Agenda Item 1.8: to consider the progress of ITU-R studies concerning the technical and regulatory issues relative to the fixed service in the bands between 71 GHz and 238 GHz, taking into account Resolutions 731 (WRC-2000) and 732 (WRC-2000)

Resolution 731 (WRC-2000): Consideration by a future competent world radiocommunication conference of issues dealing with sharing and adjacent-band compatibility between passive and active services above 71 GHz

Resolution 732 (WRC-2000): Consideration by a future competent world radiocommunication conference of issues dealing with sharing between active services above 71 GHz

Background Information: This agenda item addresses consideration of changes in regulations for spectrum above 71 GHz to accommodate sharing among the fixed service and other active services and to protect the passive services from adjacent band fixed systems.

Several countries have operational fixed service links in the frequency bands 71-76 GHz, 81-86 GHz, 92-94 GHz and 94.1-95 GHz. In addition to these active service applications, several countries also operate remote sensing and meteorological satellites that utilize the Earth exploration-satellite service (EESS) (passive) allocation from 86-92 GHz subject to No. 5.340. The ITU-R was unable to fully evaluate sharing among the active services or sharing between the active services and passive services allocated above 71 GHz due to the lack of studies prepared during this study cycle for this agenda item.

WRC-2000 adopted Resolutions 731 (WRC-2000) and 732 (WRC-2000) as part of the conference decisions in an overall rearrangement of the allocation tables in Article 5 of the Radio Regulations, and not in support of WRC-07 agenda item 1.8. The ITU-R did not complete studies in support of this agenda item; therefore the conference should retain these resolutions unchanged. There is no need for WRC-15 to consider the results of these studies and that is not proposed.
Proposals:

NOC USA/AI 1.8/1

ARTICLE 5

Frequency allocations

Reasons: Insufficient information is available at this time to substantiate specific out-of-band emission limits to protect the EESS (passive) in the 86-92 GHz band. The ITU-R studies are immature because the technologies employed by the active services in these bands are still in the early stages of development.

NOC USA/AI 1.8/2

RESOLUTION 731 (WRC-2000)

Consideration by a future competent world radiocommunication conference of issues dealing with sharing and adjacent-band compatibility between passive and active services above 71 GHz

Reasons: WRC-2000 developed this resolution as a result of the realignment of the Table of Allocations above 71 GHz. The retention of this resolution allows the ITU-R to continue studies on sharing and adjacent band compatibility in this frequency range. There is no need for WRC-15 to consider the results of ITU-R studies under resolves of Resolution 731 (WRC-2000) and that is not proposed.

NOC USA/AI 1.8/3

RESOLUTION 732 (WRC-2000)

Consideration by a future competent world radiocommunication conference of issues dealing with sharing between active services above 71 GHz

Reasons: WRC-2000 developed this resolution as a result of the realignment of the Table of Allocations above 71 GHz. The retention of this resolution allows the ITU-R to continue studies on sharing and adjacent band compatibility in this frequency range. There is no need for WRC-15 to consider the results of ITU-R studies under resolves of Resolution 732 (WRC-2000) and that is not proposed.