



Resolution SFCG 30-1

**BASIC GENERAL PARTITIONING AND SHARING CONDITIONS
FOR THE BAND 401 – 403 MHz FOR FUTURE LONG-TERM
COORDINATED USE OF DATA COLLECTION SYSTEMS ON
GEOSTATIONARY AND NON-GEOSTATIONARY METSAT AND
EESS SYSTEMS**

The SFCG,

CONSIDERING

- a) that Data Collection Systems (DCS) are operated on geostationary and non-geostationary MetSat and EESS systems in the frequency band 401 – 403 MHz;
- b) that for next generation DCS systems on both geostationary and non-geostationary MetSat and EESS systems, bandwidth requirements have significantly increased;
- c) that the increased spectrum requirements for both geostationary and non-geostationary MetSat and EESS systems require all operators to respect a basic general partitioning of the band 401 – 403 MHz for current and future DCS systems accompanied by a number of sharing conditions;
- d) that in the framework of SFCG and CGMS, sharing conditions and a basic general partitioning of the band 401 – 403 MHz for current and future DCS systems have been developed;

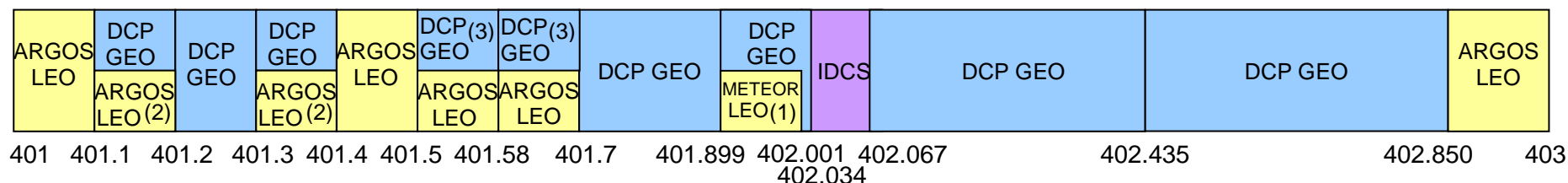
RESOLVES

- 1. that operators of current and future DCS systems on geostationary and non-geostationary MetSat and EESS satellites plan frequency use in accordance with the basic general partitioning of the band 401 – 403 MHz as shown in Annex 1, taking into account the sharing conditions as detailed in Resolves 2 to 6 below;
- 2. that the band 401.7 - 402.435 MHz remains available only for DCS on geostationary MetSat systems in cross-support. However, within this frequency range, the non-geostationary MetSat system Meteor-3M, which is planned for use in the band 401.899 – 401.998 MHz, will only operate over the territory of the Russian Federation;

3. that the band 402.435 – 402.850 MHz will only be used for DCS on geostationary MetSat systems, noting that an ARGOS GEO component may also use a part of this band when compatible and coordinated with the geostationary DCS systems;
4. that the band 401.1 – 401.4 MHz will be used for DCS on geostationary MetSat systems. However, within this frequency range, the bands 401.1 – 401.2 MHz and 401.3 – 401.4 MHz can also be used for ARGOS-4 platforms under the following conditions:
 - Maximum EIRP of -3 dBW;
 - Maximum number of ARGOS-4 active platforms to be deployed in each of the two sub-bands not to exceed 1000 within the visibility circle of FY-2 and FYMETSAT-4 satellites;
 - Maximum duty cycle (ratio of transmission duration over the repetition period) of each platform not to exceed 0.01 (on average 0.6 sec over 60 sec);
5. that the bands 401 – 401.1 MHz, 401.4 – 401.7 MHz and 402.850 – 403 MHz, will be designated to the ARGOS LEO system (ARGOS-B and ARGOS-4). However, the sub-band 401.5 – 401.7 MHz can also be used by DCP GEO systems of the Russian Federation, noting that for the sub-band 401.58 – 401.7 MHz these systems must be limited to operation over Russian territory with a maximum EIRP of 16 dBW;
6. that the band 402.034 – 402.067 MHz will be dedicated to the International Data Collection Systems (IDCS).

Annex 1

Basic general partitioning of the band 401 – 403 MHz for future long-term coordinated use of DCS systems on geostationary and non-geostationary MetSat and EESS systems



- (1) The following conditions contained in Resolves 2 of Resolution SFCG 30-1 apply: In the band 401.899 – 401.998 MHz the non-geostationary MetSat system Meteor-3M will only operate over the territory of the Russian Federation.
- (2) The following conditions contained in Resolves 4 of Resolution SFCG 30-1 apply for the use of the bands 401.1 - 401.2 MHz and 401.3 - 401.4 MHz by ARGOS-4 platforms:
 - Maximum EIRP of -3 dBW;
 - Maximum number of ARGOS-4 active platforms to be deployed in each of the two sub-bands not to exceed 1000 within the visibility circle of FY-2 and FYMETSAT-4 satellites;
 - Maximum duty cycle (ratio of transmission duration over the repetition period) of each platform not to exceed 0.01 (on average 0.6 sec over 60 sec).
- (3) The following conditions contained in Resolves 5 of Resolution SFCG 30-1 apply: The band 401.5 – 401.7 MHz can also be used by DCP GEO systems of the Russian Federation, noting that for the sub-band 401.58 – 401.7 MHz these systems must be limited to operation over Russian territory with a maximum EIRP of 16 dBW.