



WG-I and WG-IV Terms of Reference Study

Presented to CGMS-46 Joint Working Group I and WG IV session

Agenda for Joint Meeting

- CGMS 45 Action
- Review of Study Approach
 - Process
 - Findings
- Recommendation for new WG activity alignment
- Introduction of new Terms of Reference for the working groups
- Approval of Recommendation to Plenary to close Action

Purpose

- Respond to the CGMS 45 Plenary Action for Working Group 1 and Working Group 4 to form a working group to review the terms of reference of both working groups to eliminate overlaps and to see if additional topics need to be addressed by either working group.

CGMS 45 Action

- WGI/WGIV to establish a small task team to examine the current Terms of Reference in light of the thematic areas covered by both working groups to address overlap and to consider adding relevant topics related to satellite and ground system operational topics not currently covered in either of the two working groups and to report to CGMS-46
- The team should propose additional operational topics as well as possible alternatives for realignment of the themes for both working groups to include the possible merger of the two working groups (including the topics discussed in the Space Weather Task Team) (Ref. CGMS-45-CGMS-WP-05)



Study Approach

- A small study group comprised of the co-chairs and rapporteurs from the two working groups along with participants from WMO, EUMETSAT, and NOAA met several times since CGMS 45
 - Held 4 telecons and 1 face-to-face meeting
- Meetings focused on:
 - Review of ToR of both WGs and identification of topics to be covered and additions.
 - Discussion of potential delegation of topics to other expert groups (e.g. IPET, SWTT, SFCG, GEONETCast group, ...)
 - What should not to be covered by WGI and WGIV (as they are naturally International WGS or WG II and/or III)
 - Discussion on a brief mission statements (Raison d'être) and new ToRs for each WG



CGMS Working Group Overlap

WG -1

- *To address technical and operational aspects of direct broadcast services (present and future) of mutual or global interest for the CGMS agencies;*
- *To promote standards and interoperability and operational procedures to the CGMS agencies for the benefit of the user community of their direct broadcast services and the associated regional retransmission services;*

WG – 4

- *To support the user-provider dialogue on regional/continental scales;*
- *To support the implementation of sustained and coordinated communication satellite broadcast systems;*



Primary Thematic areas

WG – I

Satellite Systems and Operations

- Frequency use and protection (including space weather). *SFCG delegated*
- Meteorological satellites Space to Ground Interface (Direct Readout) and LHRIT Global Spec. *Global Specs (CCSDS based) and Best Practices for DR processing*
- DCS. Subset of WG-I via Inter-sessional (key designated from NOAA, EUM and JMA as minimum)
- Use of Space weather data (e.g. Space weather related anomaly reporting) for satellite operations. *First within the WG and through Inter-sessional meetings with additional experts to develop the topic in the WG*
- Space debris monitoring and collision avoidance. *Coordination with IADC*
- System technical aspects (sharing/rationalisation of orbits) and operational aspects on the implementation of contingency plans
- Handling of future large data volumes and associated data circulation. *First within the WG and through Inter-sessional meetings with additional experts to develop the topic in the WG*
- Relevant aspects on the implementation of the global contingency plan from Plenary (as proposed by WGIII)

WG – IV

Support for End Users

- Metadata. *Delegated to Task Force on metadata*
- Commercial Satellites broadcast solutions (e.g. Geonetcast related).
- Global or supra-regional data circulation and access (e.g. WIS/GTS/RMDCN, academic networks,...) *with coordination with WMO dedicated expert teams*
- Data formats and standards (use of open standards). *Delegated to CGMS Task Teams on data Formats (to be reactivated)*
- Cybersecurity towards end users related topics. *First within the WG and through Inter-sessional meetings with additional experts to develop the topic in the WG*
- Notification of changes (and alerts) in satellite data and/or products impacting users. *TBD Best Practices*
- User readiness for new satellite systems (SATURN PoCs)
- LTDP *First within the WG and through Inter-sessional meetings with additional experts to develop the topic in the WG*
- Relevant aspects on the implementation of the global contingency plan from Plenary (as proposed by WGIII)



Recommendation to Plenary

- The two Working Groups met in joint session earlier this week. The teams reviewed the study results and the new proposed Terms of Reference for the two groups
- Subsequent to the joint meeting, the working groups met and produced a final ToR for each working group.

The co-chairs of WG-1 and WG-2 recommend that the Plenary accept the new terms of reference for the two working groups