



CGMS-42 NOAA-WP-01

Prepared by NOAA
Agenda Item: B
Discussed in Plenary

SUMMARY LIST OF ACTIONS FROM CGMS XLI
(13 May 2014)

NOAA response to actions from CGMS XLI.

Summary List of Outstanding CGMS Actions and Recommendations *(13 May 2014)*

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: Open.

Permanent 02: CGMS Members to report to CGMS plenary on their activities and plans related to space weather including: (i) impact of solar events and space radiation on satellites, protective measures, (ii) space weather observations, and (iii) space weather warning services.

Status: See NOAA-PP-02.

Permanent 03: CGMS Members to review the list of available list servers used by CGMS groups and update as appropriate.

Status: NOAA provided updates for the list servers via e-mail.

Permanent 06: All CGMS satellite operators to regularly include user statistics in their reports on current satellite systems.

Status: See NOAA-PP-02.

Permanent 08: CGMS Members to provide WMO with the update of their programmes for the dossier on the space-based GOS.

Status: Open.

Permanent 10: CGMS Members to provide at every CGMS meeting a list of frequencies used by their current and future systems in the format provided in WG I report-39 (Annex 1).

Status: See NOAA-WP-06.

B CGMS-41 ACTIONS

PLENARY

Plen C.4 Action 41.04: NOAA to present its requirement analysis tool at CGMS-42.

Status: Open.



Plen I Action 41.60: NOAA and CGMSSEC to lead on the coordination and implementation of the outreach and inreach activities proposed with the support of other CGMS members. (Create/exhibit CGMS material at relevant events, quarterly features on the CGMS web site, develop an image web gallery, participation in the CGMS socio-economic benefits Tiger Team, development of regular online newsletters). (Action added following the editing of the CGMS-41 report). CGMS-42 OPEN HLPP #4.1

Status: Open.

Plen E.3.1.2 Action 41.08: CGMS members to nominate focal points for the SCOPE-Nowcasting (NWC) initiative as appropriate. 15-Aug-13 OPEN HLPP #3.3

Status: Open.

Plen E.3.1.2 Action 41.09: Feedback from CGMS members sought on the final makeup of the SCOPE-NWC pilot projects by 1 September 2013 01-Sep-13 OPEN HLPP #3.3

Status: Open.

Plen G.1.1 Action 41.11: CGMS members to nominate members for the CEOS/CGMS joint climate working group 31-Aug-13 OPEN HLPP #5.1.9

Status: Closed.

Plen E.4.3 Action 41.14: CGMS members to nominate a team to develop the TOR for CGMS space weather activities, taking into account the guiding principles discussed in the ad-hoc session, for consideration by CGMS-42. (Volunteers to serve on this team: CMA, NOAA, WMO, JMA [TBC], KMA [TBC]) 15-Sep-13 OPEN HLPP #5.2.2

Status: Closed.

Plen E.4.3 Action 41.15: CGMS members to nominate points of contact to work with WMO/ICTSW in order to jointly define a procedure to improve the collection, availability, and use of satellite anomaly information. 30-Sep-13 OPEN HLPP #5.2.1

Status: Closed.

WGI – TELECOMMUNICATIONS

WGI/3.1 Action 41.17: CGMS members to nominate representatives in the Task Team to work on RARS related aspects (before 1st IS meeting (WG-I.IS-2.1 mid October 2013) 31-Aug-13 OPEN HLPP #2.10

Status: NOAA representative RARS Task Team is Mitch Goldberg. Closed.

WGI 39.21 Action 39.21: Based on the inputs of action CGMS-39 39.20 (CGMS members to report on their plans for the utilisation of the band 7750-7850/7900 MHz for their existing and future LEO systems [including the detailed list of frequencies used in the band, associated

bandwidth and signal characteristics - together with the orbital parameters]), CGMS members to analyse potential interference issues, reporting results of analysis back to CGMS WGI by next CGMS meeting. (CGMS-40) New deadline 15 Oct 2013 OPEN HLPP#1.3.2

WGI 40.12 CGMS members to complete and review interference assessment (in response to action 39.21) New deadline 15 Oct 2013 OPEN -

Status: NOAA suggests the action be removed since it is currently being addressed in ITU WG 7B and in the SFCG. No further action by NOAA will be taken at this time. This Action Is closed.

