

**Agreement between the Finnish Communications  
Regulatory Authority and the Swedish Post and  
Telecom Agency**

**concerning the use of the 800 MHz-band  
(790-862 MHz) for terrestrial systems**

December 2010

## **1. Principles and definitions**

- 1.1. The 800 MHz-band, as referred to in this agreement, covers the frequencies from 790 MHz to 862 MHz.
- 1.2. The use of the band shall be in accordance with the Commission Decision 2010/267/EU of 6 May 2010, based on the Block Edge Mask spectrum description, with the Frequency Division Duplex (FDD) arrangement. The use of other arrangements such as Time Division Duplex (TDD) is not covered in this agreement.
- 1.3. This agreement is based on the concept of field strength levels.
- 1.4. This agreement covers the co-ordination of the base stations. The user equipments, or terminals, are allowed to be used on non interfering basis, in accordance with ITU RR 4.4.
- 1.5. For the purpose of this agreement the Zones referred to in the following paragraphs are defined in Annex 1.

## **2. Use of frequencies without co-ordination by administrations**

- 2.1. Finland may use the 800 MHz-band without co-ordination with Sweden, if the predicted mean field strength produced by a base station does not exceed **54 dB( $\mu$ V/m)/5 MHz** at a height of 1.5 m above the ground at Zone S or beyond.
- 2.2. Sweden may use the 800 MHz-band without co-ordination with Finland, if the predicted mean field strength produced by a base station does not exceed **54 dB( $\mu$ V/m)/5 MHz** at a height of 1.5 m above the ground at Zone F or beyond.

## **3. General**

- 3.1. If a frequency assignment has to be co-ordinated, the period of co-ordination shall not exceed 45 days from the date of the receipt of the request and 20 days after the reminder. If no reply is received after 65 days the frequency assignment shall be considered as co-ordinated.
- 3.2. The exchange of the co-ordination information shall be in electronic form and sent by e-mail or by other electronic means as appropriate.
- 3.3. Preliminary co-ordination may take place between the operators concerned. The results of such preliminary co-ordination must be approved by the administrations.

- 3.4. A complaint in case of harmful interference shall be based on the median values of measurements of field strength, performed at 1.5 meter of receiving antenna height at least on two different occasions over a range of at least 100 m along the border.
- 3.5. In the presence of interference, the report of harmful interference shall be presented in accordance with Appendix 10 of the Radio Regulations. The other administration shall take all possible steps in order to eliminate the interference.
- 3.6. The field strength values in this agreement are based on a receiving antenna height of 1.5 m, 10% of the time and 50% of the locations.
- 3.7. The latest version of ITU-R P.1546 "Method for point-to area predictions for terrestrial services in the frequency range 30-3000 MHz" shall be used.

#### **4. Revision and cancellation**

- 4.1. This agreement may be revised or cancelled as desired by one of the administrations with a notice of twelve months.

## 5. Enter into force

- 5.1. This agreement shall come into effect from date of signature.
- 5.2. This agreement has been drawn in two identical copies, one for Finland and one for Sweden.

Place

Place

Date

Date

For the Finnish Communications  
Regulatory Authority

For the Swedish Post and  
Telecom Agency

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Kirsi Karlamaa  
Director, Radio Frequencies

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Urban Landmark  
Director of Spectrum Markets  
Department

## **In Finland**

### **Zone F**

The land border between Sweden and Finland.

The coastline of Finland.

At Åland:

- A line between Norrskär (60° 32' 24" N, 20° 12' 30" E), Ådskär (60° 21' 03" N, 19° 31' 17" E), Västerön (60° 14' 17" N, 19° 28' 30" E) , Askö (59° 59' 20" N, 19° 59' 19" E) and Kalskär (59° 47' 51" N, 20° 57' 50" E)

At Vasa:

- A line between Mickelsöarna (63° 28' 30" N, 21° 44' 40" E), Lappöarna (63° 22' 03" N, 21° 11' 00" E) and Bergö (62° 58' 41" N, 21° 06' 59" E)

At Uleåborg:

- Hailuoto (65° 02' 23" N, 24° 33' 04" E)

## **In Sweden**

### **Zone S**

The land border between Finland and Sweden.

The coastline of Sweden.

At the coast of Uppland and Stockholm archipelago:

- A line between Argos grund (60° 37' 42" N, 18° 21' 47" E), Simpnäsklubb (59° 53' 34" N, 19° 04' 46" E), Söderarm (59° 45' 10" N, 19° 24' 21" E), Svenska högarna (59° 26' 38" N, 19° 30' 06" E) and Huvudskär (58° 47' 46" N, 18° 34' 13" E)