

## United States of America

### DRAFT PROPOSAL FOR THE WORK OF THE CONFERENCE<sup>1</sup>

**Agenda Item 1.31:** to consider the additional allocations to the mobile-satellite service in the 1-3 GHz band, in accordance with Resolutions **226 (WRC-2000)** and **227 (WRC-2000)**;

**Background Information:** WRC-2000 considered proposals for worldwide allocation of the band 1 683-1 690 MHz to the mobile-satellite service (MSS) (Earth-to-space) in response to Resolution **213 (WRC-95)**. The frequency band 1 675-1 710 MHz is allocated to the MSS (Earth-to-space) in Region 2 on a co-primary basis. However, the 1 683-1 690 MHz portion is used mainly by the meteorological-satellite (MetSat) and meteorological aids (MetAids) services. While there are only a limited number of MetSat earth stations operating in this band in Region 1, there are a large number of MetSat earth stations operating in Regions 2 and 3, and the locations of many of these stations are not identified. Sharing between MetSat and MSS in the band 1 675-1 690 MHz is feasible only if appropriate separation distances are maintained.

Sharing between MetSat and MSS may not be feasible in those countries where a large number of MetSat stations are deployed. Recommendation ITU-R **SA.1158-2** indicates that additional studies are required in order to determine the criteria for coordination between MSS and the MetSat service for GVAR/S-VISSR stations operated in the band 1 683-1 690 MHz in Regions 2 and 3.

Other spectrum identified in Resolution **213** included 1 690-1 710 MHz. However, the ITU-R has concluded that co-channel sharing between MSS and MetAids is not feasible and that co-frequency sharing between MetAids and MetSat services is not feasible. Therefore, the World Meteorological Organization (WMO) has identified future spectrum requirements for MetAids operations as limited to the 1 675-1 683 MHz portion of the 1 675-1 700 MHz band, but some administrations will continue to require spectrum in the range 1 683-1 690 MHz for MetAids operations. Resolution **227** observed that no further study is required on sharing in the 1 675-1 683 MHz and 1 690-1 710 MHz bands, due to incompatibility between MSS and existing services in these bands.

The existing Region 2 allocation includes the provision that MSS operation should not constrain current and future development of the MetSat service, as specified in No. **5.377**. No MSS services have been implemented under the Region 2 allocation in this band.

---

<sup>1</sup> This is a revised version of the original draft U.S. proposal on this agenda item. (06/26/02)



**Proposal:**

USA/ /1      MOD

**1 675-1 710 MHz**

<b>Allocation to services</b>		
<b>Region 1</b>	<b>Region 2</b>	<b>Region 3</b>
<b>1 675-1 690</b> METEOROLOGICAL AIDS FIXED METEOROLOGICAL- SATELLITE (space-to-Earth) MOBILE except aeronautical mobile  5.341	<b>1 675-1 690</b> METEOROLOGICAL AIDS FIXED METEOROLOGICAL- SATELLITE (space-to-Earth) MOBILE except aeronautical mobile <del>MOBILE SATELLITE</del> <del>(Earth-to-space)</del> 5.341 <del>5.377</del>	<b>1 675-1 690</b> METEOROLOGICAL AIDS FIXED METEOROLOGICAL- SATELLITE (space-to-Earth) MOBILE except aeronautical mobile  5.341
<b>1 690-1 700</b> METEOROLOGICAL AIDS METEOROLOGICAL- SATELLITE (space-to-Earth) Fixed Mobile except aeronautical mobile 5.289 5.341 5.382	<b>1 690-1 700</b> METEOROLOGICAL AIDS METEOROLOGICAL- SATELLITE (space-to-Earth) <del>MOBILE SATELLITE</del> <del>(Earth-to-space)</del> 5.289 5.341 <del>5.377</del> 5.381	<b>1 690-1 700</b> METEOROLOGICAL AIDS METEOROLOGICAL- SATELLITE (space-to-Earth)  5.289 5.341 5.381
<b>1 700-1 710</b> FIXED METEOROLOGICAL- SATELLITE (space-to-Earth) MOBILE except aeronautical mobile  5.289 5.341	<b>1 700-1 710</b> FIXED METEOROLOGICAL- SATELLITE (space-to-Earth) MOBILE except aeronautical mobile <del>MOBILE SATELLITE</del> <del>(Earth-to-space)</del> 5.289 5.341 <del>5.377</del>	<b>1 700-1 710</b> FIXED METEOROLOGICAL- SATELLITE (space-to-Earth) MOBILE except aeronautical mobile  5.289 5.341 5.384

**Reasons:** There are no MSS systems operating in this band, and none are currently planned, due to the incompatibility of MSS and the Metatds and MetSat services.

USA/ /2      SUP

**5.377**

**Reasons:** Consequential to the deletion of the allocation for MSS.