



*Radiocommunication Bureau*  
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Administrative Circular  
CAR/174

22 October 2004

## To Administrations of Member States of the ITU

**Subject: Proposed approval of 1 draft revised and 2 draft new Questions adopted by Radiocommunication Study Group 9 and suppression of 4 ITU-R Questions proposed at its meeting held on 30 September and 1 October 2004**

At the meeting of Radiocommunication Study Group 9 held on 30 September and 1 October 2004, 1 draft revised and 2 draft new Questions were adopted and it was agreed to apply the procedure of Resolution ITU-R 1-4 (see § 3) for approval of Questions in the interval between Radiocommunication Assemblies. Furthermore, the Study Group proposed the suppression of 4 Questions.

With regards to the provisions of § 3 of Resolution ITU-R 1-4, I should be grateful if you would inform me by 22 January 2005, whether your Administration approves or does not approve these Questions and the proposed suppressions.

After the above-mentioned deadline, the Director of the Radiocommunication Bureau will notify the results of this consultation by Administrative Circular. If the Questions are approved, they will have the same status as Questions approved at a Radiocommunication Assembly and will become official texts attributed to Radiocommunication Study Group 9 (see <http://www.itu.int/ITU-R/publications/download.asp?product=que09&lang=e>).

Valery Timofeev  
Director, Radiocommunication Bureau

### Annexes: 4

- 3 draft new and revised ITU-R Questions
- List of ITU-R Questions proposed for deletion

#### Distribution:

- Administrations of Member States of the ITU
- ITU-R Associates participating in the work of Radiocommunication Study Group 9
- Radiocommunication Sector Members participating in the work of Radiocommunication Study Group 9

## ANNEX 1

Source: Document 9/11

### DRAFT REVISION OF QUESTION ITU-R 125-6/9\*

#### **Point-to-multipoint fixed wireless systems used in access or back-haul networks**

(1990-1993-1995-1997-1999-2001-2002)

The ITU Radiocommunication Assembly,

*considering*

- a) that rapid advances are being made in point-to-multipoint (P-MP) systems to provide fixed wireless access (FWA) to the customers' premises and back-haul links to central stations;
- b) that such systems have many applications spanning the range from basic telephony, through low and high speed data, to interactive broadband services such as video;
- c) that such applications may be implemented for either digital or analogue transmission techniques and may offer service advantages such as ease of installation, portability and the rapid provision of connections;
- d) that advances in technology and new encoding, modulation and access schemes, are making practicable new sharing schemes that offer economical as well as technological advances for increasing the efficiency of spectrum sharing and band utilization;
- e) that such systems may operate in frequency bands where channelling plans have already been recommended by the ITU-R for point-to-point fixed ~~service~~wireless systems;
- f) that such systems are suitable for high-density deployment;
- g) that such systems may share frequency bands with other services ~~and new frequency coordination techniques may be appropriate,~~

*decides* that the following Question should be studied (see Note 1)

- 1 What are the appropriate modulation, baseband multiplexing and multiple access techniques for ~~point-to-multipoint~~P-MP fixed wireless systems for different types of transmitted signal and service requirements?
- 2 What are the methods which are suitable for circuit activation/deactivation of radio channels, especially when the system operates under the demand-assignment multiple access scheme?

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\* This Question should be brought to the attention of Radiocommunication Study Groups 4 (WP 4A) and 8 (WP 8A and WP 8F) ~~and Joint Rapporteur Group 8A-9B.~~

**3** What are the technical and operational characteristics of these systems, including those for high-density deployment, that influence various effects of interference to other systems sharing the same frequency band or operating in the adjacent band?

~~**4** What frequency bands allocated to the fixed service are most appropriate for such systems?~~

~~**54** Is it necessary to produce alternative-additional frequency channel arrangements specifically for ~~such~~ P-MP systems and what are the most appropriate arrangements including those based on frequency blocks (see *considering e*), and Note 2)?~~

~~**65** What are the criteria for determining the boundaries of service areas for P-MP fixed wireless systems?~~

~~NOTE 1 – Studies given in this Question basically refer to point-to-multipoint P-MP wireless systems without using in general including those mobile-derived ~~technology~~ technologies. Similar studies for FWA systems ~~based on mobile-derived providing broadband technologies wireless access~~ should be carried out under Question ITU-R [BWA-40/9] (Doc. 9/7).~~

~~NOTE 2 – See Recommendations ITU-R F.701, ITU-R F.755, ITU-R F.756, ITU-R F.757, ITU-R F.1104, ITU-R F.1401, ~~and~~ ITU-R F.1488, ITU-R F.1490 and ITU-R F.1518.~~

## ANNEX 2

Source: Document 9/7

### DRAFT NEW QUESTION ITU-R [BWA/9]\*,\*\*

#### **Fixed wireless systems providing broadband wireless access**

The ITU Radiocommunication Assembly,

*considering*

a) that rapid advances are being made in fixed wireless systems (FWS) to provide broadband wireless access (BWA) to the end user;

b) that it is technically feasible to apply broadband technologies for use in FWA systems,

*decides* that the following Question should be studied

**1** What are the technical and operational requirements and characteristics of BWA systems?

*further decides*

**1** that the results of the above studies should be included in one or more Recommendation(s);

**2** that the above studies should be completed by 2006.

Category: S1

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\* This Question should be brought to the attention of Radiocommunication Study Group 8 and Telecommunication Development Study Group 2.

\*\* It is proposed to suppress Question ITU-R 140-4/9 and Question ITU-R 125-6/9 and the draft revision thereof upon approval of this draft new Question.

## ANNEX 3

Source: Document 9/12

### DRAFT NEW QUESTION ITU-R [BBB/9]\*

#### **Fixed service applications using frequency bands above 3 000 GHz**

The ITU Radiocommunication Assembly,

*considering*

- a) that the World Radiocommunication Conference 2003 (WRC-03) has identified, as an item requiring studies by ITU-R, technical aspects of use of terrestrial optical free-space telecommunications;
- b) that studies of the possibility and relevance of including in the Radio Regulations frequency bands above 3 000 GHz are addressed in Question ITU-R 228/1;
- c) that the above use of terrestrial optical free-space telecommunications may include fixed service applications,

*decides* that the following Question should be studied

What are the technical and operational parameters, and the characteristics of terrestrial optical free-space telecommunications used for fixed service applications?

*further decides*

- 1 that the results of the above study should be included in one or more Recommendations/Reports;
- 2 that the initial studies should be completed by 2006.

Category: C2

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\* This Question should be brought to the attention of Radiocommunication Study Groups 1, 3 and 7.

## ANNEX 4

Source: Document 9/23

### List of ITU-R Questions proposed for suppression

<b>Question ITU-R</b>	<b>Title</b>	<b>Proposed category</b>	<b>Reference Document</b>
119-1/9	Limitation of unwanted emissions from radio-relay systems	SUP	9/23
140-4/9	Fixed wireless access (FWA) systems using mobile-derived technologies	SUP	9/23
142-2/9	Radio local area networks (RLANs)	SUP	9/23
231/9	Technical and operational aspects of coordination for area-licensed fixed wireless systems	SUP	9/23

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