

**Summary Record**

**of the working meeting between the representatives from  
the Administrations of Telecommunication of the Republic of Belarus,  
Republic of Lithuania, Republic of Poland and the Russian Federation for  
the coordination of the frequency assignments to the stations in the land  
mobile service in the border areas**

**Warsaw, March 6-10, 2000**

## Introduction

The representatives from the Administration of Telecommunication of the Republic of Belarus, the Republic of Lithuania, Republic of Poland and the Russian Federation hereunder referred as to the Parties met in Warsaw during the period March 6 – 10, 2000 for the coordination of the frequency assignments to the stations in the land mobile service in the border areas.

The lists of the delegations are provided in Appendix 1.

The draft agenda for the meeting was presented.

The Lithuanian Party proposed to add the frequency band 77,8 – 84 MHz to the Agenda of the meeting.

Lithuanian proposal was accepted by all the concerned parties.

The agreed Agenda for the meeting is provided in Appendix 2.

## Technical discussions

### **1. Exchange of the opinions on the principles of the mutual coordination of the frequency assignments to stations in the land mobile and TV and VHF FM broadcasting services in the frequency bands 47-50, 66-77.8, 77.8-84, 84-87.5 MHz.**

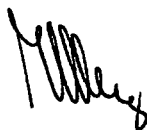
1.1. The Parties discussed the coordination principles for the stations in the land mobile and VHF FM broadcasting services in the above-mentioned bands.

A mutual coordination of frequency assignments to the above-mentioned services is rather complicated. During the discussions several matters requiring further examination were identified. The list of these matters is given in Appendix 3.

The Administration of Telecommunication of Poland currently arranges the coordinated stations in the land mobile service in the above-mentioned bands and simultaneously excludes from the ST-61 Plan and from the IFL the 1-5 TVC stations and VHF FM stations operating in the band 65.9-74 MHz.

The Administrations of Telecommunications of Belarus and Russia will continue to develop the radio broadcasting service as following: TV service in the frequency bands of the 1-4 TVC and VHF FM broadcasting service in the 65.9-74 MHz band.

The Administration of Lithuania plans also to arrange the stations in the fixed and mobile services in the 66-73 MHz band and in the bands of the 1, 3, 4 TV-channels; the stations in the land mobile service in the 73-74 MHz band.



For the development of the technical basis for the mutual coordination between the stations in the land mobile service and TV and VHF FM broadcasting, it is advisable to use the ITU-R Rec.851.

1.2. The Parties agreed to submit to the Administration of Poland by 30.06.2000 their proposals on the matters specified in the Appendix 3. The Administration of Poland shall examine the submitted information and provide the Administrations of Telecommunications of Belarus, Lithuania and Russia with the draft of the technical basis for the mutual coordination between stations in the land mobile and TV and VHF FM broadcasting services by 30.09.2000.

**2. Preferential division in the frequency bands: 146-174 MHz, 300-308/336-344 MHz , 410 - 430 MHz, 453 – 457.5 / 463 – 467.5 MHz, 457.6 - 460 / 467.6 - 470 MHz**

**2.1. Band 146 – 174 MHz.**

- The Belarussian and Polish Administrations of Telecommunications agreed the preferential division of frequency channels in the aforementioned band. It is contained in Annex 1. Taking account of the fact that at this meeting the Belarussian and Polish Parties signed the Agreement concerning the preferential allocation of the radio channels in the frequency bands 146-174 MHz, the Parties agreed to consider the Agreement concerning the preferential allocation of channels in the frequency band 157-158 MHz, concluded between the above mentioned Parties from 16 to 20 November 1998 (item, 4.4, Summary Report, 16-20 November 1998) as no longer valid.
- The Polish Party provided the Russian Party with its proposals concerning the allocation on the preferential channels in the frequency band 146-171 MHz with the 25 kHz step as well as in the 147.8-147.950 MHz frequency band of the Ministry of the Internal Affairs of Poland;

**2.2. Band 300 – 308 MHz / 336 – 344 MHz.**

- The Polish and Russian Parties exchanged their opinions on the allocation on preferential channels in the frequency bands 300-308/336-344 MHz and agreed to continue the discussions of the above-mentioned matters by correspondence. In this frequency band the Polish Party will take into account the operating receiving and transmitting stations of the ALTAI system within the frequency bands provided by the Russian Party. The Russian Party will provide the Polish Party with the technical data of the



ALTAI system to calculate the electromagnetic compatibility between the ALTAI systems and the NATO aviation systems (AMS).

