

QUESTION ITU-R 238-1/5*, **, ***

Broadband wireless access systems for the mobile service

(2006-2007)

The ITU Radiocommunication Assembly,

considering

- a) that there is a need to provide broadband wireless access for mobile terminals in a variety of environments;
- b) that it is desirable to recommend radio interface standards for broadband wireless access systems operating in the mobile service;
- c) that it is desirable to identify the technical and operational requirements for broadband wireless access systems operating in the mobile service;
- 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 systems currently in operation and also in development that provide broadband wireless access in various frequency bands;
- f) that information transfer methods based on asynchronous transfer mode (ATM) and 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 operating in the mobile service,

noting

that studies on BWA are also performed in the context of IMT-2000 and systems beyond (see Question ITU-R 229/8),

decides that the following Questions should be studied

- 1** What are the technical and operational requirements for broadband wireless access systems in the mobile service?
- 2** What are the applicable radio interface standards for broadband wireless access systems in the mobile service?
- 3** What are the applicable antenna systems suitable for broadband wireless access systems in the mobile service?
- 4** What are the frequency sharing and/or compatibility criteria associated with BWA systems operating in the mobile service?

* Broadband wireless access is defined in Recommendation ITU-R F.1399.

** This Question should be brought to the attention of ITU-D Study Group 2 and ITU-R Study Group 9.

*** Former Question ITU-R 238-1/8.

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 2010.

Category: C2

Copyright International Telecommunication Union/ITU Radiocommunication Sector