RESOLUTION 234 (WRC-12)

Additional primary allocations to the mobile-satellite service within the bands from 22 GHz to 26 GHz

The World Radiocommunication Conference (Geneva, 2012),

considering

a) that ITU-R has studied the spectrum requirements for the satellite component of International Mobile Telecommunications (IMT) for the period 2010-2020, and the results are contained in Report ITU-R M.2077;

b) that the results in Report ITU-R M.2077 indicate a shortfall of spectrum available for the satellite component of IMT in the Earth-to-space direction of between 19 MHz and 90 MHz by the year 2020;

c) that the results in Report ITU-R M.2077 indicate a shortfall of spectrum available for the satellite component of IMT in the space-to-Earth direction of between 144 MHz and 257 MHz by the year 2020;

d) that MSS systems which are not part of the satellite component of IMT may also require additional spectrum,

further considering

a) that ITU-R has also studied the spectrum requirements for MSS broadband applications by the year 2020, and the results are contained in Report ITU-R M.2218;

b) that the results in Report ITU-R M.2218 indicate a shortfall of spectrum for MSS broadband applications of between 240 MHz and 335 MHz by the year 2020 in both the space-to-Earth and Earth-to-space directions,

recognizing

a) that MSS systems implementing the satellite component of IMT and broadband applications require additional spectrum;

b) that no allocations were made for the mobile-satellite service in the range 4-16 GHz at WRC-12, and therefore the shortfall of spectrum for satellite IMT and broadband applications still needs to be addressed,

further recognizing

a) that the bands from 22 GHz to 26 GHz include allocations to other services;

b) that unwanted emissions in the band 23.6-24 GHz (see No. **5.340**) will need to be limited to ensure protection of systems of the EESS (passive), SRS (passive) and radio astronomy services,

resolves to invite ITU-R

to complete, for WRC-15, sharing and compatibility studies towards additional allocations to the mobile-satellite service in the Earth-to-space and space-to-Earth directions, within portions of the bands between 22 GHz and 26 GHz, while ensuring protection of existing services within these bands as well as taking into account No. **5.340** and No. **5.149**,

invites administrations

to participate in the studies by submitting contributions to ITU-R.