- The Belarussian and Polish Administrations of Telecommunications agreed the preferential division of frequency channels in the aforementioned band. It is contained in Annex 2.
- The Administration of Telecommunications of the Republic of Belarus currently uses and will continue to use in the future the frequency bands 301.1250-301.5250/337.1250-337.5250 MHz by the stations in the land mobile service in Brest and Grodno.

### 2.3. Band 410-430 MHz.

- The Belarussian, Lithuanian and Polish Administrations of Telecommunications agreed the preferential division of frequency channels in the aforementioned band. It is contained in Annex 3.

### 2.4. Band 453-457,7/463-467,5 MHz.

- The Belarussian, Lithuanian and Polish Administrations of Telecommunications agreed the preferential division of frequency channels in the aforementioned band. It is contained in Annex 4.

### 2.5. Band 457-460/467-470 MHz.

- The Lithuanian and Polish Administrations of Telecommunications agreed the preferential division of frequency channels in the aforementioned band. It is contained in Annex 5.


The Russian Party provided the Polish Party with its proposals concerning the allocation on the preferential channels in the following frequency band: 457.5-460/467.5-470 MHz with the 25 kHz step taking into account of the CEPT Recommendation T/R 22-01;

## 3. Examinations and agreement of the coordination procedures.

3.1. The Lithuanian and Polish Administrations of Telecommunications proposed to accept 45 days plus 15 days after the reminder as the deadline to answer to the coordination request in accordance with item 4.1.3. of the Vienna Agreement'93. The Administrations of Telecommunications of the Republic of Belarus and the Russian Federations consider it necessary That the duration of the coordination process shall not exceed 60 days.

### 3.2. Coastal areas

- Concerning the stations located in the coastal areas the Russian and Polish Parties agreed on the following:



- Each Party may use its preferential channels without coordination with the neighboring country if the field strength value from the interfering station does not exceed the allowable interference field strength value (E all.int.) at 10 m antenna height above the ground level at the coastal line of the neighboring country for 10% of time and 50% of locations.
- Each Party may use the preferential channels of the other Party without coordination with the neighboring country if the field strength value from the interfering station does not exceed the allowable interference field strength value (E' all.int.) at 10 m antenna height above the ground level at the coastal line of the neighboring country for 10% of time and 50% of locations.

The E all.int and E' all.int. values are given in Table 1:

**Table 1**

<b>Frequency bands, MHz</b>	<b>E all.int, dB<math>\mu</math>V/m</b>	<b>E' all.int. dB<math>\mu</math>V/m</b>
29.7 – 47.0	20	0
47.0 – 87.5	26	6
146.0 – 174.0	32	12
300.0 – 350.0	46	17
380.0 – 400.0	48	18
400.0 – 470.0	54	20
862.0 – 960.0	60	26

The norms provided in Table 1 are the provisional ones and can be specified upon mutual agreement during the coordination process.

**4. Agreement of the procedure of delegating authorization to perform coordination to cellular networks.**

In the framework of the coordination meeting a discussion was held between the Polish and the Belarus NMT-450 cellular networks representatives, concerning the possibility of mutual coordination of channels utilization in these networks. After initial discussion it was agreed that this issue requires further consideration.

**5. AOB.**

**5.1. Band 403-406 MHz.**

- The Lithuanian and Belarussian Administrations of Telecommunications agreed the preferential division of frequency channels in the aforementioned band. It is contained in Annex 6.

5.2. The Belarussia Party provided the Russian Party with its proposals concerning the allocation on the preferential channels in the following frequency bands:

- 440-450 MHz
- 458-459/468-469 MHz.

5.3. The Lithuanian and Russian Parties held a meeting for the coordination of the use of frequency assignments to stations in the land mobile and fixed services and signed an appropriate Summary Record.



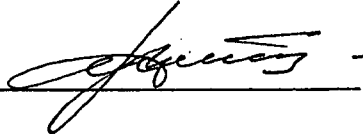
## Coming into force

The present Agreement inures from the moment of the signing of its by both Telecommunications Administrations.

The present Agreement has been drawn up in English version in two copies:

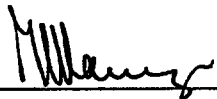
- One copy for Belarussia
- One copy for Lithuania
- One copy for Poland
- One copy for Russia

On behalf of Telecommunications Administration of Belarussia

  
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Valery A. Semeiko

On behalf of Telecommunications Administration of Lithuania

  
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Henrikas Varnas

On behalf of Telecommunications Administration of Russia

  
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Victor M. Eliseev

On behalf of Telecommunications Administration of Poland

  
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Grzegorz Pachniewski

**A G R E E M E N T**

**between Telecommunications Administrations of Belarus, Lithuania and  
Poland about the utilisation of the frequency band  
410 – 420/420 – 430 MHz for land mobile service and fixed service facilities  
in the border areas**



## Preamble

According to Article S6 of Radio Regulations, the representatives of Telecommunications Administrations of Belarus, Lithuania and Poland have concluded the present Agreement concerning the utilisation of the frequency bands 410 – 420 / 420 – 430 MHz with the purpose of preventing from mutual interference to fixed and land mobile services and optimising the use of above-stated frequency band on a mutually coordinated basis.

