

1. INTRODUCTION

AGREEMENT

BETWEEN THE ADMINISTRATIONS OF HUNGARY, POLAND, THE SLOVAK REPUBLIC AND UKRAINE

Principles of border co-ordination for UMTS/IMT-2000 systems are laid down in ERECRED(01)01 (Radio Co-ordination of UMTS/IMT-2000 Systems)

The Administrations of Hungary, Poland, the Slovak Republic and Ukraine have agreed on the following co-ordination procedures:

This Agreement is not applicable for the bilateral relation between Poland and the Slovak Republic.

ON BORDER CO-ORDINATION OF UMTS/IMT-2000 SYSTEMS

In order to ensure in border areas equitable access to the spectrum and to enhance the efficiency of spectrum co-ordination according to Annexes 3 and 4 to ERECRED(01)01 in the UMTS/IMT-2000 frequency bands taking into account the provisions in ERECRED(01)01 and in this Agreement:

IN THE FREQUENCY BANDS 1900 - 1980 MHz, 2010 - 2025 MHz AND 2110 - 2170 MHz

Preferential use of frequencies as laid down in Annex 3 of ERECRED(01)01 shall not be the subject of this Agreement but may be subject to arrangements between operators.

These provisions of co-ordination shall be applied in the frequency bands 1900 - 1970 MHz, 2020 - 2025 MHz and 2110 - 2170 MHz.

The band 2010 - 2020 MHz as identified in ERECRED(01)01 for self-provided applications shall not be subject to this Agreement.

The use of the frequency band 1920 - 1980 MHz for TD-SS systems shall be subject to additional bilateral agreements.

3. PROVISION FOR CODE CO-ORDINATION

3.1 ALLOTMENT OF PREFERENTIAL CODES

The division of preferential codes shall be in accordance with Annex 4 to ERECRED(01)01. The division relevant to the signatories to this Agreement is given in the Annex to this Agreement.

ANNEX

Preferential codes for UTRA

- Type country 1: UKR
- Type country 2: HNG
- Type country 3: POL
- Type country 4: SVK

For each type of country, the following tables and figure show the sharing of the codes with its neighbouring countries, with the following conventions of writing:

	Preferential code
	non-preferential code

1. FDD case:

For the FDD mode ; 3GPP TS 25.213 defines 64 « scrambling code groups » in §5.2.3, numbered {0..63}, hereafter called « code groups ».

	Set A	Set B	Set C	Set D	Set E	Set F
Country 1	0..10	11..20	21..31	32..42	43..52	53..63
Border 1-2	█	█				█
Zone 1-2-3	█	█				
Border 1-3	█		█			
Zone 1-2-4	█					█
Border 1-4	█		█			█
Zone 1-3-4	█					

	Set A	Set B	Set C	Set D	Set E	Set F
Country 2	0..10	11..20	21..31	32..42	43..52	53..63
Border 2-1			█	█	█	
Zone 2-3-1			█	█		
Border 2-3		█				
Zone 2-1-4						█
Border 2-4						█
Zone 2-3-4						

	Set A	Set B	Set C	Set D	Set E	Set F
Country 3	0..10	11..20	21..31	32..42	43..52	53..63
Border 3-2	█				█	█
Zone 3-1-2					█	█
Border 3-1				█		
Zone 3-1-4						
Border 3-4			█			
Zone 3-2-4						

	Set A	Set B	Set C	Set D	Set E	Set F
Country 4	0..10	11..20	21..31	32..42	43..52	53..63
Border 4-1		█		█	█	
Zone 4-1-2		█		█		
Border 4-2	█					
Zone 4-2-3	█					
Border 4-3				█		
Zone 4-3-1				█		

IN THE FREQUENCY BANDS
1920 - 1980 MHz, 2010 - 2025 MHz
AND 2110 - 2170 MHz

2. TDD case:

For the TDD mode, 3GPP TS 25.223 defines 32 « scrambling code groups » in §7.3, numbered {0..31}.

	Set A	Set B	Set C	Set D	Set E	Set F
Country 1	0..4	5..10	11..15	16..20	21..26	27..31
Border 1-2	█	█				█
Zone 1-2-3	█	█				
Border 1-3	█		█			
Zone 1-2-4	█					█
Border 1-4	█		█			█
Zone 1-3-4	█					

	Set A	Set B	Set C	Set D	Set E	Set F
Country 2	0..4	5..10	11..15	16..20	21..26	27..31
Border 2-1			█	█	█	
Zone 2-3-1			█	█		
Border 2-3		█				
Zone 2-1-4						█
Border 2-4						█
Zone 2-3-4						

	Set A	Set B	Set C	Set D	Set E	Set F
Country 3	0..4	5..10	11..15	16..20	21..26	27..31
Border 3-2	█				█	█
Zone 3-1-2					█	█
Border 3-1				█		
Zone 3-1-4						
Border 3-4			█			
Zone 3-2-4						

	Set A	Set B	Set C	Set D	Set E	Set F
Country 4	0..4	5..10	11..15	16..20	21..26	27..31
Border 4-1		█		█	█	
Zone 4-1-2		█		█		
Border 4-2	█					
Zone 4-2-3	█					
Border 4-3				█		
Zone 4-3-1				█		