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| **COMMISSION FOR BASIC SYSTEMS** |  |
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| **Steering Group on Radio Frequency Coordination (SG-RFC)****Geneva, 24-27 January 2017****Submitted by : Focal Point for MetSat** | **Document SG-RFC/2017-Doc 7Agenda Item 2.4.3** |
|  | **17 January 2017** |
|  | **English only** |
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|  | **Restricted access required? (Y/N)[[1]](#footnote-1)\*** | **N** |  |
| Issues from CGMS of interest to WMO SG-RFC |

**1 Introduction**

The following sections provide a summary of issues from CGMS-44 of interest to WMO SG-RFC which was also communicated to SFCG-36 and discussed there as well.

**2 Migration of the SFCG RSDD into OSCAR**

In response to the consideration of the possibility of migrating the SFCG Disaster database into OSCAR as brought up by CGMS (see Annex 4, Action A44.01), Action Item 36/6 (Annex 1) calls for the identification of the level of overlap between the databases and the definition of what information would have to be transferred to OSCAR and which search functions would be required to retain the full capabilities of the RSDD through OSCAR.

It was concluded that first and foremost WMO will have to provide their feedback on their willingness and possibility to introduce the delta elements of the SFCG RSDD into OSCAR whilst retaining appropriately the functions and capabilities of the RSDD database. In parallel to this consideration NASA agreed to continue to maintain the database and to submit an updated database report to SFCG-37.

**3 Yearly Reporting mechanism on national/regional regulatory changes/issue**

CGMS-44 brought for consideration to SFCG (see Annex 4, Actions A44.03 and A44.04) the idea of a yearly reporting mechanism on national/regional regulatory changes/issue in their countries/region (e.g. to repurpose spectrum currently in use or planned for use by meteorological satellites).

SFCG endorsed the idea and agreed on Action Item 36/7 (Annex 2).

**4 Space Weather**

In CGMS-44 and SFCG-36 the need for gathering information agencies activities/plans/interests in space weather was identified. CGMS issued a corresponding action item to CGMS agencies (see Annex 4, Action A44.05) and has set up a recommendation to its member agencies to inform their administration about their space weather activities. Recommendation R44.01 asks CGMS agencies to inform their Freq Managers on the space weather activities to ensure the necessary protection and coordination at Freq management level.

Also SFCG agreed about Action Item 36/8 (Annex 3).

**5 WRC-19 issues of prime concern to CGMS**

CGMS introduced in their High Level Priority Plan the following issues on the WRC-19 agenda:

* Issues with relation to DCS (1.2, 1.3 and 1.7),
* Impact of 1.13 on the band 25.5 – 27 GHz,
* Passive sensor band protection under various agenda items and
* RLAN under 1.16.

**Annex 1**

**SFCG-36**

**SFCG Action Item No. 36/6**

**RSD Database**

**Subject:** Improvement to the “Remote Sensing Disaster Database”

**Supporting Material:**  Documents SF36-7/I

 **SFCG POSITION:**

The Remote Sensing Disaster Database (RSDD) should continue to be maintained in an up to date fashion. The RSDD should include both individual satellites and missions composed of many satellites which provide, or are expected to provide, useful data to the emergency management community for a minimum of 2 years, including information of commercial systems as far as the information on those systems are contained in the Disaster Charter. Considering a certain overlap with the information in the WMO OSCAR database, the possibility of migration of the SFCG RSDD into OSCAR was discussed in CGMS and brought to the attention of the SFCG for further investigation.

**ACTIONS TO BE TAKEN:**

1. SFCG members to continue to provide updates to the Remote Sensing Disaster Database and provide recommendations for improvements;

2. NASA to continue maintaining the database and to submit an updated database report to SFCG-37;

3. Actionees to identify the level of overlap between the databases and define what information would have to be transferred to OSCAR and which search functions would be required to retain the full capabilities of the RSDD through OSCAR;

4. WMO to provide their feedback on their willingness and possibility to introduce the delta elements of the SFCG RSDD into OSCAR whilst retaining appropriately the functions and capabilities of the RSDD database.

