RESOLUTION [COM4/5]

Development of additional protection criteria for broadcasting services for frequency planning exercises during the intersessional period and for the development of a digital frequency plan during the second session

The first session of the Regional Radiocommunication Conference (Geneva, 2004),

considering

a) that ITU Council Resolution 1185 (modified, 2003) states that the development of a digital frequency plan needs to take into account, among others, the protection of analogue broadcasting stations;

b) that relevant protection criteria are required for the analysis of compatibility between the digital and analogue broadcasting services during the development of the new plan and during its implementation;

c) that protection criteria for terrestrial digital video broadcasting (DVB-T), terrestrial digital audio broadcasting (T-DAB) and analogue broadcasting services provided in Recommendations ITU-R BS.1660 and ITU-R BT.1368-4 may not cover all cases necessary for carrying out the required compatibility analysis,

recognizing

that additional protection criteria for broadcasting services for frequency planning exercises during the intersessional period and for the development of a digital frequency plan during the second session need to be developed,

resolves to invite ITU-R

to carry out studies, as a matter of urgency, in order to develop additional protection criteria for broadcasting services, not given in Recommendations ITU-R BS.1660 and ITU-R BT.1368-4 (listed in the Annex), for frequency planning exercises during the intersessional period and for the development of a digital frequency plan during the second session,

urges administrations

to actively participate in these studies and to provide, whenever available, measured protection ratios for sharing scenarios particularly mentioned in *resolves* and if possible for other options that may be required,

instructs the Secretary-General

to bring the results of the studies called for in this resolution to the attention of the second session of the Regional Radiocommunication Conference.

ANNEX

Development of additional protection criteria for broadcasting services for frequency planning exercises during the intersessional period and for the development of a digital frequency plan during the second session

The protection criteria required are listed below.

1) Protection of DVB-T interfered with by analogue terrestrial television.

– Wanted DVB-T systems defined as Reference Planning Configuration (RPC 1, RPC 2 and RPC 3) are described in § 3.6.2.2 of the report to the second session:
  - DVB-T 64-QAM-3/4 Ricean channel
  - DVB-T 16-QAM-2/3 Rayleigh channel
  - DVB-T 16-QAM-3/4 Rayleigh channel.

– Unwanted analogue television systems include:
  - B/PAL, B1/PAL, D/PAL, D1/PAL, K1/PAL, I/PAL, B/SECAM, D/SECAM, D1/SECAM, K1/SECAM, L/SECAM in VHF
  - G/PAL, H/PAL, I/PAL, K/PAL, K1/PAL, G/SECAM, K/SECAM, K1/SECAM, L/SECAM in UHF.

2) Protection of T-DAB interfered with by analogue terrestrial television.

– Wanted T-DAB.

– Unwanted analogue television systems include B/PAL, B1/PAL, D/PAL, D1/PAL, K1/PAL, I/PAL, B/SECAM, D/SECAM, D1/SECAM, K1/SECAM, L/SECAM in VHF.

3) Protection of analogue terrestrial television interfered with by DVB-T broadcasting.

– Wanted analogue television systems include:
  - B/PAL, B1/PAL, D/PAL, D1/PAL, K1/PAL, I/PAL, B/SECAM, D/SECAM, D1/SECAM, K1/SECAM, L/SECAM in VHF
  - G/PAL, H/PAL, I/PAL, K/PAL, K1/PAL, G/SECAM, K/SECAM, K1/SECAM, L/SECAM in UHF.

– Unwanted DVB-T.