WGI Action 40.13: Round table for comments review to proposed update to CGMS Global Specification 04 (by end of Q1 2013 –same e-meeting as for action 40.12). Deadline: 31-Mar-13 HLPP#1.3

Status: NOAA reviewed and provided comments on the updates to the Global Specifications. Closed.

WGII – DATA AND PRODUCTS

WGII/2 Recommendation 41.03: NOAA to coordinate its new direct read-out initiative which focuses on advanced sounder data from POES, METOP, FY3, METEOR-M, Aqua/Terra with the WMO RARS programme (HLPP 2.10). CGMS-42 OPEN HLPP #2.10

Status: This is a WMO paper that will discuss NOAA coordination with WMO. There is no need for a NOAA paper. Closed.

WGII/6 Action 41.28: NOAA to ensure that CIMSS/SSEC AMV reprocessing activity should be embedded into SCOPE-CM AMV project by a communication to the SCOPE-CM Secretariat. 30-Dec-13 OPEN HLPP #5.1.3

Status: Open.

WGII/6 Recommendation 41.08: NOAA is invited to consider sustained support to future reprocessing work on GOES and polar AMVs for the benefit of future re-analyses. CGMS-42 OPEN HLPP #3.3

Status: NOAA appreciates the work by UW to reprocess the geostationary winds using their own R&D funds and will wait for their final report including user benefits to help determine next steps. Closed.

WGIII – CONTINGENCY AND CONTINUITY

WGIII/2.1 Action 41.34: All CGMS members to provide feedback on the updated mapping of satellite plans with the CGMS baseline (30 September 2013). 30-Sep-13 OPEN HLPP #1.1.1

Status: Open.

WGIII discussions at CGMS-41: Ongoing. Metop-IASI is used by GSICS as the primary reference for IR sensor calibration. Excellent consistency is observed with AQUA/AIRS, SNPP/CrIS, and Metop-B/IASI. The proposed NASA CLARREO mission concept would provide SI traceability. CGMS-42 OPEN HLPP#1.1.1

Status: Open.

WGIII/2.1 Recommendation 41.15: (Ref. WGIII R40.37) All CGMS members to provide updates on satellite programmes to be included in OSCAR, through their annual reports to CGMS and by other means as appropriate. CGMS-42 OPEN HLPP#1.1.1

Status: Open.

WGIII/2.2 Action 41.39: NOAA to provide update on the study to optimise the GOES-E scanning mode with a view to ensure a sufficient number of South America scans during North America rapid scan periods. 15-Jan-13 OPEN HLPP #1.1.6

Status: Closed.

WGIII/3 Action 41.16: (Ref. R40.38) CGMS satellite operators to support NWP centres to perform Observing System Experiments (OSEs) on the regional impact of a potential gap of sounding from the early morning orbit. CGMS-42 OPEN HLPP #1.1.1

Status: Open.

WGIII/3 Action 41.41: NOAA to provide a report on the benefit of Day-Night imagery (e.g. as experience with SNPP/VIIRS) at CGMS-42 in order to assist CMA in refining its requirements for an imager for the early morning orbit mission. CGMS-42 OPEN HLPP #1.1.1

Status: See NOAA-WP-08.

WGIII/4 Action 41.44: NOAA to report at CGMS-42 on its activities towards transitioning mature R&D missions to an operational status. CGMS-42 OPEN HLPP #1.1.3

Status: See NOAA-WP-28.

WGIII/6 Action 41.45: CGMS members to nominate participants in the Tiger Team on socio-economic benefits of space missions. 15-Sep-13 OPEN HLPP #4.1.1

Status: Closed.

WGIII/6 Action 41.46: NOAA, as the initiator of the Tiger Team on socio-economic benefits, to request inputs from all CGMS members on available socio-economic benefit studies and case studies in order to allow the Tiger Team to compile the existing information as soon as members are nominated. 15-Sep-13 OPEN HLPP #4.1.1

Status: See NOAA-WP-19.

WGIII/6 Action 41.47: WGIII co-chairs to plan addressing the Tiger Team on Socio-economic Benefits actions at the first WGIII intersession meeting.
09-Oct-13 OPEN HLPP #4.1.1

Status: Closed.

WGIV – GLOBAL DATA DISSEMINATION

WGIV/2 Recommendation 41.2: NOAA to consider the provision of an LRIT like subset of GOES-R or GOES-S data over GNC-A, at least on a transition basis to support operational users in RA III and RA IV having limited technical infrastructure
CGMS-42 OPEN HLPP #2

Status: NOAA will assess the possibilities for including a subset of the GOS-R/S in GNC-A. NOAA must consider the best options or the data format verse the data content. CGMS members and the WMO Space Programme will be kept abreast of any considerations for including GOES-R/S data in GNC-A broadcast.

