

ARRANGEMENT

**between
the Electronic Communications Office of the Republic of Latvia
and the Administration of the Russian Federation
concerning the use of the frequency bands
453.0-457.5 MHz / 463.0-467.5 MHz
for land mobile service systems in border areas**

Riga, 2013

Preamble

According to Article 6 of the ITU Radio Regulations, representatives of the Electronic Communications Office of the Republic of Latvia and the Administration of the Russian Federation (hereinafter referred to as the Parties) have concluded this Arrangement concerning the use of the 453.0-457.5 MHz / 463.0-467.5 MHz frequency bands for land mobile service systems in border¹ areas (hereinafter referred to as the Arrangement), with the aim of optimizing the use of these frequency bands and avoiding mutual interference on a mutually coordinated basis.

1. Principles

1.1. The Arrangement is based on provisions of ECC Report 108 of October 2007 (Vienna) „Border Code Coordination between CDMA2000 systems in 450 MHz band” (hereinafter referred to as ECC Report 108) utilising the principle of preferential and non-preferential codes, also known as offset indices, and on the principle of equal access to spectrum by both Parties.

1.2. This Arrangement extends solely to CDMA2000 systems with coinciding (aligned) channel central frequencies. In other cases guidelines set in CEPT Recommendation T/R 25-08 shall be followed.

1.3. The Parties agree that the principal CDMA2000 channel parameters are derived from the 3GPP2 Specification C.S0010-A “Recommended Minimum Performance Standards for cdma2000 Spread Spectrum Base Stations”. The channel bandwidth is 1.25 MHz and preferable channel numbers are 160, 210 and 260. Central frequencies of CDMA2000 channels are given in Annex 1 to this Arrangement.

1.4. Each base station shall use a unique time offset of the pilot pseudonoise sequence to identify a forward CDMA2000 channel. This time offset is identified by offset indices or codes (0 through 511 inclusive). As stipulated in ECC Report 108, the codes are divided into six code groups and are distributed equally between the Republic of Latvia and the Russian Federation ensuring each country three preferential index sets given in Annex 2 to this Arrangement.

1.5. This Arrangement covers coordination of base stations.

2. Use of frequencies and codes

2.1. Each Party may use CDMA2000 channels with its preferential codes without coordination with the other Party if the predicted mean field strength value produced by the base station carrier does not exceed 43.5 dBμV/m/1.25 MHz at the border.

2.2. Each Party may use CDMA2000 channels with the preferential codes of the other Party without coordination with the other Party if the predicted mean field strength value produced by the base station carrier does not exceed 20 dBμV/m/1.25 MHz at the border.

2.3. The field strength values in this Arrangement are defined for a receiving antenna height of 3 m above ground for 50% of time and 50% of locations.

3. Procedure

3.1. If the predicted field strength value of a base station carrier exceeds the levels indicated in items 2.1 and 2.2, the frequency assignment shall be coordinated with the other Party.

3.2. The period of coordination shall not exceed 65 days from the date of receiving the request and 20 days after the reminder. If no reply is received within 85 days the frequency assignment shall be considered as coordinated. The exchange of coordination information shall take place by e-mail or other electronic means.

¹ In the context of this Arrangement the term “border” is understood as the international borderline between the countries of the Parties

3.3. When requesting coordination the relevant characteristics of the base station shall be forwarded to the Party affected in the appropriate ITU electronic formats.

3.4. Complaints of harmful interference shall be based on the median value of measurements of field strength, performed at a receiving antenna height of 3 m above ground at least in two different points over a distance of at least 100 m along the border.

3.5. Reports of harmful interference shall be presented in accordance to Appendix 10 of the ITU Radio Regulations and processed according to Article 15 of the ITU Radio Regulations.

3.6. For field strength calculations the Parties shall use the latest version of Recommendation ITU-R P.1546 "Method for point-to-area predictions for terrestrial services in the frequency range 30 MHz to 3000 MHz".

4. Revision and cancellation

4.1. This Arrangement may be revised at any time on the initiative of any Party with the consent of the other Party.

4.2. This Arrangement may be cancelled by a mutual decision of both Parties on terms and conditions adopted by the Parties or by a decision of one Party notifying the other Party on its intention at least six months before.

5. Entry into force

5.1. This Arrangement shall come into force on the date of signing it by both Parties.

5.2. This Arrangement has been drawn up in two identical copies, one for the Republic of Latvia and one for the Russian Federation.

Riga, 17 May 2013

On behalf of the Electronic
Communications Office of the
Republic of Latvia

On behalf of the Administration of
the Russian Federation

**Central frequencies of channels according to the 3GPP2 Specification C.S0010-A
“Recommended Minimum Performance Standards for CDMA2000 Spread Spectrum
Base Stations”**

	CDMA2000 channel numbers		
	160	210	260
Uplink, MHz	453.975	455.225	456.475
Downlink, MHz	463.975	465.225	466.475

**Distribution of preferential sets of code groups
between the Republic of Latvia and the Russian Federation²**

Set	A	B	C	D	E	F
Code indices	2...85	86...168	173...253	258...338	343...425	426... 509
Set preferential to	LVA ³	LVA	RUS ⁴	LVA	RUS	RUS

² According to the ECC Report 108

³ LVA - the Republic of Latvia

⁴ RUS - the Russian Federation