In order to eliminate the possible disagreements, the Telecommunications Administrations of Belarus, Lithuania and Poland will be guided by necessity of observance of the main provisions of the Vienna Agreement and CEPT Recommendation T/R 25-08, while carrying out the coordination of the frequency assignments.

### 1. Frequencies

1.1. The central frequencies of the duplex channels in the 410 – 420 / 420 – 430 MHz frequency bands are formed with a step, appropriate to the 25 kHz channel spacing, are allocated as preferential between Telecommunications Administrations of Republic of Belarus, Lithuania and Poland in view of equal numbers of duplex channels in accordance with Annex 1.

1.2. Provisions of this Agreement shall be applicable for the stations situated in the circular area of 50 km radius around the point of LTU/POL/RUS borders' junction.

### 2. Characteristics

2.1. Each Telecommunications Administration may use its preferential channels without coordination with the neighbouring country, if the field strength value at a distance of 50 km inland from the border of the neighbouring country at 10 m antenna height above the ground level does not exceed 20 dB $\mu$ V/m for 10 % of the time and 50 % of the locations.

2.2. Each Telecommunications Administration can use preferential channels of the other Telecommunications Administration, if the field strength value from the interfering station not exceeds 20 dB $\mu$ V/m at 10 m antenna height above the ground level at the border between the two states for 10 % of the time and 50 % of the locations.



2.3. If the field strength value exceeds the above - stated level (items 2.1 and 2.2) a frequency assignment shall be coordinated with the other Telecommunications Administrations.

2.4. The 25 kHz adjacent channel radiated power should be attenuated at least by value defined in Annex 4 of CEPT Recommendation T/R 25-08.

2.5. Each Telecommunications Administration should inform the neighbouring countries about the introduced frequency assignments on preferential channels prior to the beginning of the frequency assignment use.

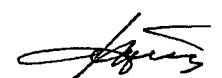
2.6. The coordination procedure, and also the form and volume of the information, submitted to coordination of the frequency assignment, should meet the Vienna Agreement with the account, that the duration of coordination process does not exceed 60 days. The Telecommunications Administrations can also agree to other procedures.

2.7. In the presence of interference the claims should be showed in accordance with the Appendix S10 of Radio Regulations or the appropriate Annex of the Vienna Agreement. The Telecommunications Administrations must take all possible measures in order to eliminate the interference.

### **3. Revision of the Agreement**

3.1. The present Agreement can be extended or complemented at any time by the initiative of any Telecommunications Administration in the presence of other Administrations consent.

3.2. This Agreement can be revised or cancelled by the decision of one Telecommunications Administration on the assumption of notification of other Administrations before one year.



#### 4. Coming into force

The present Agreement inures from the moment of the signing of its by all Telecommunication Administrations.

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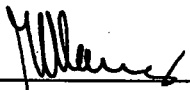
- One copy for Belarus
- One copy for Lithuania
- One copy for Poland

On behalf of Telecommunications Administration of Belarus

  
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Valery A. Semeiko

On behalf of Telecommunications Administration of Lithuania

  
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Henrikas Varnas

On behalf of Telecommunications Administration of Poland

  
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Grzegorz Pachniewski

Allocation of preferential radio channels in the frequency bands  
410,000 - 420,000 MHz / 420,000 - 430,000 MHz  
between Telecommunication Administrations of Belarus, Lithuania and Poland.