WGIV/5.2 Action 41.51: CGMS members to share information for HRIT/LRIT mission specific implementation for both direct broadcast and rebroadcast data for next generation GEO satellites CGMS-42 OPEN HLPP #5.3

Status: See NOAA-WP-29.

WGIV/5.2 Action 41.52: CGMS members to assess compatibility of the HRIT/LRIT global specification with the next generation GEO satellite broadcast.
CGMS-42 OPEN HLPP#5.3

Status: NOAA is currently evaluating the compatibility of the HRIT/LRIT global specifications for the GOES-R HRIT/EMWIN service. NOAA plans to conform to the CGMS agreed upon global specifications.

WGIV/5.2 Recommendation 41.19: CGMS members are encouraged to seek (as much as possible) convergence in the Mission Specific Implementation of the HRIT/LRIT data for the next generation GEO satellites. CGMS-42 OPEN HLPP #2

Status: NOAA plans to keep CGMS members informed on its undertakings for the Mission Specific Implementation of the HRIT/EMWIN data on the GOES-R series of satellites.

WGIV/6 Action 41.54: NOAA and WMO to discuss the relation of the Direct Broadcast Data Initiative (see NOAA-WP-13) to RARS, and how RARS can take advantage of this initiative CGMS-42 OPEN HLPP#2.10

Status: See WMO-WP-19. Closed.

WGIV/8 Action 41.56: Each CGMS member to review the GEO version of the Long Term Data Preservation Guidelines (GEO LTDP) and provide feedback on the applicability of each single guideline to its own organization by creating a compatibility table for the organisation CGMS-42 OPEN HLPP#5.1.8



Status: In general, NOAA is compliant with the GEO Long Term Preservation Guidelines (GEO LTDP) since these guidelines are based upon the Reference Model for an Open Archival Information System (OAIS-ISO 14721) and Producer Archive Interface Methodology Abstract Standard (PIAMAS-ISO 20652). NOAA data centers have adopted both of these standards. There are several guidelines where United States law takes precedence over the proposed guidelines: adherence levels for data security are defined by the Federal Information Security Management Act of 2002 (FISMA) and disposal of archive records is defined by NOAA data center agreements with the National Archives and Records Administration (NARA). These United States specific guidelines, however, meet or exceed the proposed GEO guidelines.

In a few instances, NOAA archives are not compliant with the GEO guideline. Guidelines 1.5, 1.6, and 1.7 all require adoption of common formats and these guidelines are viewed as unnecessary and unrealistic. Similarly, guidelines 6.9 and 6.10 call for product harmonization at the product level. NOAA believes this is unnecessary as this same functionality can be achieved much easier and at lower cost by use of middleware tools. Finally, NOAA is non-compliant with guidelines 7.2, 7.7, and 7.10 having to do with data exploitation and reprocessing. NOAA archives have not received funding for these activities. A complete listing of NOAA compliance (c) or non-compliance (n) with the guideline is given below.

Theme	Key Guideline	Level	NOAA
1. Preserved Data Set Content	1.1	A	c
	1.2	A	c
	1.3	B	c
	1.4	B	c
	1.5	B	n
	1.6	B	n
	1.7	B	n
	1.8	A	c
2. Archive operations and organization	2.1	A	c
	2.2	A	c
	2.3	A	c
	2.4	A	c
	2.5	A	c
	2.6	B	c
	2.7	A	c
	2.8	A	c
	2.9	C	c
	2.10	A	c
	2.11	C	c
	2.12	A	c
3. Archive security	3.1	B	c
	3.2	A	c
	3.3	A	c
	3.4	A	c

	3.5	A	c
4. Data ingestion	4.1	A	c
	4.2	A	c
	4.3	A	c
	4.4	A	c
	4.5	B	c
5. Archive maintenance	5.1	A	c

	5.2	B	c
	5.3	C	c
	5.4a	A	
	5.4b	B	
	5.4c	B	c
	5.4d	C	
	5.5	A	c
	5.6	B	c
	5.7	B	c
	5.8	A	c
	5.9	C	c
6. Data access and interoperability	6.1	A	c
	6.2	A	c
	6.3	B	c
	6.4	A	c
	6.5	A	c
	6.6	B	c
	6.7	C	c
	6.8	C	c
	6.9	B	n
	6.10	C	n
	6.11	C	c
	6.12	B	c
7. Data exploitation and reprocessing	7.1	A	c
	7.2	B	n
	7.3	B	c
	7.4	C	c
	7.5	B	c
	7.6	A	c
	7.7	B	n
	7.8	C	c
	7.9	A	c



