QUESTION ITU-R 139-4/7

Data transmission for Earth exploration‑satellite systems

(1990-1993-1995-2000-2011)

The ITU Radiocommunication Assembly,

considering

a) that the data transmission characteristics of Earth exploration-satellite systems, frequencies and bandwidths, and performance, interference and frequency sharing criteria are established by Recommendations ITU-R SA.514, ITU-R SA.1024, ITU-R SA.1025, ITU‑R SA.1026 and ITU‑R SA.1027, ITU‑R SA.1159, ITU-R SA.1160 and ITU-R SA.1161;

b) that the band 2 025‑2 110 MHz used for EESS (Earth-to-space) is getting increasingly congested,

decides that the following Questions should be studied

**1** What are the performance, interference, sharing and coordination criteria and operating characteristics of the different Earth exploration-satellite data transmission systems?

**2** What additional frequency bands would be suitable for EESS (E-s) links?

further decides

**1** that the results of the above studies should be included in (a) recommendation(s) and/or report(s);

**2** that the above studies should be completed by 2023.

Category: S2