

Prague 16 August 2022
Ref.: 45 915/2021-619

Based on the result of a public consultation held under Section 130 of the Act No. 127/2005 Coll., on Electronic Communications and on Amendment to Certain Related Acts (the Electronic Communications Act), as amended (hereinafter “the Act”) and the decision of the Council of the Czech Telecommunication Office (hereinafter “the Office”) under Section 107(9)(b)(2) of the Act and to implement Section 16(2) of the Act, the Office as the competent administration authority under Section 108(1)(b) of the Act and Section 10 of the Act No. 500/2004 Coll., the Administrative Procedure Code, as amended, hereby issues this Measure of General Nature

**Part No. PV-P/21/08.2022-17 of the Radio Spectrum Utilisation Plan
for the frequency band 174–380 MHz.**

Article 1
Introductory provision

This part of the Radio Spectrum Utilisation Plan (hereinafter “part of the plan”) sets down technical characteristics and conditions for the use of radio spectrum in the frequency band from 174 MHz to 380 MHz by radiocommunication services. This part of the plan is a follow-up to the Common part of the Radio Spectrum Utilisation Plan.¹⁾

Part 1
General information on the frequency band

Article 2
Frequency band characteristics

(1) The 174–230 MHz band, marked as Band III, is characterised by the utilisation by applications in the broadcasting service. The terrestrial digital broadcasting is the most important utilisation of the band. It is also allowed to operate wireless microphones for programme-making and social events in the band.

(2) The band 230–380 MHz has no civil utilisation except for bands 242.95–243.05 MHz and 328.6–335.4 MHz.

(3) The utilisation of national frequency bands allocation to radiocommunication services²⁾ complies with the European harmonisation targets.³⁾

(4) Information stated in this Article are further detailed in the Parts laying down the conditions for the band utilisation in individual radiocommunication services and bands.

¹⁾ Common part of the Radio Spectrum Utilisation Plan No. PV/10.2005-35, as amended.

²⁾ Government Decree No. 105/2010 Coll., on the Frequency Band Allocation Plan (National Table of Frequency Allocation), as amended.

³⁾ ERC Report 25: European Table of Frequency Allocations and Applications in the frequency range 8.3 kHz to 3000 GHz, rev. 2021.

This is an unofficial translation. The legally binding text is the original Czech version.

Article 3 International obligations

(1) Provisions of the Radio Regulations⁴⁾ (hereinafter only “RR”), provisions of HCM Agreement,⁵⁾ provisions of Geneva 2006 Agreement⁶⁾ (hereinafter only “the Agreement”) and other international bi- or multilateral agreements on coordination and utilisation in the broadcasting service apply to the utilisation and coordination of the radio frequencies (hereinafter only “the frequencies”).

(2) Where there is stated in this part of the plan that a footnote of the Radio Regulations applies, the text of a footnote of Radio Regulations stated in Part III of the Decree is to be applied.²⁾

Article 4 Information on Future Development

(3) In the 174–230 MHz band, solely the terrestrial digital broadcasting is being developed. The Office expects development of more networks covering a substantial part of the population.

(4) The operation conditions of the Short Range Devices are updated periodically by the Electronic Communications Committee of CEPT (hereinafter “the ECC”) and by the European Commission (hereinafter “the Commission”).

Part 2 Conditions for Utilisation

Article 5 Short Range Devices

(1) The Short Range Devices use frequencies in the bands allocated to various radiocommunication services, they must not cause harmful interference to applications of radiocommunication services, and at the same time, they cannot claim protection from harmful interference by the stations of radiocommunication services.

(2) In accordance with Commission Decisions,^{7),8)} ECC Decision⁹⁾ and with ECC Recommendations,¹⁰⁾¹¹⁾ it is allowed to use the given sub-bands by the following Short Range Devices (SRD¹²⁾):

⁴⁾ Radio Regulations, International Telecommunication Union, Geneva, 2020.

⁵⁾ HCM Agreement – Agreement between the Administrations of Austria, Belgium, the Czech Republic, Germany, France, Hungary, the Netherlands, Croatia, Italy, Liechtenstein, Lithuania, Luxembourg, Poland, Romania, the Slovak Republic, Slovenia and Switzerland on the co-ordination of frequencies between 29.7 MHz and 43.5 GHz for the fixed service and the land mobile service.

