

GSOA Position on the ITU Issue of compliance by NGSO with aggregate interference limits

September 2023

Background:

An aggregate limit does exist in Resolution 76 of the ITU-R Radio Regulations, however a standard mechanism for its implementation has yet to be established. Considering the multiple non-GSO systems being deployed, this issue is presently under consideration at WRC-23 under Agenda Item 7 (Topic J).

Recommendation:

First, GSOA members agree that WRC-23 should approve a resolution which: (i) begins the consultative process whereby the aggregate interference of active and planned non-GSO systems (to be launched in the near future) is assessed, and (ii) identifies which steps are taken by non-GSO operators if the efd limits specified in Resolution 76 are determined to be exceeded.

As a general concept, possible constraints on non-GSO systems stemming from (ii) above should be based only on the efd statistics computed when considering only those non-GSO satellites that are active at the time of a given consultation meeting and the ones that are planned to be deployed before the next consultation meeting. Furthermore, the process also requires a measure of transparency, ensuring that non-GSO participants appropriately discharge their responsibility towards GSO networks.

Second, Continued technical work within the ITU-R (specifically Working Party 4A) is needed over the next few years on the matter of assessing aggregate interference from non-GSO systems. GSOA members are encouraged to participate as best as they can in the advancement of this work.

¹ For planning purposes, the consultative process may elect to carry out a subsequent analysis that considers the impact of future NGSO systems.