


Working Group I: Global Issues on Satellite Systems and Telecommunication Coordination

CGMS 43

WG-I

Topics of Interest to Plenary

Topics covered by WG-I during CGMS-43 (20 Working papers):

i/2	ToR for WG-I	✓
I/3	Frequency management matters: SFCG, ITU and WRC activities	✓
I/4	Optimisation/harmonisation of direct readout dissemination (CGMS global specs for LEO and GEO)	✓
I/5	Data Collection Systems	✓
I/6	Direct broadcast/readout services	✓
I/7	HLPP and Inter-Sessional meetings towards CGMS-44	✓ 

I/2 ToR for WG-I

GLOBAL ISSUES ON SATELLITE SYSTEMS AND TELECOMMUNICATION COORDINATION

1.1 Scope of WG-I

CGMS WG-I will provide a regular forum for CGMS agencies to address topics of interest in areas related to global coordination of satellite systems and telecommunication. The working group will address these issues for existing operational systems and also for future ones and will aim at supporting CGMS in preparing for the future generation of meteorological satellite systems and to contribute on the consolidation and updates of interoperability and standardisation that the evolution of technology imposes.

Topics of Interest to Plenary

I/3 Frequency management matters: SFCG, ITU and WRC activities

- WRC-15 will have as one of the main focuses the decision on spectrum allocations to the mobiles service(s) of various types and to the Fixed Satellite service. All related or threatening bands and allocations of MetSats, Earth Exploration Satellite Service (EESS) or Science Research Service.
- WRC-15 preparatory activities progressing according to established regional agendas.
- Space Frequency Coordination Group (SFCG) is actively supporting CGMS in the area of Frequency Management matters using the designated CGMS Liaison officer for addressing dedicated topics needing specific attention by CGMS WG-I and/or SFCG.
- **Status of preparation of WRC-15 at SFCG in line with the positions of the different CGMS members (as they are also present in SFCG)**
- Triggered by NOAA, WG-I agreed a recommendation to improve and secure that information on all (active, passive and comms) frequency use available and searchable in OSCAR/Space, such that pre-defined reports are easily accessible via external hyperlinks



Topics of Interest to Plenary

I/5 Data Collection Systems

- A proposal is agreed by WG-I to have dedicated Inter-Sessional meetings to prepare the first SATCOM Forum in the context of Data Collection Systems (Q4 2015)

Topics of Interest to Plenary

I/6 Direct broadcast/readout services

- WG-I addressed proposals by WMO for the future RARS (DBNet) and agreed to continue supporting the WMO DBNet Coordination Group (by means of the CGMS RARS Task Team) and to derive best practices for CGMS agencies in the areas of RARS/DBNet operations.
- NOAA presented the status of implementation of their SNPP Regional Retransmission Service, WG-I fully supported the project implementation and agreed an action on WMO to assess the impact of improved data latency from polar orbiters on NWP (WMO Impact Workshops) and other applications.
- WG-I also noted with appreciation the work done by BMO and JMA in support to the RARS in Asia Pacific and the plans to include additional sounder services (SNPP) in this region
- Finally **WG-I agreed in the need to secure (via the best practices) the delivery of the data inside and outside the corresponding RARS region by means of the telecommunication capabilities provided by the WIS**

Recommendations

1. To make the information on all (active, passive and comms) frequency use available and searchable in OSCAR/Space, such that pre-defined reports are easily accessible via external hyperlinks
2. DBNET Coordination Group to report annually to CGMS WG-I on status and progress
3. CGMS agencies to publish details on their SG-ICD with enough lead time to allow DBNET operators to plan their technical systems in advance (to be included in CGMS best practices)
4. CGMS agencies to make use RH circular polarisation for future Direct Broadcast systems, if technically feasible

Actions

1. NOAA to assess the need for user registration for direct broadcast.
2. NOAA to consider including GLM products in the HRIT stream.
3. Action CGMS-42.05 to be reactivated: CGMS members to nominate focal points to support, via inter-sessional meetings, the analysis of the LRIT/HRIT Global Specification for its usefulness for next generation GEO satellite data dissemination, and propose an update taking into account the availability of new file format standards and dissemination means. Initial coordination to be done by EUMETSAT (as boo
4. CGMS Members to assess, comment on the info package for the SATCOM Forum prepared by the appointed CGMS representative.
5. CGMS Task Team on metadata to define discovery metadata for DBNET.
6. WMO to assess the impact of improved data latency from polar orbiters on NWP (WMO Impact Workshops) and other applications.
7. EUMETSAT to contact IROWG Chair to confirm needs for dedicated frequency protection for GNSS.

HLPP and Inter-Sessional Meetings

HLPP

- HLPP reviewed during WG-I meeting and dedicated presentation on HLPP organised by CGMS Secretariat (for all HLPP topics)
- One HLPP entry confirmed completed (update of Global Specs)
- New input included for evolution of GEO Global Spec for future systems (beyond 5 years from now).
- Main themes to be covered by WG-I are handled by Inter-Sessional meetings:

Inter-Sessional meetings to prepare for CGMS 44

- WG-I.IS-1.x: First group of Inter-sessional meetings will be dedicated to Global Specs for GEO direct broadcast (meeting quarterly starting mid-Nov 2015).
- WG-I.IS-2.x. Second group of Inter-sessional meetings will be dedicated to RARS best practices, and it is agreed to have a quarterly frequency, starting mid-October 2015.
- WG-I.IS-3.x: Third group of Inter-sessional meetings will be dedicated to preparation of the first SATCOM Forum (2015), including harmonisation of global Data Collection Systems and any Frequency issues, it is agreed to have one meeting in Dec 2015.

WG-I nominations for CGMS 44 (proposed to plenary)

- Co-chairs:
Vanessa Griffin (NOAA)
Sergey Uspensky (Roshydromet)
- Rapporteur:
J. Gonzalez (EUMETSAT)
- CGMS Liaison officer with SFCG
M.Dreis (EUMETSAT)
- CGMS Representative at SATCOM Forum
S. Burns (EUMETSAT)