

Agence Nationale des Fréquences



INSTITUT LUXEMBOURGEOIS DE RÉGULATION

**AGREEMENT**  
**concluded between the**  
**Administrations of**  
**GERMANY, BELGIUM, FRANCE and**  
**LUXEMBOURG**  
**concerning the co-ordination**  
**in the frequency bands**  
**890-915 MHz and 935-960 MHz**

## 1 - INTRODUCTION

The representatives of the Administrations of Belgium, Germany, France and Luxembourg have concluded under Article 6 of the Radiocommunications Regulatory, the following Agreement for the co-ordination in the frequency bands 890-915 MHz and 935-960 MHz, of the Terrestrial Mobile Service in order to prevent the mutual harmful interferences and optimise usage of the spectrum on the basis of mutual agreement.

In Germany, Belgium, France and Luxembourg, the frequencies bands 890-915 MHz et 935-960 MHz are designated for the "Global System for Mobile Communications (GSM)", in application to the ERC/DEC/(94)01 Decision.

Consequently, the Administrations of Germany, Belgium, France and Luxembourg agreed on the following co-ordination procedure for the GSM systems, in the framework of the last version of the « Agreement concluded between the Administrations of Austria, Belgium, Czech Republic, Germany, France, Hungary, the Netherlands, Croatia, Italy, Liechtenstein, Lithuania, Luxembourg, Poland, Romania, Slovak Republic, Slovenia and Switzerland for the de co-ordination of frequencies between 29,7 MHz and 39,5 GHz for the Fixed Service and the Terrestrial Mobile Service (Berlin, November 18th 2003) », named here after « Agreement 2003 ».

## 2 - CO-ORDINATION PROCEDURE

This co-ordination procedure is based on the preferential frequency concept. The frequency bands 890-915 MHz and 935-960 MHz are divided in blocks of preferential frequencies and non preferential for each Administration as shown below :

GSM channel number	Boarder Zone F/BEL	Boarder Zone F/BEL/LUX/D
1 à 16	Preferentials : F Non Preferentials : BEL	Preferentials : F Non Preferentials : BEL, LUX, D
17 à 31	Preferentials : F Non Preferentials : BEL	Preferentials : LUX Non Preferentials : BEL, F, D
32	Preferentials : BEL Non Preferentials : F	Preferentials : LUX Non Preferentials : BEL, F, D
33 à 63	Preferentials : BEL Non Preferentials : F	Preferentials : D Non Preferentials : BEL, F, LUX
64 à 79	Preferentials : BEL Non Preferentials : F	Preferentials : BEL Non Preferentials : F, LUX, D
80 à 93	Preferentials : BEL Non Preferentials : F	Preferentials : LUX Non Preferentials : F, BEL, D
94	Preferentials : F Non Preferentials : BEL	Preferentials : LUX Non Preferentials : F, BEL, D
95 à 109	Preferentials : F Non Preferentials : BEL	Preferentials : BEL Non Preferentials : F, LUX, D
110 à 124	Preferentials : F Non Preferentials : BEL	Preferentials : F Non Preferentials : BEL, LUX, D

For the GSM900, the formula to calculate the central frequency is :

F in MHz (uplink) =  $890 + 0,2 \cdot n$

F in MHz (downlink) =  $935 + 0,2 \cdot n$ ,

n = 1 to 124 and n is the channel number.



The provision 4.2.4 of the « Agreement 2003 » does not apply.

#### 2.1 Preferential frequencies :

For a preferential frequency, the fieldstrength level shall not exceed the maximum value of 19 dB ( $\mu\text{V}/\text{m}$ ) at 3 m above the ground on a 15 km line inside the other country.

#### 2.2 Non preferentials frequencies :

For a non preferential frequency, the fieldstrength level shall not exceed the maximum value of 19 dB ( $\mu\text{V}/\text{m}$ ) at 3 m above the ground on every point of the boarder.

#### 2.3 Fieldstrength prediction

The fieldstrength level will be calculated with the official common version of the Harmonised Calculations Method « HCM », as indicated in the « Agreement 2003 ».

### **3 - REVISION**

Each Administration can request a revision of this Agreement. Each part of this Agreement can be revised in the light of the future developments on the usage of those frequency bands.

### **4 - WITHDRAWING AND ABROGATION OF THE AGREEMENT**

Each Administration may withdraw from this Agreement subject to 6 months notice.

### **5 - LANGUAGE**

This Agreement exists in French and English languages in four original versions each Administration having an original version in each languages, both texts being equally authoritative.

A handwritten signature in black ink, consisting of several stylized, overlapping loops and lines, located in the bottom right corner of the page.

**6 - DATE OF ENTRY INTO FORCE**

This Agreement enters into force on the 2nd of May 2005.

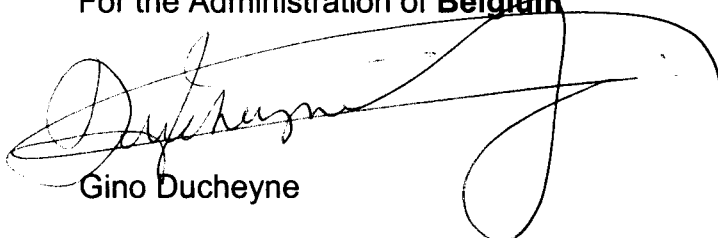
Done at Maisons-Alfort on the 9th March 2005

For the Administration **France**



Antoine Rigole

For the Administration of **Belgium**



Gino Ducheyne

For the Administration of **Luxembourg**



Roland Thurmes

For the Administration of **Germany**



Thomas Heutmann