**RESPONSIBLE PERSON:**

T. von Deak (NASA)

**CONTRIBUTORS:**

1 – ALL SFCG Members

2 – C. Wende (NASA), T. von Deak (NASA)

3 – T. von Deak (NASA), C. Wende (NASA), D. Thomas (WMO), D. Franc (NOAA)

4 – D. Thomas (WMO)

**DUE DATES:**

1, 3 – 5 weeks prior to SFCG-37

2, 4 – 3 weeks prior to SFCG-37

**Annex 2**

**SFCG-36**

**SFCG Action Item No. 36/7**

**Reporting on national/regional regulatory issues**

**Subject:** Reporting on national/regional regulatory issues

**Supporting Material:**  Verbal report from CGMS-44

**SFCG POSITION:**

At CGMS-44 a report was provided on a planned repurposing of spectrum in a given country that is used by meteorological satellites in this country but also worldwide. From the discussion of this issue within CGMS the question arose, if there are similar trends in other countries or regions. CGMS realized that it is lacking the relevant expertise and participation in its meetings to answer such questions regarding such kind of regulatory issues/changes in the administration of the host country of its member agencies or its region.

Contrary to building up the relevant expertise within CGMS itself to answer such questions and to be up-to-date regarding the knowledge of such issues, CGMS is of the opinion that such information could better be best gathered within SFCG as the corresponding experts are concentrated there.

As not all issues of interest/concern to SFCG will be of relevance to CGMS, the information could be filtered by the SFCG-CGMS Liaison Officer and reported to CGMS on a yearly basis.

Early knowledge of regulatory issues within the countries of SFCG member agencies and their regions is however not only interesting for CGMS members, but also for SFCG itself as it raises awareness on such issues also within SFCG and allows for timely counter measures.

**ACTIONS TO BE TAKEN:**

1. SFCG members to report in an input contribution to the next SFCG meeting on regulatory changes/issue in their countries or regions that could be of interest/concern to the other SFCG members;

2. SFCG-CGMS Liaison Officer to summarize the regulatory issues reported to the next SFCG meeting that could be also of interest/concern to CGMS member agencies and report those issues to CGMS.

**RESPONSIBLE PERSON:**

M. Dreis (EUMETSAT)

**CONTRIBUTORS:**

1 – ALL SFCG Members

2 – M. Dreis (EUMETSAT)

**DUE DATES:**

Action 1: 5 weeks prior to SFCG-37

Action 2: 4 weeks after SFCG-37

**Annex 3**

**SFCG-36**

**SFCG Action Item No. 36/8**

**Space Weather Sensor Technical and Operational Characteristics**

**SUBJECT: Space Weather Sensor Technical and Operational Characteristics**

**SUPPORTING MATERIAL: SF36-45/D**

**SFCG POSITION:**

There is a global interest in the continued interference-free operation of RF-based space weather sensors. The key space weather prediction and warning centers around the world rely on data from all sources on a global basis. The output from prediction and warning centers are warnings and forecasts that are used worldwide, and in the protection of space based systems. It is in the interest of all for space weather sensor systems to be properly documented.

**ACTIONS TO BE TAKEN:**

1. Review the information contained in Document SF36-45/D, Annexes 1 and 2 in particular.

2. Using Annex 2 of SF36-45/D, provide to ITU-R Working Party 7C input on the technical and operational characteristics of systems listed in Annex 1 of SF36-45/D as well as information on systems that may be missing from Annex 1.

**RESPONSIBLE PERSONS:**

D. Franc (NOAA)

**CONTRIBUTORS:**

Actions 1 and 2: D. Thomas (WMO), P. Tristant (EUMETNET, ESA, EUMETSAT) , D. Gratton (CSA), R. Itabashi (JAXA), M. Willis (UKSA), T. Von Deak (NASA), J. Nie (CMA), P. Kumaramohan (ISRO), J. Pla (CNES), J. Mentzer (NOAA), A. Stepanov (ROSCOSMOS), and any other SFCG members

**DUE DATE:**

Action 1: September 30, 2016

Action 2: April 2017 meeting of ITU-R Working Party 7C

**Annex 4**



1. [↑](#footnote-ref-1)