

PROCEDURE

**concerning the use of the frequency band
790-862 MHz for terrestrial systems
in the border area of Poland and Ukraine**

Bratislava, 28 October 2011

Preamble

The representatives of Telecommunications Administrations of Poland and Ukraine have concluded the present Procedure concerning the use of the frequency band 790 - 862 MHz with the purpose of avoiding mutual interference and optimising the use of the above-stated frequency band on a mutually coordinated basis.

1 PRINCIPLES

- 1.1 This Procedure is based on the concept of coordination threshold and the idea of symmetrical conditions for both administrations.
- 1.2 This Procedure covers the bilateral coordination of frequency assignments of land mobile service and aeronautical radio navigation service (ARNS) of Poland and frequency assignments of ARNS of Ukraine.

2 USE OF FREQUENCIES

- 2.1 Technical characteristics of existing ARNS frequency assignments of Poland, requiring the protection, are given in the Annex 1. The frequency bands 791-821 MHz and 832-862 MHz are used in Poland for land mobile service in FDD mode with transmission parameters for base and terminal stations in accordance with ECC/DEC(09)03.
- 2.2 Technical characteristics of existing ARNS frequency assignments of Ukraine, requiring the protection, are given in the Annex 2. The frequency bands 791-821 MHz and 832-862 MHz are not currently used in Ukraine for land mobile service in FDD mode with transmission parameters for base and terminal stations in accordance with ECC/DEC(09)03.
- 2.3 Poland may use the frequency band 791-821 MHz for base stations of land mobile service without coordination with Ukraine:
 - a) if the predicted field strength produced by the new base station does not exceed 50 dB(μ V/m)/1 MHz at a height of 10 m above the border line, and
 - b) if the base stations are located at a distance from the border not less than 15 km.
- 2.4 Poland may use the frequency band 832-862 MHz for terminals of land mobile service without coordination with Ukraine, if compliance with Item 2.3 is ensured.
- 2.5 The ARNS stations mentioned in Annex 1 and Annex 2 use the frequency band 790-862 MHz with technical characteristics indicated in Rec.ITU-R M.1830.

3 GENERAL

- 3.1 A new frequency assignment exceeding the above-mentioned coordination threshold values shall be coordinated.
- 3.2 The coordination procedure shall be performed in accordance with Article 4 of this Procedure.
- 3.3 In the presence of interference produced by a station covered by this Procedure, the Report of harmful interference shall be presented in accordance with Appendix 10 of the Radio Regulations. The parties shall take all possible measures in order to eliminate the interference in due time.
- 3.4 The field strength specified in the Report of harmful interference (see Item 3.3) shall be based on the median values of measurements of field strength performed at antenna height

as stipulated in Article 2 at least in two different points over a range of at least 100 m along the border.

- 3.5 The field strength values in this Procedure are calculated in accordance with the Recommendation ITU-R P.1546-4 and based on antenna heights corresponding to those in Article 2 in this Procedure with 10% of the time and 50% of the locations.
- 3.6 The Recommendation ITU-R P.1546-4 "Method for point-to-area predictions for terrestrial services in the frequency range 30 MHz to 3000 MHz" shall be used for calculations of the field strength value produced by terrestrial stations. The use of updated versions of this Recommendation is to be mutually agreed.

4 COORDINATION PROCEDURE

- 4.1 The Administration wishing to initiate the use of frequency assignment to the station covered by this Procedure that does not correspond to the terms specified in Article 2 of this Procedure shall send to the other Administration a request to coordinate such frequency assignment. A request can be sent by mail, fax or e-mail. In case if a request is sent by e-mail the requesting Administration shall send by fax a covering letter to the affected Administration and receive a confirmation of its receipt.
- 4.2 The affected Administration shall provide a feedback in respect of the request to coordinate assignments within 10 weeks from the date of the request receipt. If no feedback was received, an urgent reminder shall be sent. Administrations that failed to respond within 2 weeks from the date of an urgent reminder receipt shall be considered as agreed, if the administration, a consent of which was sought, did not ask for extra time needed to evaluate the coordination request.
- 4.3 In case of a refusal of the affected Administration to satisfy a request for coordination the requesting administration shall provide to the affected administration results of its calculations or any new technical characteristics of the assignment.
- 4.4 If no response from the affected Administration to the proposals provided in Item 4.3 was received within 10 weeks from the date of proposals receipt, an urgent reminder shall be sent. Administrations that failed to respond within 2 weeks from the date of receipt of an urgent reminder shall be deemed as agreed to the provided proposals on coordination.
- 4.5 The Administration having objections to the received request for coordination provided in Item 4.3 shall provide a proposal for reasonable changing of the request that shall not only provide for adequate protection for its available and planned services, but to the maximal possible extent shall preserve an initial objective of the request for coordination.
- 4.6 In case of controversies originating from application of this document, the Administrations shall be governed by provisions and procedures of the Radio Regulations, as well as applicable international and bilateral agreements.

5 REVISION AND CANCELLATION

- 5.1 This Procedure may be cancelled as desired by one of the Administrations with a notice of at least one year. This does not affect the operation of stations already brought into use or coordinated under this Procedure.
- 5.2 After such cancellation Administrations will exchange the list of stations already brought into use or coordinated under this Procedure.
- 5.3 This Procedure may be revised or cancelled without previous notice, if mutual understanding is reached between the Administrations.
- 5.4 This procedure may be revised after Ukraine decides to implement the LTE system.

6 COMING INTO FORCE

6.1 This Procedure shall come into force from the date of signing.

This Procedure has been drawn up in two identical copies, one for Poland and one for Ukraine.

Done at Bratislava, 28 October 2011

On behalf of the Telecommunications
Administration of Poland

Wiktor Segal

On behalf of the Telecommunications
Administration of Ukraine

Ievgen Khairov