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| Considerations and recommendations on the construction of information systems of the Radiocommunication Bureau |

# 1 Introduction

The Radiocommunication Bureau (BR) has strengthened the construction of its information systems by developing or updating relevant software and databases to implement the decisions of WRC‑19. Much progress has been made in facilitating the work of administrations and operators. China welcomes and appreciates the efforts.

# 2 Considerations and recommendations on the construction of information systems of the Radiocommunication Bureau

Resolution **770 (WRC-19)** provides for the application of Article **22** of the Radio Regulations in the frequency bands 37.5-39.5 GHz, 39.5-42.5 GHz, 47.2-50.2 GHz and 50.4-51.4 GHz to protect the geostationary-satellite orbit (GSO) fixed-satellite service (FSS) and the broadcasting-satellite service networks from interference caused by non-geostationary (non-GSO) FSS systems. It includes technical characteristics of generic GSO reference links and evaluation methodology. However, there is no available software to determine whether non-GSO FSS systems comply with the limits given in No. **22.5L**. The current practice for the notifying administration concerned is to provide all necessary information sufficient to demonstrate compliance with No. **22.5L** and to send BR a commitment that the non-GSO FSS system complies with the limits given in No. **22.5L**. Such a practice cannot determine whether a particular non-GSO FSS system meets the limits given in No. **22.5L** to ensure adequate protection of GSO systems.

## 3 Proposal

In order to further implement the decisions of WRC-19 and improve the information systems of the Radiocommunication Bureau, the Administration of China proposes:

1) that the Radiocommunication Bureau design and develop necessary software as soon as possible to verify whether non-GSO FSS systems comply with the limits given in No. **22.5L**.

2) that China is willing to provide necessary assistance for the development of the required software, such as test comparisons, data verification and case analyses.

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