage available relevant papers on satellite radiance (VI S, I R, 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.

*Completed by EUMETSAT and Russia.  
<http://www.eumetsat.de/en/dps/mpef/calibration/intercalibration.html>  
link made on the CGMS Satellite Intercomparison page under EUMETSAT  
See CGMS-XXX EUM-WP-16  
Russia portion completed, e-mail 160702: no activities*

**OPEN**

**29.27** The Chairman OPAG IOS is asked to bring to the attention of the CBS Mgmt Group, as a matter of urgency, the need for a designated CBS Open Programme 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.

*Completed. WMO: CBS Mgmt Group discussed the issue but decided to take no action.*

**CLOSED**

**29.28** WMO to report on Nowcasting Us. 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 EUM to report on its process for setting Nowcasting requirements to be met by their Meteosat Third Generation.

*Completed. WMO TD No 1052 (SAT-26).  
See also CGMS-XXX EUM-WP-18.*

**CLOSED**

***Action Item***

***Comments on the Action Item***

***Action Status***

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

*EUMETSAT portion completed. CGMS-XXX EUM-WP-19.*

**OPEN**

**29.30** ITWG, at its March 02 meeting, to (a) summarise the successful characterisation 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) characterise the DB profile retrieval packages (3 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 utilisation for profile retrieval, specifically radio occultation with high spectral resolution infrared

*EUM portion completed.*

**OPEN**

**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 CGMS-XXIX EUM-WP-15 as an example.

*EUMETSAT portion completed (CGMS-XXIX EUM-WP-15).*

**OPEN**

**29.32** CGMS to invite the EUMETSAT Nowcasting SAF to host the next IPWG meeting in 2002.

*Completed. The next IPWG meeting was held in Madrid 23-27 September 2002.*

**CLOSED**



<i>Action Item</i>	<i>Comments on the Action Item</i>	<i>Action Status</i>
<b>29.33</b> CGMS Members to propose lists of parameters and data which should be contained in "meta-data" to accompany reprocessed data, at CGMS XXX.	<i>Completed by EUM, JPN, USA See CGMS-XXX EUM-WP-22, CGMS-XXX JPN-WP-14, CGMS-XXX USA-WP-27.</i>	<b>CLOSED</b>
<b>29.34</b> EUMETSAT to report at CGMS XXX on the progress concerning the production of winds from rapid scans and the relevant feedback from users.	<i>Completed. CGMS-XXX EUM-WP-09.</i>	<b>CLOSED</b>
<b>29.35</b> JMA to report on the progress of the experiment using targeted CMW observations around Typhoons and related model impact studies at CGMS XXX.	<i>Completed. CGMS-XXX JPN-WP-15.</i>	<b>CLOSED</b>
<b>29.36</b> 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.	<i>Completed. CGMS-XXX EUM-WP-24.</i>	<b>CLOSED</b>
<b>29.37</b> The 6th Int. 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.	<i>Completed. CGMS-XXX EUM-WP-24.</i>	<b>CLOSED</b>

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List of Actions resulting from CGMS XXIX (2001)

<i>Action Item</i>	<i>Comments on the Action Item</i>	<i>Action Status</i>
<b>29.38</b> The 6th Int. 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.	<i>Completed. CGMS-XXX EUM-WP-24.</i>	<b>CLOSED</b>
<b>29.39</b> 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.	<i>Completed. CGMS-XXX EUM-WP-24.</i>	<b>CLOSED</b>
<b>29.40</b> The 6th International Winds Workshop to analyse the status of the implementation of quality indicators assigned to wind vectors and to report back to CGMS on current benefit to NWP.	<i>Completed. CGMS-XXX EUM-WP-24.</i>	<b>CLOSED</b>
<b>29.41</b> All CGMS M. to provide feedback on the 'Integrated Satellite Wind Monit. 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. (NB mary.goldsworthy@metoffice.com has replaced P Butterworth).	<i>EUMETSAT portion completed.</i>	<b>CLOSED</b>
<b>29.42</b> USA to report on potential plans for a reprocessing of winds at CGMS XXX.	<i>Completed. CGMS-XXX USA-WP-29.</i>	<b>CLOSED</b>

<i>Action Item</i>	<i>Comments on the Action Item</i>	<i>Action Status</i>
<b>Permanent action 1:</b> 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).	<i>Ongoing. Tables will be distributed to all delegations prior to the meeting in order to have the updated tables available at the CGMS XXX.</i>	<b>PERMANENT</b>
<b>Permanent action 2:</b> 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.	<i>Ongoing. Subject to completion of permanent action 1.</i>	<b>PERMANENT</b>
<b>Permanent Action 3:</b> 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.	<i>Ongoing. CGMS-XXX USA-WP-09, CGMS-XXX JPN-WP-08, CGMS-XXX EUM-WP-15</i>	<b>PERMANENT</b>
<b>Permanent Action 4:</b> CGMS Members to update the CEOS/WMO Consolidated Database as appropriate and at each CGMS meeting.	<i>Ongoing. CGMS-XXX USA-WP-17</i>	<b>PERMANENT</b>
<b>Permanent Action 5:</b> CGMS Members to report on anomalies from solar events at CGMS meetings.	<i>Ongoing. CGMS-XXX EUM-WP-02 (Meteosat status report) CGMS-XXX USA-WP-04</i>	<b>PERMANENT</b>

*Action Item*

*Comments on the Action Item*

*Action Status*

**Permanent action 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.

*Ongoing.*

**PERMANENT**

**Permanent action 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.

*Ongoing.*

**PERMANENT**