

RESOLUTION 955 (WRC-07)

Consideration of procedures for free-space optical links

The World Radiocommunication Conference (Geneva, 2007),

considering

- a) that frequencies above 3 000 GHz are already used for various optical applications from telecommunication links to satellite remote sensing;
- b) that optical links are currently under consideration by several ITU-R Study Groups;
- c) that Recommendations ITU-R P.1621, ITU-R P.1622, ITU-R S.1590, ITU-R RA.1630, ITU-R SA.1742, ITU-R SA.1805 and ITU-R RS.1744 contain information pertaining to free-space optical links and remote sensing;
- d) that ITU-R is in the process of preparing reports regarding the possibility and relevance of including in the Radio Regulations frequency bands above 3 000 GHz as well as fixed service applications using such frequency bands,

recognizing

- a) that Resolution 118 (Marrakesh, 2002) of the Plenipotentiary Conference *instructs the Director of the Radiocommunication Bureau* to report to world radiocommunication conferences on the progress of ITU-R studies concerning the use of frequencies above 3 000 GHz;
- b) that ITU-R has identified technical aspects regarding the use of optical free-space telecommunications as an item requiring urgent study by the ITU-R Study Groups,

resolves

to consider possible procedures for free-space optical links, taking into account the results of ITU-R studies covering at least sharing aspects with other services, a clear definition of the band limits and measures to be considered if allocations to various services in the Radio Regulations above 3 000 GHz are considered feasible,

invites ITU-R

to conduct the necessary studies in time for consideration by WRC-11.