

A G R E E M E N T

**between the Telecommunication Administrations
of Estonia and Latvia concerning use of the frequency band
876 – 880 / 921 – 925 MHz for the
Land Mobile Service in the border area**

Tallinn, 17.05.2007

1. General

The Telecommunication Administrations of Estonia and Latvia (hereinafter referred as Parties) in accordance with Article 6 of Radio Regulations have concluded this Agreement on the use of the 876 – 880 / 921 – 925 MHz band in order to reduce the risk of harmful interference to Land Mobile Service stations and facilitate the bilateral frequency coordination procedure for launching radio systems in frequency band mentioned above.

In order to eliminate possible disagreements the Parties, if necessary, will be guided by the provisions of the latest version of ECC Recommendation (05)-08 “Frequency Planning and frequency coordination for the GSM 900, GSM 1800, E-GSM and GSM-R Land Mobile Systems”, while effecting coordination of the frequency assignments to stations in the Land Mobile Service.

Based on ECC Decision (02)05 the frequency band 876 – 880 / 921 – 925 MHz is designated for railway purposes (R-GSM900).

2. Frequencies

The centre frequencies of duplex channels in the 876 – 880 MHz and 921-925 MHz frequency bands formed with a 200 kHz step are allocated as preferential channels between the Parties and listed in Annex 1. The allocation is made on the principle of equitable access to radio frequency spectrum (10 preferential channels for each country).

3. Characteristics

3.1. Each Party may use its preferential channels without coordination with the other Party if the field strength value of the relevant base station carrier does not exceed 19 dB μ V/m at an antenna height of 3 m above ground level at a distance of 15 km inside the neighbouring country.

3.2. Each Party can use preferential channels of the other Party without coordination if the field strength value from the carrier of the base station does not exceed 19 dB μ V/m at an antenna height of 3 m above ground level at the border line between the two countries.

3.3 Field strength values shall be calculated and measured for 10 % of time and 50 % of locations. The propagation model used to determine the interference field-strength should be the method for point-to-area predictions for Terrestrial Services taken from the latest version of the relevant ITU-R Recommendation.

3.4. If the field strength value of any base station carrier exceeds the level stated above (items 3.1 and 3.2) the frequency assignment shall be coordinated with the other Party.

3.5. The period of replying to a coordination request shall not exceed 60 days from the date of the receipt of the request by fax and 15 days after the reminder. If there is no reply after 75 days from the date of the receipt of the request the frequency assignment shall be considered as coordinated.

3.6. Interference complaints shall be presented in accordance with the relevant provisions of ITU Radio Regulations. The Parties shall take all possible measures to eliminate the interference.

3.7. Five channels within the 876.000 – 876.100 MHz frequency band are harmonised within Europe and intended for Direct Mode Operation (DMO) of R-GSM900 systems. Both Parties may use the above mentioned channels without coordination on a non-protected basis. Parameters intended for systems operating in the DMO mode are listed in Annex 1.

4. Revision of the Agreement

4.1 The present Agreement can be revised at any time on the initiative of any Party with the consent of other Party.

4.2 This Agreement can be cancelled by mutual decision of both Parties on terms and conditions adopted by these Parties.

5. Coming into force

The present Agreement comes into force on the date of signing.

The present Agreement is concluded in English in two copies.

Tallinn

May 17, 2007

For the Estonian National
Communications Board:

For the Electronic
Communications Office of Latvia:

Allocation of preferential channels between the Administrations of the Latvia and Estonia
in the 876-880/921-925 MHz frequency bands

Channel number (based on EN 301 087)	Transmitting centre frequency of mobile station (MHz)	Transmitting centre frequency of base station (MHz)	Preferential channel allocated to
955	876.200	921.200	EST
956	876.400	921.400	EST
957	876.600	921.600	EST
958	876.800	921.800	EST
959	877.000	922.000	EST
960	877.200	922.200	LVA
961	877.400	922.400	LVA
962	877.600	922.600	LVA
963	877.800	922.800	LVA
964	878.000	923.000	LVA
965	878.200	923.200	LVA
966	878.400	923.400	LVA
967	878.600	923.600	LVA
968	878.800	923.800	LVA
969	879.000	924.000	LVA
970	879.200	924.200	EST
971	879.400	924.400	EST
972	879.600	924.600	EST
973	879.800	924.800	EST
974	880.000	925.000	EST

EST – 10 channels LVA – 10 channels

Frequency channels 876.0125 MHz, 876.0250 MHz, 876.0375MHz, 876.0500 MHz and 876.0625 MHz are designated for the direct mode operation (DMO) with following technical parameters:

Parameter	Mobile station
Channel spacing	12.5 kHz
Power of transmitter	30 dBm
Bandwidth of receiver	8 kHz
Antenna height	1.5 m
Antenna gain	0 dBi
Active Interferer Density Range	alternating
Receiver sensitivity	-107 dBm
Receiver protection ratio	21 dB
Characteristic of power control	is not used