

# **AGREEMENT**

**between the administrations of**

**the Czech Republic and Republic of Poland**

**on frequency planning and frequency usage in  
border areas for terrestrial systems capable of  
providing wireless broadband electronic  
communications services in the frequency band**

**3400-3800 MHz**

**Agreed by correspondence, January 2020**

## 1. Introduction

The frequency band 3400-3800 MHz has been designated for terrestrial systems capable of providing wireless broadband electronic communications services according to

Commission Decision 2008/411/EC of 21 May 2008 on the harmonisation of the 3400-3800 MHz frequency band for terrestrial systems capable of providing electronic communications services in the Community, as amended by the Commission Implementing Decisions 2014/276/EU of 2 May 2014 and 2019/235/EU of 24 January 2019.

The administrations of the Czech Republic and Republic of Poland have agreed on the following principles, frequency planning and frequency usage procedures.

## 2. Principles of frequency planning and frequency usage in border areas

Frequency planning and usage is based on the concept of equal access probability. This principle enables equitable coverage for two or more networks using the same frequency band with the same or different digital technologies in geographically adjacent areas without coordination. Operation of stations in the respective border area exceeding the specified field strength values (after performing traditional frequency coordination) would disturb the balance in the respective area and therefore is not desirable.

Furthermore this agreement is based on the principles of frequency usage and frequency coordination according to the ECC Recommendation ECC/REC(15)01 of 13<sup>th</sup> February 2015 (amended 5<sup>th</sup> February 2016) on cross-border coordination for mobile / fixed communications networks (MFCN) in the frequency bands 694-790 MHz, 1452-1492 MHz, 3400-3600 MHz and 3600-3800 MHz.

## 3. Technical provisions

- 3.1 The TDD mode of operation is considered.
- 3.2.1 Base stations of unsynchronized TDD systems may be operated if the produced field strength at a height of 3 m above ground does not exceed the following value:  
32 dB $\mu$ V/m / 5 MHz at the border line
- 3.2.2 Base stations of synchronized TDD systems may be operated if the produced field strength at a height of 3 m above ground does not exceed the following values:  
67 dB $\mu$ V/m / 5 MHz at the border line  
49 dB $\mu$ V/m / 5 MHz at the distance of 6 km inside the neighbouring country
- 3.3 If the frequency block size differs from the reference size of 5 MHz, the correction value shall be added to the field strength values:  
 $10 \log_{(10)} (\text{frequency block size} / 5 \text{ MHz})$
- 3.4 For the field strength calculations the latest version of the HCM Agreement tool shall be used. Time probability in all calculations is 10 %.

#### **4. Protection of other services**

There is no special requirement to protect other radiocommunication services.

#### **5. Operators arrangements**

- 5.1 Operators may conclude additional arrangements with the aim to enhance the efficient use of spectrum and coverage in the border areas, e.g.:
- field strength levels and provisions given by relevant harmonisation documents (e.g. ECC Recommendation (15)01),
  - synchronization of concerned networks.
- 5.2 Such operator arrangements:
- shall only be valid as long as all participating operators hold exclusive rights for concerned frequencies,
  - shall not impose disadvantages on other operators,
  - are subject to prior consent of the administrations concerned,
  - shall specify if the arrangements / agreed provisions are applied to individual sites or to the whole border area,
  - shall protect users of communication networks from non-wanted international roaming,
  - shall respect provisions laid down in the "Agreement between the administrations of the Czech Republic, Germany, Poland and Slovak Republic concerning the approval of arrangements between operators of mobile radiocommunication networks, Mainz, 29<sup>th</sup> May 2002".

#### **6. Revision of the agreement**

This agreement may be modified at a request of any of the signatory administrations where such modification becomes necessary in the light of administrative, regulatory or technical development. Modification of the agreement shall be done by an amendment signed by both administrations concerned.

#### **7. Withdrawal from the agreement**

Any administration may withdraw from this agreement by the end of a calendar month by giving notice of its intention at least six months in advance.

#### **8. Language of the agreement**

This agreement has been concluded in English language.

#### **9. Abrogation of the previous agreement**

This agreement cancels and replaces the "Agreement between the administrations of Austria, the Czech Republic, Hungary, Poland, the Slovak Republic, Slovenia and Ukraine on the frequency coordination for Fixed Wireless Access (FWA) systems in the bands 3410-3500 MHz and 3510-3600 MHz (Bratislava, 5<sup>th</sup> September 2002)" with regard to the bilateral case between the Czech Republic and the Republic of Poland.

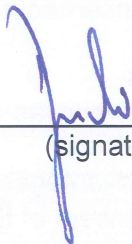
**10. Date of entry into force**

The date of entry into force is 1<sup>st</sup> February 2020.

**11. Signature of the agreement**

This agreement exists in 2 equally authentic copies signed by correspondence.

For the Czech Republic

 21. 01. 2020  
\_\_\_\_\_  
(signature, date)

For Republic of Poland

30.01.2020 Paweł Kujawski  
\_\_\_\_\_  
(signature, date)