⁶⁾ Regional Agreement relating to the planning of the digital terrestrial broadcasting service in Region 1 (parts of Region 1 situated to the west of meridian 170° E and to the north of parallel 40° S, except the territory of Mongolia) and in the Islamic Republic of Iran, in the frequency bands 174-230 MHz and 470-862 MHz (Geneva, 2006).

⁷⁾ Commission Implementing Decision (EU) 2022/180 of 8 February 2022 amending Decision 2006/771/EC as regards the update of harmonised technical conditions in the area of radio spectrum use for short-range devices.

⁸⁾ Commission Implementing Decision (EU) 2019/785 of 14 May 2019 on the harmonisation of radio spectrum for equipment using ultra-wideband technology in the Union and repealing Decision 2007/131/EC.

⁹⁾ Decision ECC/DEC/(06)04 – The harmonised use, exemption from individual licensing and free circulation of devices using Ultra-Wideband (UWB) technology in bands below 10.6 GHz.

¹⁰⁾ Recommendation CEPT/ERC/REC 70-03 – Relating to the use of Short Range Devices (SRD).

¹¹⁾ Recommendation CEPT/ERC/REC 25-10 – Frequency Ranges for the Use of Terrestrial Audio and Video Programme Making and Special Events (PMSE) applications.

¹²⁾ The abbreviation SRD stands for Short Range Device.

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- (a) 174–174.015 MHz (the total sub-band 173.965–174.015 MHz) microphones for hearing-impaired persons and earpieces;
- (b) 174–216 MHz by sounds transmitting devices – wireless microphones; and
- (c) the total range of frequencies described by this part of the plan by GPR/WPR ultrawideband radars probing the structure of walls and Earth ground and by devices for general use of the ultrawideband technology.

(3) The specific conditions for the use of frequencies including the technical parameters are set down in the relevant General Authorisation.¹³⁾

Article 6

Mobile and land mobile service

(1) The frequencies from the 174–230 MHz band can be utilised by wireless microphones for professional use with maximum e.r.p. of 100 mW under conditions of a secondary service, provided that they shall not cause harmful interference to reception of stations operated in broadcasting service and they shall not claim protection from interference by these applications.

(2) The 242.95–243.05 MHz sub-band is, in accordance with the RR footnote,¹⁴⁾ designated for utilisation by stations of rescue vessels and aircrafts and by devices used for rescue purposes. In accordance with the RR footnote,¹⁵⁾ the 243 MHz frequency can be used in compliance with procedures defined for terrestrial radiocommunication services also for search and rescue operations related to manned space vehicles.

Article 7

Mobile-satellite service

(1) The bands 235–322 MHz and 335.4–399.9 MHz can be, in accordance with the RR footnote,¹⁶⁾ utilised by the mobile-satellite service subject to an agreement obtained under the procedure set down in the RR provision¹⁷⁾ and provided that stations in this service do not cause harmful interference to the stations of other services.

(2) The 267–272 MHz sub-band can be, in accordance with the RR footnote,¹⁸⁾ used for space telemetry based on an agreement according to the RR provision.¹⁷⁾

(3) The 312–315 MHz sub-band (Earth-to-space) can be, in accordance with the RR footnote,¹⁹⁾ utilised by non-geostationary-satellite systems. The utilisation of this sub-band is subject to coordination according to the RR provision.²⁰⁾

¹³⁾ General Authorisation No. VO-R/10/07.2021-8 for the use of radio frequencies and for the operation of short range devices.

¹⁴⁾ Footnote 5.256 of RR.

¹⁵⁾ Footnote 5.111 of RR.

¹⁶⁾ Footnote 5.254 of RR.

¹⁷⁾ Provision 9.21 of RR.

¹⁸⁾ Footnote 5.257 of RR.

¹⁹⁾ Footnote 5.255 of RR.

²⁰⁾ Provision 9.11A of RR.

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Article 8 **Aeronautical radionavigation service**

The utilisation of the 328.6–335.4 MHz band by the aeronautical radionavigation service is, in accordance with the RR footnote,²¹⁾ limited to ILS-GP systems²²⁾ for aircraft instrument-guided landing.

