QUESTION ITU-R 238-2/5[[1]](#footnote-1)\*, [[2]](#footnote-2)\*\*, [[3]](#footnote-3)\*\*\*

Mobile broadband wireless access systems

(2006-2007-2012)

The ITU Radiocommunication Assembly,

considering

*a)* that there is a need to provide broadband wireless access (BWA) in a variety of environments;

*b)* that it is desirable to recommend radio interface standards for mobile broadband wireless access systems;

*c)* that it is desirable to identify the technical and operational requirements for mobile broadband wireless access systems;

*d)* that in today’s radiocommunications, mobile “broadband” services provide similar capabilities and experience, with the added benefit of mobility, as is available from widely-deployed wireline networks, such as cable modems and higher speed DSL, in particular when receiving and transmitting multiple media applications;

*e)* that there are mobile and fixed systems currently in operation and also in development that provide broadband wireless access in various frequency bands;

*f)* that information transfer methods based on internet protocol (IP) are being used in broadband infrastructure;

*g)* that standardization bodies are addressing the architecture and technical features of broadband wireless access systems,

noting

*a)* that studies on BWA are also performed in the context of IMT systems (see Question ITU‑R 229/5);

*b)* that studies on fixed BWA and nomadic BWA are performed under the scope of Questions ITU‑R 215/5 and ITU-R 212/5, respectively,

decides that the following Questions should be studied

1 What are the technical and operational requirements for mobile broadband wireless access systems in the mobile service?

2 What are the applicable radio interface standards for mobile broadband wireless access systems in the mobile service?

3 What are the applicable antenna systems suitable for mobile broadband wireless access systems in the mobile service?

4What are the frequency sharing and/or compatibility criteria associated with BWA systems operating in the mobile service?

further decides

1 that the results of the above studies should be included in one or more Recommendations, Reports, or Handbooks;

2 the above studies should be completed by 2019.

Category: S2

1. \* Broadband wireless access is defined in Recommendation ITU-R F.1399. [↑](#footnote-ref-1)
2. \*\* This Question should be brought to the attention of ITU-D Study Group 2. [↑](#footnote-ref-2)
3. \*\*\* In the year 2015, Radiocommunication Study Group 5 extended the completion date of studies for this Question. [↑](#footnote-ref-3)