



Resolution SFCG 20-2R3

OPTICAL COMMUNICATIONS

The SFCG,

CONSIDERING

- a) that optical communication has been demonstrated on Earth-to-space, space-to-Earth and space-to-space paths;
- b) that further optical communication technology demonstrations and operational missions are currently planned by several SFCG member agencies;
- c) that optical communication is being considered for space communication in near-earth and deep space environments;
- d) that the optical spectrum is of use to scientific and industrial purposes other than communication;
- e) that the Radio Regulations currently do not include definitions or nomenclature with respect to free space optical communication links;
- f) that Resolution **118** (Marrakesh, 2002) of the Plenipotentiary Conference resolves that WRCs can include in agendas for future conferences, items relevant to spectrum regulation of frequencies above 3 000 GHz and take any appropriate measures, including revision of the relevant parts of the Radio Regulations;

RESOLVES

- 1. that SFCG member agencies that are developing or are considering the use of optical communication systems are encouraged to contribute to further SFCG studies;
- 2. that the SFCG, through IUCAF, bring to the attention of the International Astronomical Union (IAU) the proliferation of space-based optical communication technology.