

A G R E E M E N T

**between the Telecommunications Administrations
of Estonia and Russia
concerning the use of the frequency bands
385-390/395-400 MHz in the border areas
for Land Mobile Service**

1. Preamble

1.1. The Telecommunication Administrations (hereinafter referred to as Administrations) of Estonia and Russia in accordance with Article S6 of Radio Regulations have concluded this Agreement on the use of 385-390/395-400 MHz band in order to reduce the risk of harmful interference to the Land Mobile and Fixed Services stations and facilitating of the use of above mentioned frequency bands on the basis of mutual agreements.

1.2. Recognizing this fact that currently it is not possible to accommodate the spectrum requirements for TETRA civil in a single harmonised band in CEPT countries (see ERC Decision ERC/DEC/(96)04) the duplex frequency band 385-389.9/395-399.9 MHz could be used by TETRA civil applications as well as by land mobile system of another standard.

1.3. In accordance with new version of Recommendation T/R 25-08 (Lecce 1989, revised in Vienna 1999) "Planning criteria and coordination of frequencies in the land mobile service in the range 29.7-960 MHz" the frequency range 389.9-390 MHz should be used by simplex operation of land mobile service.

1.4. The channeling plan and value of permitted interference field strength level are based on provisions of Recommendation T/R 25-08 (Lecce 1989, revised in Vienna 1999) "Planning criteria and coordination of frequencies in the land mobile service in the range 29.7-960.0 MHz".

2. Other services in the band 385-390/ 395-400 MHz

2.1. In preparation of this Agreement, the Administrations have recognised the present use of the band 385-390 MHz by stations in the Aeronautical Mobile Service (R and OR) and the band 395-400 MHz by the Fixed Service in Russia.

3. Frequencies

3.1. The centre frequencies of the duplex channels in the 385-389.9/395-399.9 MHz frequency bands spaced by 25 kHz are listed and allocated as preferential between the Parties as shown in Annex 1.

3.2. In case of frequency spacing use less than 25 kHz the status of preferential and non-preferential channels of each Administration is maintained also for channels fall into intervals between each Administration's channels with 25 kHz channel spacing. When the channels with another channel spacing are allocated in the intervals between the Estonian and Russian preferential channels, they are subject to coordination.

3.3. In case of frequency spacing use more than 25 kHz which can generate potential interference to the radiocommunication systems of the neighbouring country, they are subject to coordination.

4. Characteristics

4.1. Each Administration may use its preferential channels without coordination with another Administration, if the field strength produced by the station does not exceed 18 dB μ V/m at a distance of 50 km inland of the neighbouring country.

4.2. Each Administration can use preferential channels of the other Administration, if the field strength produced by the station does not exceed 18 dB μ V/m at the border line with the neighbouring country.

4.3. Each Administration, if possible, will inform the neighbouring country before bringing into use the frequency assignment on non-preferential channels at a distance of 50 km to the state border using the Annex 2.

4.4. If the field strength produced by stations exceeds those values indicated above in 4.1 and 4.2, such frequency assignments shall be coordinated.

4.5. The technical characteristics to be presented for coordination of a frequency assignment must be in accordance with Annex 2.

4.6. The period of coordination shall not exceed 65 days from the date of the receipt of the request by fax and 20 days after the reminder. If no reply is received after 85 days the frequency assignment shall be considered as coordinated.

4.7. In the presence of interference the claims shall be showed in accordance with Appendix S.10 of the Radio Regulations. The Administrations shall take all possible measures in order to eliminate the interference.

4.8. Technical and organizational matters arising in the course of coordination shall be solved by correspondence (telephone, fax or e-mail) or can be discussed at the meeting of experts.

4.9. All field strength values mentioned hereabove are taken for receiving antenna height of 10m, 10% of the time, 50% of the locations. The method of calculations is based on approved latest version of Recommendation ITU-R P.370.

5. Revision and cancellation of the Agreement

5.1. The present Agreement can be extended, complemented or revised at any time on the initiative of any Administration with the agreement of the other Administration.

5.2. This Agreement can be cancelled by a mutual decision of both Administrations on terms and conditions adopted by these Administrations.

6. Coming into force

The present Agreement will come into force in a month from the date of its signing.