	7.10	C	n
	7.11	C	c
	7.12	A	c
8. Data Appraisal and Purge Prevention	8.1	A	c
	8.2	A	c
	8.3	A	c

WGIV/9 Recommendation 41.21: CGMS members to support the Coordination Group on Satellite Data Requirements for WMO RA III and RA IV in advancing its proposed work plan, as appropriate CGMS-42 OPEN HLPP #2

Status: NOAA recognizes that the WMO is mostly concerned with weather-related issues. But, the RA III and RA IV Group on Satellite Data Requirements could be useful for GEONETCast Americas (GNC-A) if it could also gather requirements in the other GEO Societal Benefit Areas (SBA's) (i.e., ecosystems, disasters, and so forth). Closed.

WGIV/9 Action 41.58: CGMS members to provide feedback on the improved concept of the WMO Product Access Guide, in particular on the feasibility with respect to their organization's product catalogues. CGMS-42 OPEN HLPP #5.3

Status: NOAA would like to thank the WMO for the great effort it has undertaken to provide a user-friendly guide to satellite based products. Specifically, the WMO Product Access Guide addresses the need for easily accessible information on satellite-derived products and how to access them. After review of the prototype sites, NOAA would like to offer the following comments:

http://www.wmo.int/pages/prog/sat/product-access-guide_en.php

The center column seems to be a bit narrow for the amount of information you are trying to present. Is there a way to combine the information on both sides of the central column to give the main topic more space? There is a lot of wasted space in the layout because of this. Perhaps all that is needed would be to have these columns be a little narrower.

NOAA likes the sliding selection of products and the way the main four choices do not automatically close when you go to a product. You can go back and check another from the same group.

NOAA did not find the "Translate" button or the "About languages" link easily. Perhaps if you moved the Translate button to an area directly below the About languages link, it would help someone find both. It would break up the blue field, but NOAA does not think that would be too bad.

There is an inconsistency with whether or not a new page/tab is opened when you click on a link. Unless you have a specific reason for it being different they should be consistent one way or the other. (reference the 'target="_blank"' code on links opens a new page/tab)

There is an inconsistency when listing multiple products from same source. Sometimes the products are grouped, and sometimes they are listed as separate entries with the source

duplicated. See Terrestrial Domain, Fire for two NOAA/NESDIS entries. Ocean Domain has two links listed for one entry. This needs to be consistent as well.

This may already be part of the page, we cannot tell from looking at the finished product, so we will mention it here. If not already the case, NOAA recommends that each product list (i.e. beginning with “<h3>Atmospheric Domain > Temperature and Humidity </h3>” and ending with “</table>”) be a separate server side include (SSI). This would make each product list a separate file from the actual page and keep all of the edits away from the front page content. It would also allow editing to one Product, without touching any of the others. It could be done by multiple people without them needing direct access to the main page content. (And they would not need the account password to change the main page and others written by the same user ID either.)

Seems to like these products and links will be a nightmare to keep up unless delegated and done with server side includes.

OSPO centric comments:

- need to remove all references to OSEI – this site has been discontinued,
- need to change all references from OSDPD to OSPO,
- Many links to our site are old and go to redirect pages.

http://www.wmo.int/pages/prog/sat/spaceweatherproductportal_en.php

NOAA found the links and references in the Space Weather Portal current and up-to-date. The links openings were all consistent. Each was able to open in tab displaying the current URL without having to switch. This site is well organized and is very user friendly.

There is some confusion between the “Highlighted Themes” and the “Cross-Cutting Themes.” Why does the “Highlighted Theme” pull down menu only list the items but when either is selected, all the “Cross Cutting Themes” are displayed? Also, is there a better way of getting to the “cross Cutting Themes.”

We would like to mention that there is no reference to NOAA (OSPO) under the “basic data and imagery” link. OSPO imagery and imagery products can be found at <http://www.ospo.noaa.gov/Products/imagery/index.html>. We are confident this information will be available in the future.