# Use and future plans for frequency bands in relation to studies in CEPT on WRC-19 Agenda item 1.13

**Group:** ECC PT1
**Submission dates:** 11-05-2016 - 24-06-2016
**Introduction:**

The purpose of this questionnaire is to gather the views of CEPT administrations and industry on the frequency bands under study for WRC-19 agenda item 1.13 on International Mobile Telecommunications.

CEPT will need to decide on which bands to focus on in the preparations for WRC-19 Agenda item 1.13 and which studies need to be carried out.

WRC-19 Agenda item 1.13 is:

"to consider identification of frequency bands for the future development of International Mobile Telecommunications (IMT), including possible additional allocations to the mobile service on a primary basis, in accordance with Resolution 238 (WRC‑15)"

In Resolution 238 (WRC-15), ITU-R resolved to conduct the appropriate studies on the spectrum needs for the terrestrial component of IMT in the frequency range between 24.25 GHz and 86 GHz, and to conduct the appropriate sharing and compatibility studies[[1]](#_ftn1), taking into account the protection of services to which the band is allocated on a primary basis, for the frequency bands:

* 24.25-27.5 GHz[[2]](#_ftn2), 37-40.5 GHz, 42.5-43.5 GHz, 45.5-47 GHz, 47.2-50.2 GHz, 50.4-52.6 GHz, 66-76 GHz and 81-86 GHz, which have allocations to the mobile service on a primary basis; and
* 31.8-33.4 GHz, 40.5-42.5 GHz and 47-47.2 GHz, which may require additional allocations to the mobile service on a primary basis.

[[1]](#_ftnref1) Including studies with respect to services in adjacent bands, as appropriate.

[[2]](#_ftnref2) When conducting studies in the band 24.5-27.5 GHz, to take into account the need to ensure the protection of existing earth stations and the deployment of future receiving earth stations under the EESS (space-to-Earth) and SRS (space-to-Earth) allocation in the frequency band 25.5-27 GHz.

**Questions:**

Responses are invited from CEPT administrations on Questions 1 to 7.

Industry is invited to respond to Questions 6 and 7.

**Deadline for Responses:** 24th June 2016

|  |  |
| --- | --- |
| Responding organisation:  |  |
| Country:  |  |
| Address:  |  |
| E-mail:  |  |
| Contact name:  |  |

**Question 1:** Which incumbent services/applications are currently allocated/ assigned to bands listed in Resolution 238 within your country? (The frequency ranges can be split into sub-bands as appropriate)

31.8 - 33.4 GHz

37 - 40.5 GHz

40.5 - 42.5 GHz

42.5 - 43.5 GHz

45.5 - 47 GHz

47 - 47.2 GHz

47.2 - 50.2 GHz

50.4 - 52.6 GHz

66 - 76 GHz

81 - 85 GHz

24.25 - 27.5 GHz

**Question 2:** To what extent are those applications used (e.g. number of stations)? (The frequency ranges can be split into sub-bands as appropriate)

24.25 - 27.5 GHz

31.8 - 33.4 GHz

37 - 40.5 GHz

40.5 - 42.5 GHz

42.5 - 43.5 GHz

45.5 - 47 GHz

47 - 47.2 GHz

47.2 - 50.2 GHz

50.4 - 52.6 GHz

66 - 76 GHz

81 - 86 GHz

**Question 3:** Is there any expiry date for the existing licences? (The frequency ranges can be split into sub-bands as appropriate)

24.25 - 27.5 GHz

31.8 - 33.4 GHz

37 - 40.5 GHz

37 - 40.5 GHz

40.5 - 42.5 GHz

42.5 - 43.5 GHz

45.5 - 47 GHz

47 - 47.2 GHz

47.2 - 50.2 GHz

50.4 - 52.6 GHz

66 - 76 GHz

81 -86 GHz

**Question 4:** How widely are existing services deployed within your country (in space and time – for example the geographical deployment in urban versus rural areas)? (The frequency ranges can be split into sub-bands as appropriate)

24.25 - 27.5 GHz

31.8 - 33.4 GHz

37 - 40.5 GHz

40.5 - 42.5 GHz

42.5 - 43.5 GHz

45.5 - 47 GHz

47 - 47.2 GHz

47.2 - 50.2 GHz

50.4 - 52.6 GHz

66 - 76 GHz

81 - 86 GHz

**Question 5:** Do you have any future plans for these bands? (The frequency ranges can be split into sub-bands as appropriate)

24.25 - 27.5 GHz

31.8 - 33.4 GHz

37 - 40.5 GHz

40.5 - 42.5 GHz

42.5 - 43.5 GHz

45.5 - 47 GHz

47 - 47.2 GHz

47.2 - 50.2 GHz

50.4 - 52.6 GHz

66 - 76 GHz

81 - 86 GHz

**Question 6:** What are the issues / challenges that need be considered in order to allocate, identify and make available for use the bands for IMT-2020?

At the April 2016 meeting of ECC PT1 the question of a band priorisation / focus for CEPT studies was discussed (see section 10.9.4 - ECC PT1(16)083). As it was not possible to agree on a common approach to focus on certain bands at that point the issue will be discussed again at the September 2016 meeting of ECC PT1 based on responses to this questionnaire and other relevant input contributions.

**Question 7:** Which of the bands listed in Resolution 238 (or parts of these bands) should be priorities for study in CEPT under WRC-19 Agenda Item 1.13? Please explain why these bands should be prioritised.