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

One copy for Estonia

One copy for Russia

Moscow

22 December 2000

For the Administration of Estonia:

For the Administration of Russia:


A. KAIM



**List of allocation of preferential radio channels in the frequency band
385-390/395-400 MHz with the step of 25 kHz between the
Telecommunications Administrations of Russia and Estonia**

Number of channel	Mobil station transmission frequency, MHz	Base station transmission frequency, MHz	Status of using for Russia	Status of using for Estonia
1	2	3	4	5
201	385,0125	395,0125	Non-preferential	Preferential
202	385,0375	395,0375	Non-preferential	Preferential
203	385,0625	395,0625	Non-preferential	Preferential
204	385,0875	395,0875	Non-preferential	Preferential
205	385,1125	395,1125	Non-preferential	Preferential
206	385,1375	395,1375	Non-preferential	Preferential
207	385,1625	395,1625	Non-preferential	Preferential
208	385,1875	395,1875	Non-preferential	Preferential
209	385,2125	395,2125	Non-preferential	Preferential
210	385,2375	395,2375	Non-preferential	Preferential
211	385,2625	395,2625	Non-preferential	Preferential
212	385,2875	395,2875	Non-preferential	Preferential
213	385,3125	395,3125	Non-preferential	Preferential
214	385,3375	395,3375	Non-preferential	Preferential
215	385,3625	395,3625	Non-preferential	Preferential
216	385,3875	395,3875	Non-preferential	Preferential
217	385,4125	395,4125	Non-preferential	Preferential
218	385,4375	395,4375	Non-preferential	Preferential
219	385,4625	395,4625	Non-preferential	Preferential
220	385,4875	395,4875	Non-preferential	Preferential
221	385,5125	395,5125	Non-preferential	Preferential
222	385,5375	395,5375	Non-preferential	Preferential
223	385,5625	395,5625	Non-preferential	Preferential
224	385,5875	395,5875	Non-preferential	Preferential
225	385,6125	395,6125	Non-preferential	Preferential
226	385,6375	395,6375	Non-preferential	Preferential
227	385,6625	395,6625	Non-preferential	Preferential
228	385,6875	395,6875	Non-preferential	Preferential
229	385,7125	395,7125	Non-preferential	Preferential
230	385,7375	395,7375	Non-preferential	Preferential
231	385,7625	395,7625	Non-preferential	Preferential
232	385,7875	395,7875	Non-preferential	Preferential
233	385,8125	395,8125	Non-preferential	Preferential
234	385,8375	395,8375	Non-preferential	Preferential
235	385,8625	395,8625	Non-preferential	Preferential
236	385,8875	395,8875	Non-preferential	Preferential
237	385,9125	395,9125	Non-preferential	Preferential
238	385,9375	395,9375	Non-preferential	Preferential
239	385,9625	395,9625	Preferential	Non-preferential
240	385,9875	395,9875	Preferential	Non-preferential
241	386,0125	396,0125	Preferential	Non-preferential
242	386,0375	396,0375	Preferential	Non-preferential
243	386,0625	396,0625	Preferential	Non-preferential
244	386,0875	396,0875	Preferential	Non-preferential
245	386,1125	396,1125	Preferential	Non-preferential
246	386,1375	396,1375	Preferential	Non-preferential
247	386,1625	396,1625	Preferential	Non-preferential
248	386,1875	396,1875	Preferential	Non-preferential
249	386,2125	396,2125	Preferential	Non-preferential
250	386,2375	396,2375	Preferential	Non-preferential

