

INTERNATIONAL TELECOMMUNICATION UNION

PLENARY MEETING

Document XXXX-E
30 July 2015
Original: English

Member States of the Inter-American Telecommunication Commission (CITEL)

PROPOSALS FOR THE WORK OF THE CONFERENCE

Agenda item 9.2(9.2.2)

9.2(9.2.2) Clarification of the use of deep-space allocations in regard to certain provisions of the Radio Regulations

Background

During the preparations for WRC-15 Agenda item 1.9.1, questions were raised about the protection of near-Earth operations of deep space missions and whether those operations should be protected in the same manner as for transmissions/receptions in the deep space region. The operations may include launch and early orbit phases, Earth flybys, or when returning to Earth.

In examining the wording of Nos. **5.460** and **5.465** of Article **5** of the RR, which apply to the 7 145-7 235 MHz and 8 400-8 500 MHz space research allocations, it was concluded that there may be an interpretation of these footnotes which is physically impossible to comply with and lead to constraints on the use of frequencies that are not compatible with the design of a spacecraft meant for deep space operations. The SC referred this issue to CPM-15 under agenda item 9.2.

To resolve the issue, it is proposed to add a provision in RR Article **4** to describe the use of deep space SRS allocations. This is consistent with Method A of Section 2/9.2.2 of the CPM Report and would obviate the need to modify a number of RR Article **5** provisions with the “deep space” designation. This proposal would not require any changes to definitions in Article **1**.

ADD USA/9.2.2/1

4.xx Space research systems intended to operate in deep space may also use the space research service (deep space) allocations, with the same status as the allocation, when the spacecraft is near the Earth, such as during launch, early orbit, flying by the Earth, and returning to the Earth.
(WRC-15)

Reasons: To provide clarification that near-Earth operations of deep space missions should be protected in the same manner as for transmissions/receptions in the deep space region without modifying Article **1**.