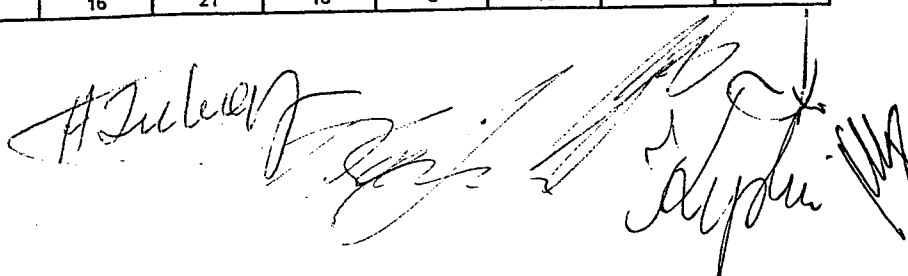
f [kHz]	410 / 420	411 / 421	412 / 422	413 / 423	414 / 424	415 / 425	416 / 426	417 / 427	418 / 428	419 / 429
0,0000	POL	BLR	BLR	BLR	BLR	BLR	POL	BLR	POL	POL
0,0250	POL	BLR	BLR	BLR	BLR	BLR	POL	BLR	POL	POL
0,0500	POL	BLR	BLR	BLR	BLR	BLR	POL	BLR	POL	POL
0,0750	POL	BLR	BLR	BLR	BLR	BLR	POL	BLR	POL	POL
0,1000	POL	BLR	BLR	BLR	BLR	BLR	POL	BLR	POL	POL
0,1250	POL	BLR	BLR	BLR	BLR	BLR	POL	BLR	POL	POL
0,1500	POL	BLR	BLR	BLR	BLR	BLR	POL	BLR	POL	POL
0,1750	POL	BLR	BLR	BLR	BLR	BLR	POL	BLR	POL	POL
0,2000	POL	BLR	BLR	BLR	LTU	BLR	POL	BLR	POL	POL
0,2250	POL	BLR	BLR	BLR	LTU	BLR	POL	BLR	POL	POL
0,2500	POL	BLR	BLR	BLR	LTU	BLR	POL	LTU	POL	POL
0,2750	POL	BLR	BLR	BLR	LTU	BLR	POL	LTU	POL	POL
0,3000	POL	BLR	BLR	BLR	LTU	BLR	POL	LTU	POL	POL
0,3250	POL	BLR	BLR	BLR	LTU	BLR	POL	LTU	POL	POL
0,3500	POL	BLR	BLR	BLR	LTU	BLR	POL	LTU	POL	POL
0,3750	POL	BLR	BLR	BLR	LTU	BLR	POL	LTU	POL	POL
0,4000	POL	LTU	LTU	LTU	LTU	LTU	LTU	LTU	POL	BLR
0,4250	POL	LTU	LTU	LTU	LTU	LTU	LTU	LTU	POL	BLR
0,4500	POL	LTU	LTU	LTU	LTU	LTU	LTU	LTU	POL	BLR
0,4750	POL	LTU	LTU	LTU	LTU	LTU	LTU	BLR	POL	BLR
0,5000	POL	LTU	LTU	LTU	LTU	LTU	LTU	BLR	POL	BLR
0,5250	POL	LTU	LTU	LTU	LTU	LTU	LTU	BLR	POL	BLR
0,5500	POL	LTU	LTU	LTU	LTU	LTU	LTU	BLR	POL	BLR
0,5750	POL	LTU	LTU	LTU	LTU	LTU	LTU	BLR	POL	BLR
0,6000	POL	LTU	LTU	LTU	LTU	LTU	POL	BLR	LTU	BLR
0,6250	POL	LTU	LTU	LTU	LTU	LTU	POL	BLR	LTU	BLR
0,6500	POL	LTU	LTU	LTU	LTU	LTU	POL	BLR	LTU	BLR
0,6750	POL	LTU	LTU	LTU	LTU	LTU	POL	BLR	LTU	BLR
0,7000	POL	LTU	LTU	LTU	LTU	LTU	POL	BLR	LTU	BLR
0,7250	POL	LTU	LTU	LTU	POL	LTU	POL	BLR	LTU	BLR
0,7500	POL	LTU	LTU	LTU	POL	LTU	POL	LTU	LTU	BLR
0,7750	POL	LTU	LTU	LTU	POL	LTU	POL	LTU	LTU	BLR
0,8000	POL	BLR	BLR	BLR	POL	POL	POL	LTU	LTU	LTU
0,8250	POL	BLR	BLR	BLR	POL	POL	POL	LTU	LTU	LTU
0,8500	POL	BLR	BLR	BLR	POL	POL	POL	LTU	LTU	LTU
0,8750	POL	BLR	BLR	BLR	POL	POL	POL	LTU	LTU	LTU
0,9000	POL	BLR	BLR	BLR	POL	POL	POL	LTU	LTU	LTU
0,9250	POL	BLR	BLR	BLR	POL	POL	POL	POL	LTU	LTU
0,9500	POL	BLR	BLR	BLR	POL	POL	POL	POL	LTU	LTU
0,9750	POL	BLR	BLR	BLR	POL	POL	POL	POL	LTU	LTU

POL	40	0	0	0	11	8	32	3	24	16
BLR	0	24	24	24	8	16	0	21	0	16
LTU	0	16	16	16	21	16	8	16	16	8

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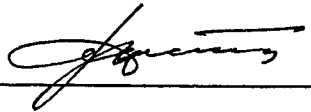
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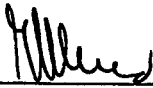
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