1	2	3	4	5
251	386,2625	396,2625	Preferential	Non-preferential
252	386,2875	396,2875	Preferential	Non-preferential
253	386,3125	396,3125	Preferential	Non-preferential
254	386,3375	396,3375	Preferential	Non-preferential
255	386,3625	396,3625	Preferential	Non-preferential
256	386,3875	396,3875	Preferential	Non-preferential
257	386,4125	396,4125	Preferential	Non-preferential
258	386,4375	396,4375	Preferential	Non-preferential
259	386,4625	396,4625	Preferential	Non-preferential
260	386,4875	396,4875	Preferential	Non-preferential
261	386,5125	396,5125	Preferential	Non-preferential
262	386,5375	396,5375	Preferential	Non-preferential
263	386,5625	396,5625	Preferential	Non-preferential
264	386,5875	396,5875	Preferential	Non-preferential
265	386,6125	396,6125	Preferential	Non-preferential
266	386,6375	396,6375	Preferential	Non-preferential
267	386,6625	396,6625	Preferential	Non-preferential
268	386,6875	396,6875	Preferential	Non-preferential
269	386,7125	396,7125	Preferential	Non-preferential
270	386,7375	396,7375	Preferential	Non-preferential
271	386,7625	396,7625	Preferential	Non-preferential
272	386,7875	396,7875	Preferential	Non-preferential
273	386,8125	396,8125	Preferential	Non-preferential
274	386,8375	396,8375	Preferential	Non-preferential
275	386,8625	396,8625	Preferential	Non-preferential
276	386,8875	396,8875	Preferential	Non-preferential
277	386,9125	396,9125	Preferential	Non-preferential
278	386,9375	396,9375	Preferential	Non-preferential
279	386,9625	396,9625	Preferential	Non-preferential
280	386,9875	396,9875	Preferential	Non-preferential
281	387,0125	397,0125	Preferential	Non-preferential
282	387,0375	397,0375	Preferential	Non-preferential
283	387,0625	397,0625	Preferential	Non-preferential
284	387,0875	397,0875	Preferential	Non-preferential
285	387,1125	397,1125	Preferential	Non-preferential
286	387,1375	397,1375	Preferential	Non-preferential
287	387,1625	397,1625	Preferential	Non-preferential
288	387,1875	397,1875	Preferential	Non-preferential
289	387,2125	397,2125	Preferential	Non-preferential
290	387,2375	397,2375	Preferential	Non-preferential
291	387,2625	397,2625	Preferential	Non-preferential
292	387,2875	397,2875	Preferential	Non-preferential
293	387,3125	397,3125	Preferential	Non-preferential
294	387,3375	397,3375	Preferential	Non-preferential
295	387,3625	397,3625	Preferential	Non-preferential
296	387,3875	397,3875	Preferential	Non-preferential
297	387,4125	397,4125	Preferential	Non-preferential
298	387,4375	397,4375	Preferential	Non-preferential
299	387,4625	397,4625	Preferential	Non-preferential
300	387,4875	397,4875	Preferential	Non-preferential
301	387,5125	397,5125	Non-preferential	Preferential
302	387,5375	397,5375	Non-preferential	Preferential
303	387,5625	397,5625	Non-preferential	Preferential
304	387,5875	397,5875	Non-preferential	Preferential
305	387,6125	397,6125	Non-preferential	Preferential
306	387,6375	397,6375	Non-preferential	Preferential
307	387,6625	397,6625	Non-preferential	Preferential
308	387,6875	397,6875	Non-preferential	Preferential
309	387,7125	397,7125	Non-preferential	Preferential
310	387,7375	397,7375	Non-preferential	Preferential

1	2	3	4	5
311	387,7625	397,7625	Non-preferential	Preferential
312	387,7875	397,7875	Non-preferential	Preferential
313	387,8125	397,8125	Non-preferential	Preferential
314	387,8375	397,8375	Non-preferential	Preferential
315	387,8625	397,8625	Non-preferential	Preferential
316	387,8875	397,8875	Non-preferential	Preferential
317	387,9125	397,9125	Non-preferential	Preferential
318	387,9375	397,9375	Non-preferential	Preferential
319	387,9625	397,9625	Non-preferential	Preferential
320	387,9875	397,9875	Non-preferential	Preferential
321	388,0125	398,0125	Non-preferential	Preferential
322	388,0375	398,0375	Non-preferential	Preferential
323	388,0625	398,0625	Non-preferential	Preferential
324	388,0875	398,0875	Non-preferential	Preferential
325	388,1125	398,1125	Non-preferential	Preferential
326	388,1375	398,1375	Non-preferential	Preferential
327	388,1625	398,1625	Non-preferential	Preferential
328	388,1875	398,1875	Non-preferential	Preferential
329	388,2125	398,2125	Non-preferential	Preferential
330	388,2375	398,2375	Non-preferential	Preferential
331	388,2625	398,2625	Non-preferential	Preferential
332	388,2875	398,2875	Non-preferential	Preferential
333	388,3125	398,3125	Non-preferential	Preferential
334	388,3375	398,3375	Non-preferential	Preferential
335	388,3625	398,3625	Non-preferential	Preferential
336	388,3875	398,3875	Non-preferential	Preferential
337	388,4125	398,4125	Non-preferential	Preferential
338	388,4375	398,4375	Non-preferential	Preferential
339	388,4625	398,4625	Non-preferential	Preferential
340	388,4875	398,4875	Non-preferential	Preferential
341	388,5125	398,5125	Non-preferential	Preferential
342	388,5375	398,5375	Non-preferential	Preferential
343	388,5625	398,5625	Non-preferential	Preferential
344	388,5875	398,5875	Non-preferential	Preferential
345	388,6125	398,6125	Non-preferential	Preferential
346	388,6375	398,6375	Non-preferential	Preferential
347	388,6625	398,6625	Non-preferential	Preferential
348	388,6875	398,6875	Non-preferential	Preferential
349	388,7125	398,7125	Non-preferential	Preferential
350	388,7375	398,7375	Non-preferential	Preferential
351	388,7625	398,7625	Non-preferential	Preferential
352	388,7875	398,7875	Non-preferential	Preferential
353	388,8125	398,8125	Non-preferential	Preferential
354	388,8375	398,8375	Non-preferential	Preferential
355	388,8625	398,8625	Non-preferential	Preferential
356	388,8875	398,8875	Non-preferential	Preferential
357	388,9125	398,9125	Non-preferential	Preferential
358	388,9375	398,9375	Non-preferential	Preferential
359	388,9625	398,9625	Non-preferential	Preferential
360	388,9875	398,9875	Non-preferential	Preferential
361	389,0125	399,0125	Preferential	Non-preferential
362	389,0375	399,0375	Preferential	Non-preferential
363	389,0625	399,0625	Preferential	Non-preferential
364	389,0875	399,0875	Preferential	Non-preferential
365	389,1125	399,1125	Preferential	Non-preferential
366	389,1375	399,1375	Preferential	Non-preferential
367	389,1625	399,1625	Preferential	Non-preferential
368	389,1875	399,1875	Preferential	Non-preferential
369	389,2125	399,2125	Preferential	Non-preferential
370	389,2375	399,2375	Preferential	Non-preferential

