INTERNATIONAL TELECOMMUNICATION UNION

Radiocommunication Bureau
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Administrative Circular
CACE/335

9 February 2005

To Administrations of Member States of the ITU and Radiocommunication Sector Members participating in the work of the Radiocommunication Study Groups and the Special Committee on Regulatory/Procedural Matters

Subject: Approval of 2 new ITU-R Questions and 1 revised ITU-R Question and their assignment to Radiocommunication Study Group 9 and the suppression of 4 ITU-R Questions

With reference to Administrative Circular CAR/174 of 22 October 2004, I wish to inform you that 2 draft new ITU-R Questions and 1 draft revised ITU-R Question have been approved by correspondence in accordance with Resolution ITU-R 1-4 (§ 3.4) and therefore constitute official texts for study by the Radiocommunication Study Groups. The texts of these Questions are attached for your reference and are contained in Addendum 1 Document 9/1 which contains the ITU-R Questions approved by the 2003 Radiocommunication Assembly and assigned to Radiocommunication Study Group 9.

In addition, the suppression of the 4 ITU-R Questions, listed in Annex 4, was approved.

Valery Timofeev
Director, Radiocommunication Bureau

Annexes: 4

Distribution:

- Administrations of Member States and Radiocommunication Sector Members
- Chairmen and Vice-Chairmen of Radiocommunication Study Groups and Special Committee on Regulatory/Procedural Matters
- Chairman and Vice-Chairmen of the Conference Preparatory Meeting
- Members of the Radio Regulations Board
- ITU-R Associates in the work of Radiocommunication Study Group 9
- Secretary-General of the ITU, Director of the Telecommunication Standardization Bureau, Director of the Telecommunication Development Bureau

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ANNEX 1

QUESTION ITU-R 125-7/9*

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

(1990-1993-1995-1997-1999-2001-2002-2005)

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 wireless systems;

f) that such systems are suitable for high-density deployment;

g) that such systems may share frequency bands with other services,

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

1 What are the appropriate modulation, baseband multiplexing and multiple access techniques for 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?

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?

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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).

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

5 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 P-MP wireless systems in general including those mobile-derived technologies. Similar studies for FWA systems providing broadband wireless access should be carried out under Question ITU-R 236/9.

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, ITU-R F.1488, ITU-R F.1490 and ITU-R F.1518.

ANNEX 2

QUESTION ITU-R 236/9*

Fixed wireless systems providing broadband wireless access

(2005)

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.

ANNEX 3

QUESTION ITU-R 237/9*

Fixed service applications using frequency bands above 3 000 GHz

(2005)

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

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

ANNEX 4

List of ITU-R Questions proposed for suppression

Question ITU-R	Title	Proposed category	Reference Document
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