

UNITED STATES
DRAFT PRELIMINARY VIEWS ON WRC-11

A.I. 1.25 to consider possible additional allocations to the mobile-satellite service in accordance with Resolution 231 (WRC-07)- Additional allocations in the mobile satellite service with focus on the bands between 4 GHz and 16 GHz

ISSUE: As allocations in the range of interest are fully in use by a variety of services other than the mobile satellite service, the issue is to what extent and under what conditions, both technical and regulatory would it be possible to add the mobile satellite service to an allocation,

Background

Working Party 4C is the lead ITU-R Working Party for developing information related to

Agenda Item 1.25 (WRC-11). It initiated this activity through a set of Liaison statements to other working parties requesting information on certain spectrum allocations of interest. The bands of interest were those which were potential candidates for additional Mobile Satellite Service allocations.

WP-4C has received responses from WP-4A(4C/154), WP-5A(4C/169), 5B(4C/164), WP-5C, WP-5D(4C/153), WP-7B(4C/150) , WP-7C(4C/157), WP-7D(4C/148). In the Liaison from WP-4C certain bands were identified which were related to the services under the responsibility of the Working Parties to which they were sent. It was understood by these groups that these were the only bands that were of potential interest. In all cases the bands identified were being extensively used and would appear to present difficult sharing with the addition of a Mobile Satellite Service (MSS).

While a number of responses provide characteristics of services in the bands identified, they indicate a lack of knowledge of characteristics of MSS systems which were intending to use them. Such information was requested.

The Liaison Statements from the Working Parties also include reference to various protection criteria and related ITU-R Recommendations which are related to the services in the bands for which information was requested. These have been developed to provide for the sharing of the allocations by the services in the band whether of the same service or other services. It is apparent that if an MSS allocation were to be added to any of the allocations concerned they would need to conform to the referenced criteria.

There are no “clean” allocations. Therefore, the only allocations which could be used by the MSS would be those where it could be demonstrated that the intended applications would conform to the protection, and sharing criteria associated with the services already using the allocations.

Preliminary View

The following Preliminary Views can be stated:

1. The extent of use of the allocations of interest to the MSS under this agenda item is currently being established in the ITU-R.
2. The use of these allocations of interest have associated with them protection and sharing criteria which are applicable to the services already in the band.
3. The characteristics of potential MSS uses are not known.
4. An MSS allocation could be accommodated in any of the bands of interest, where compatibility studies, agreed upon by the relevant working parties taking into account the applicable protection criteria of the existing services in the band, demonstrate that sharing would be feasible