1	2	3	4	5
371	389,2625	399,2625	Preferential	Non-preferential
372	389,2875	399,2875	Preferential	Non-preferential
373	389,3125	399,3125	Preferential	Non-preferential
374	389,3375	399,3375	Preferential	Non-preferential
375	389,3625	399,3625	Preferential	Non-preferential
376	389,3875	399,3875	Preferential	Non-preferential
377	389,4125	399,4125	Preferential	Non-preferential
378	389,4375	399,4375	Preferential	Non-preferential
379	389,4625	399,4625	Preferential	Non-preferential
380	389,4875	399,4875	Preferential	Non-preferential
381	389,5125	399,5125	Preferential	Non-preferential
382	389,5375	399,5375	Preferential	Non-preferential
383	389,5625	399,5625	Preferential	Non-preferential
384	389,5875	399,5875	Preferential	Non-preferential
385	389,6125	399,6125	Preferential	Non-preferential
386	389,6375	399,6375	Preferential	Non-preferential
387	389,6625	399,6625	Preferential	Non-preferential
388	389,6875	399,6875	Preferential	Non-preferential
389	389,7125	399,7125	Preferential	Non-preferential
390	389,7375	399,7375	Preferential	Non-preferential
391	389,7625	399,7625	Preferential	Non-preferential
392	389,7875	399,7875	Preferential	Non-preferential
393	389,8125	399,8125	Preferential	Non-preferential
394	389,8375	399,8375	Preferential	Non-preferential
395	389,8625	399,8625	Preferential	Non-preferential
396	389,8875	399,8875	Preferential	Non-preferential
397	389,9125	Si	Non-preferential	Non-preferential
398	389,9375	Si	Non-preferential	Non-preferential
399	389,9625	Si	Non-preferential	Non-preferential
400	389,9875	Si	Non-preferential	Non-preferential

CHARACTERISTICS OF ASSIGNMENT

(separately for base and mobile station)

- 1A. Transmitting frequency (MHz)
- 6A. Class of station
- 2C. Date of brining into use
- 4A. Name of station
- 4B. Country
- 4C. Geographical coordinates of the station
 - longitude
 - latitude
- 4D. Radius of the service area (km)
- 4Z. Height of the station site above sea level (m)
- 7A. Designation of emission
- 8B1. Max. radiated power (dBW)
- 8B2. Type of reference antenna
 - 9A. Azimuth of maximum radiation (degrees)
 - 9B. Elevation angle of main radiation (degrees)
 - 9D. Polarization
 - 9Y. Height of antenna above ground (m)
- 9XH. Type of antenna: horizontal
- 9XV. Type of antenna: vertical
 - 1Y. Receiving frequency (MHz)
- 13Z. Remarks