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| WG FM | | Info22 |
| 97th Meeting | | |
| Web-meeting, 19 – 23 October June 2020 | | |
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| Date issued: | 15 October 2020 | |
| Source: | CRAF | |
| Subject: | Implementation of ECC Decision (09)02 | |
| Group membership required to read? (Y/N)  N | | |
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| Summary: | | |
| ECC decision (09)02 on the harmonisation of the bands 1610-1626.5 MHz and 2483.5-2500 MHz for use by systems in the Mobile-Satellite Service includes conditions for the radio astronomy protection under DECIDES 4 and a method to ensure compliance with these conditions under DECIDES 5.  DECIDES 5 states :  *“that the compliance with the conditions for use of radio frequencies by current and future MSS systems in the band 1613.8-1626.5 MHz (space-to-Earth) and the degree of interference in the frequency band 1610.6-1613.8 MHz caused by this usage shall be monitored regularly (e.g. once a year) by a competent body and the results be reported to the ECC”*  The results of the Iridium questionnaire summarized in document FM(20)151 shows that 25 out of the 27 respondent administrations are implementing the ECC decision (09)02. Nevertheless, It is unclear to the radio astronomy community how these administrations are planning to regularly monitor the compliance of Iridium satellite network to the radio astronomy protection in the future as stated in the decision. | | |
| Proposal: | | |
| * In accordance with ECC decision (09)02 DECIDES 5, and in light of the results of the Iridium questionnaire, CEPT administrations implementing the decision are invited to specify solutions for the regular monitoring required at the earliest possible time. | | |
| Background: | | |
| The monitoring of compliance with the RAS protection conditions is a very critical element for the radio astronomy service. The RAS monitoring needs highly relied on the measurements made by the Leeheim Satellite monitoring station. However, the funding issues facing SATMoU recently shows difficulty in continuing the monitoring activities in a regular manner, and most probably the next measurements could be the last.  CRAF highlighted the European radio astronomy monitoring needs in details in the contribution to the 52nd ECC plenary in the doc [ECC(20)032](https://www.cept.org/Documents/ecc/57686/ecc-20-032_craf_cept-satellite-monitoring-station). The absence of a monitoring strategy till now at ECC puts the RAS protection at high risk during the coming period. | | |