

## RESOLUTION 744 (REV.WRC-23)

**Sharing between the mobile-satellite service (Earth-to-space) and the fixed and mobile services in the frequency band 1 668.4-1 675 MHz**

The World Radiocommunication Conference (Dubai, 2023),

*considering*

- a)* that WRC-03 made a global allocation to the mobile-satellite service (MSS) (Earth-to-space) in the band 1 668-1 675 MHz and a global allocation to the MSS (space-to-Earth) in the band 1 518-1 525 MHz;
- b)* that the band 1 668.4-1 675 MHz is also allocated to the fixed and mobile services;
- c)* that due to sharing conditions between MSS (space-to-Earth) and the aeronautical mobile service for telemetry in the band 1 518-1 525 MHz (see No. **5.348B**), MSS operation in the United States of America is unlikely to be feasible;
- d)* that the above constraints on the MSS in the band 1 518-1 525 MHz therefore limit the possible use of the band 1 668-1 675 MHz by the MSS in the United States of America;
- e)* that the band 1 670-1 675 MHz is used in Canada and the United States of America for the fixed and mobile services;
- f)* that some administrations operate transportable radio-relay systems in the band 1 668.4-1 675 MHz which could operate as part of the fixed or mobile service allocations;
- g)* that sharing between the mobile service and the mobile-satellite service (Earth-to-space) in the band 1 668.4-1 675 MHz has been studied in Recommendation ITU-R M.1799,

*resolves*

- 1 that the use of the band 1 668.4-1 675 MHz by systems in the mobile service is limited to transportable radio-relay systems;
- 2 that administrations operating transportable radio-relay systems should take into account the most recent version of Recommendation ITU-R M.1799, which states that, to adequately protect MSS networks, the e.i.r.p. of transportable radio-relay stations should not exceed  $-27$  dB(W/4 kHz) in the frequency band 1 668.4-1 675 MHz in the direction of the geostationary orbit;
- 3 that from 1 January 2015 administrations operating such systems in the mobile service shall limit the e.i.r.p. spectral density radiated in the direction of the geostationary orbit by these systems to  $-27$  dB(W/4 kHz) in the band 1 668.4-1 675 MHz;

**RES744-2**

4 that, in the band 1 670-1 675 MHz, stations in the MSS shall not claim protection from stations in the fixed and mobile services operating in Canada and the United States of America;

5 that *resolves* 1, 2 and 3 do not apply to stations in the fixed and mobile services operating in Canada and the United States of America.