question ITU-R 244/7[[1]](#footnote-1)\*

Interference between standard frequency and time signal services
operating between 20 and 90 kHz

(2006)

The ITU Radiocommunication Assembly,

considering

a) that the number of standard frequency and time signal (SFTS) radio broadcast services operating between 20 and 90 kHz are increasing;

b) that many existing services have increased or plan to increase radiated power;

c) that stations produce significant signal levels in areas served by other stations at identical frequencies;

d) that definitions for interference between stations are not well developed given their unique application for measuring epoch and phase of carrier;

e) that methods of measurement of signal strength and standard instrumentation to do so are not well developed or widely available;

f) that required algorithms/software for propagation calculations are not readily available,

decides that the following Question should be studied

**1** What are the definitions for interference between stations and what are their service areas?

**2** What algorithms are available/required for calculation of signal propagation and prediction of signal strength and signal-to-noise ratio (SNR)?

**3** What standard signal strength and SNR measurement procedures should be used and what instrumentation is available/necessary to perform these measurements?

**4** What standard procedures should be used to measure radiated power?

**5** What methods can be used to limit interference?

further decides

**1** that the results of the above studies should be included in (a) Recommendation(s);

**2** that the above studies should be completed by 2027.

Category: S2

1. \* This Question should be brought to the attention of Radiocommunication Working Party 1C [↑](#footnote-ref-1)