

ADD USA/12/127

DRAFT RESOLUTION XXX (WRC-2000)

**Consideration by a future world radiocommunication
conference of issues dealing with sharing between
passive and active services 71 GHz**

The World Radiocommunication Conference (Istanbul, 2000),

considering

- a) that the changes made to the Table of Frequency Allocations by WRC-2000 in bands above 71 GHz were based on the requirements known at the time of the Conference;
- b) that the passive service spectrum requirements above 71 GHz are based on physical phenomenon and therefore are well known. These requirements are reflected in the changes made to the Table of Frequency Allocations by WRC-2000;
- c) that several bands above 71 GHz are already used by EESS (passive) and SR (passive) because they are unique bands to measure specific atmospheric parameters;
- d) that currently there is only limited knowledge of requirements and implementation plans for the active services to operate in bands above 71 GHz;
- e) that in the past, technological developments have led to viable communication systems operating at increasingly higher frequencies and this can be expected to continue so as to make communication technology available in the future for the frequency bands above 71 GHz;
- f) that in the future, there should be accommodation of alternative spectrum needs of the active and passive services when the new technologies become available;
- g) that, following the revisions to the Table of Frequency Allocations by WRC-2000, sharing studies may be required for services in some bands above 71 GHz;
- h) that interference criteria for passive sensors have been developed and are given in ITU-R SA.1029-1;
- i) that sharing criteria for active and passive services in bands above 71 GHz have not yet fully developed within the ITU-R;
- j) that, in order to ensure the protection of passive services above 71 GHz, WRC-2000 avoided co-allocations of active and passive services to prevent potential sharing problems,

recognizing

that to the extent practicable, the burden of sharing among active and passive services should be equitably distributed amongst the allocated services,

invites ITU-R

- 1 to continue its studies to determine if sharing is possible between active and passive services in the bands above 71 GHz;
- 2 to take into account the principles of burden sharing to the extent practicable in their studies;

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3 complete the necessary studies, as soon as the technical characteristics of the active services in these bands are known;

4 develop recommendations specifying sharing criteria for those bands where sharing is feasible,

resolves

that a future competent conference should consider the results of ITU-R studies with a view to revising as appropriate the Radio Regulations in order to accommodate the emerging requirements of the active services taking into account the requirements of the passive services, in bands above 71 GHz,

instructs the Secretary-General

to bring this Resolution to the attention of the international and regional organizations concerned.