

Commission Implementing Decision of 18 April 2011 amending Decision 2009/766/EC on the harmonisation of the 900 MHz and 1800 MHz frequency bands for terrestrial systems capable of providing pan-European electronic communications services in the Community (notified under document C(2011) 2633) (Text with EEA relevance) (2011/251/EU)

COMMISSION IMPLEMENTING DECISION

of 18 April 2011

amending Decision 2009/766/EC on the harmonisation of the 900 MHz and 1 800 MHz frequency bands for terrestrial systems capable of providing pan-European electronic communications services in the Community

(notified under document C(2011) 2633)

(Text with EEA relevance)

(2011/251/EU)

THE EUROPEAN COMMISSION,

Having regard to the Treaty on the Functioning of the European Union,

Having regard to Decision No 676/2002/EC of the European Parliament and of the Council of 7 March 2002 on a regulatory framework for radio spectrum policy in the European Community (Radio Spectrum Decision)⁽¹⁾, and in particular Article 4(3) thereof,

Whereas:

- (1) Commission Decision 2009/766/EC⁽²⁾ aims to harmonise the technical conditions for the availability and efficient use of the 900 MHz band, in accordance with Council Directive 87/372/EEC of 25 June 1987 on the frequency bands to be reserved for the coordinated introduction of public pan-European cellular digital land-based mobile communications in the Community⁽³⁾, and of the 1 800 MHz band for terrestrial systems capable of providing electronic communications services.
- (2) The efficient use of the 900 MHz and 1 800 MHz bands has been kept under review by the Member States with a view to covering additional technologies while ensuring technical compatibility with the GSM system and the UMTS system as defined in Directive 87/372/EEC by appropriate means.
- (3) On 15 June 2009 the Commission gave a mandate to the European Conference of Postal and Telecommunications Administrations ('the CEPT') pursuant to Article 4(2) of Decision No 676/2002/EC to define the technical conditions for allowing LTE and possibly other technologies into the 900 MHz and 1 800 MHz bands.
- (4) CEPT's response to the mandate is set out in CEPT Reports 40 and 41. Those Reports concluded that the LTE (Long Term Evolution) and WiMAX (Worldwide Interoperability for Microwave Access) systems can be introduced in the 900 MHz and

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Changes to legislation: There are currently no known outstanding effects for the Commission Implementing Decision of 18 April 2011 amending Decision 2009/766/EC on the harmonisation of the 900 MHz and 1800 MHz frequency bands for terrestrial systems capable of providing pan-European electronic communications services in the Community (notified under document C(2011) 2633) (Text with EEA relevance) (2011/251/EU). (See end of Document for details)

1 800 MHz bands using appropriate values for the separation between the channel edges of the respective carriers.

- (5) As regards coexistence between UMTS, LTE and WiMAX and aeronautical systems above 960 MHz, CEPT Reports 41 and 42 provide information and recommendations on how to mitigate interference.
- (6) The results of the work carried out pursuant to the mandate issued to CEPT should be applied in the Union and Member States should be required to implement as soon as possible given the increasing market demand for the introduction of LTE and WiMAX in these bands. In addition, Member States should ensure that UMTS, LTE and WiMAX give appropriate protection to existing systems in adjacent bands.
- (7) Harmonised standards EN 301908-21 and EN 301908-22 are being finalised by the European Telecommunications Standards Institute (ETSI) in order to give presumption of conformity with Article 3(2) of Directive 1999/5/EC of the European Parliament and of the Council of 9 March 1999 on radio equipment and telecommunications terminal equipment and the mutual recognition of their conformity⁽⁴⁾.
- (8) The Annex to Decision 2009/766/EC should therefore be amended accordingly.
- (9) The measures provided for in this Decision are in accordance with the opinion of the Radio Spectrum Committee,

HAS ADOPTED THIS DECISION:

Article 1

The Annex to Decision 2009/766/EC is replaced by the text in the Annex to this Decision.

Article 2

This Decision is addressed to the Member States.

Done at Brussels, 18 April 2011.

For the Commission

Neelie KROES

Vice-President

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ANNEX

ANNEX

LIST OF TERRESTRIAL SYSTEMS REFERRED TO IN ARTICLE 3 AND ARTICLE 4(2)

The following technical parameters shall be applied as an essential component of the conditions necessary to ensure coexistence in the absence of bilateral or multilateral agreements between neighbouring networks, without precluding less stringent technical parameters if agreed among the operators of such networks.

Systems	Technical parameters	Implementation deadlines
UMTS complying with UMTS Standards, as published by ETSI, in particular EN 301908-1, EN 301908-2, EN 301908-3 and EN 301908-11	<ol style="list-style-type: none"> 1. Carrier separation of 5 MHz or more between two neighbouring UMTS networks. 2. Carrier separation of 2,8 MHz or more between a neighbouring UMTS network and a GSM network. 	9 May 2010
LTE complying with LTE Standards, as published by ETSI, in particular EN 301908-1, EN 301908-13, EN 301908-14, and EN 301908-11	<ol style="list-style-type: none"> 1. A frequency separation of 200 kHz or more between the LTE channel edge and the GSM carrier's channel edge between a neighbouring LTE network and a GSM network. 2. No frequency separation is required between LTE channel edge and the UMTS carrier's channel edge between a neighbouring LTE network and a UMTS network. 3. No frequency separation is required between 	31 December 2011

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	LTE channel edges between two neighbouring LTE networks.	
WiMAX complying with WiMAX Standards, as published by ETSI, in particular EN 301908-1, EN 301908-21 and EN 301908-22	<ol style="list-style-type: none"> 1. A frequency separation of 200 kHz or more between the WiMAX channel edge and the GSM carrier's channel edge between a neighbouring WiMAX network and a GSM network. 2. No frequency separation is required between the WiMAX channel edge and the UMTS carrier's channel edge between a neighbouring WiMAX network and a UMTS network. 3. No frequency separation is required between WiMAX channel edges between two neighbouring WiMAX networks. 	31 December 2011

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- (1) [OJ L 108, 24.4.2002, p. 1.](#)
- (2) [OJ L 274, 20.10.2009, p. 32.](#)
- (3) [OJ L 196, 17.7.1987, p. 85.](#)
- (4) [OJ L 91, 7.4.1999, p. 10.](#)

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Changes to legislation:

There are currently no known outstanding effects for the Commission Implementing Decision of 18 April 2011 amending Decision 2009/766/EC on the harmonisation of the 900 MHz and 1800 MHz frequency bands for terrestrial systems capable of providing pan-European electronic communications services in the Community (notified under document C(2011) 2633) (Text with EEA relevance) (2011/251/EU).