

**IWG-4/010**  
**5/15/01**

**IWG-4**  
**PRELIMINARY VIEW FOR WRC-03**  
**Agenda item 1.18**

**WRC-03 Agenda Item 1.18:** to consider a primary allocation to the fixed service in the band 17.3-17.7 GHz for Region 1, taking into account the primary allocations to various services in all three Regions;

**Issues:**

- A Region 1 primary allocation to the fixed service in the 17.3-17.7 GHz band may adversely impact U.S. worldwide radar operations in the band.
- A Region 1 primary allocation to the fixed service in the 17.3-17.7 GHz band may adversely impact the BSS allocation in the 17.3 – 17.7 GHz band in Region 2.
- Fixed service systems may potentially interfere with BSS feeder links operating in the fixed-satellite service (Earth-to-space) in the band 17.3 - 18.1 GHz.

**Background:** The 17.3-17.7 GHz band is allocated to the fixed-satellite service (Earth-to-space) on a primary basis in all three Regions, while the use of the band by geostationary satellites is limited to BSS feeder links under **S5.516**. The broadcasting-satellite service is also allocated on a primary basis in Region 2, and radiolocation is allocated on a secondary basis in all three Regions. The European Common Proposals to WRC-2000 noted that in Region 1 the only primary service allocated in the band 17.3-17.7 GHz is the FSS (Earth to space), and that the band is considered of significant interest for point-point and point-multipoint systems in the fixed service.

**U.S. View:**

- The requirements of all existing allocated services must be taken into account when considering an allocation to the fixed service in the 17.3-17.7 GHz band.
- Protection of a new fixed service allocation in Region 1 must not constrain the deployment of future BSS networks in the 17.3 – 17.7 GHz band in Region 2.
- Studies should be completed confirming the feasibility of sharing between the fixed service and the currently allocated services. (May 15, 2001)