Article 9 **Broadcasting service**

(1) The 174–230 MHz band is allocated to the broadcasting radiocommunication service on a primary basis. The band is designated for the operation of multimedia applications in the broadcasting service, i.e., transmission of sound, image, and related data (hereinafter only “the digital broadcasting”).

(2) The international obligations related to the utilisation of the band stem from the Agreement⁶⁾ and the agreements of relevant national administrations on the conditions for the use of frequencies in individual cases.

(3) The Agreement introduced the concept of spectral mask for T-DAB²³⁾ and DVB-T²⁴⁾ systems allowing to deploy other systems within the band, provided that the spectral mask is kept according to the Agreement.

(4) The 174–230 MHz band is divided into 32 radio frequency blocks (hereinafter “T-DAB blocks”). The T-DAB blocks and individual sub-bands are listed in Annex 1 of this part of the plan. In the Czech Republic, the T-DAB blocks in the 174–230 MHz band are designated for terrestrial digital broadcasting with spectral mask for the T-DAB systems.

(5) The allotments for the terrestrial digital broadcasting proceed from the Agreement and the international coordination agreements. The allotments for terrestrial digital broadcasting for individual territorial units are listed in Annex 1 of this part of the plan. The allotments are coordinated within a clearly bounded territory and the territorial designation of allotments is set in Annex 2 of this part of the plan.

(6) The number of rights for the utilisation of T-DAB blocks is limited and the total number of rights equals the number of allotments listed in Annex 1 of this part of the plan. The utilisation of the allotments is possible only based on radio frequency block allocation (hereinafter the “block allocations”) for networks designated for the provision of publicly available electronic communication services. The Office can merge the allotments for the purpose of invitations to tender for granting of the block allocations to broadcasting networks.

(7) The Office can specify the technical conditions for the use of radio frequencies, to which block allocation of radio frequencies was granted according to Paragraph 6, in the individual authorisations for the use of frequencies by individual broadcasting stations (hereinafter „individual authorisations”) particularly:

- a) if the conditions proceed from coordination negotiations, or
- b) to observe the specified values of electromagnetic field intensity at borders of the allotments in accordance with coordination negotiations results or with the Agreement.

²¹⁾ Footnote 5.258 of RR.

²²⁾ The abbreviation ILS-GP stands for Instrument Landing System – Glide Path.

²³⁾ The abbreviation T-DAB stands for Terrestrial – Digital Audio Broadcasting, see Recommendation ITU-R BS.1114 Digital sound systems in the terrestrial broadcasting service. The T_DAB correlates to Eureka 147 DAB system listed as Digital System A.

²⁴⁾ The abbreviation DVB-T stands for Digital Video Broadcasting – Terrestrial, see Recommendation ITU-R BT.1306. The DVB-T correlates to DVB system listed as System B.

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(8) The nationwide network designated for transmitting public service broadcasting multiplex of a provider set by the Act²⁵⁾ is composed of allotments in the 12C and 12D blocks and the block allocation was granted based on the amendment to Act.²⁵⁾

(9) The block allocation holders for other networks for transmitting broadcasting multiplex of broadcasting providers according to the Act²⁶⁾ (hereinafter “commercial broadcasting networks”) will be set by a procedure according to the Act.²⁷⁾

(10) The individual authorisations for the use of radio frequencies outside the allotments listed in Annex 1 of this part of the plan will be granted by the Office only provided that the technical parameters sought by the applicant shall not require international coordination and, at the same time, shall not limit the utilisation of allotments listed in Annex 1 of this part of the plan.

Article 10 **Radio astronomy service**

(1) Radio astronomy service is a passive radiocommunication service based on the reception of radio waves of space origin. In accordance with the RR footnote,²⁸⁾ the users of the 322–328.6 MHz band shall take all practicable steps to protect the radio astronomy service.

(2) The radio astronomy service in the 322–328.6 MHz band is not currently operated in the Czech Republic. Users of the band shall take into account the possibility of utilisation in the neighbouring countries.

Part 3 **Final provisions**

Article 11 **Transitional provisions**

The Office shall extend the validity period of the individual authorisations for the use of radio frequencies for terrestrial digital broadcasting in the 174–230 MHz band which were granted before this part of the plan came into effect, with the exemption of individual authorisations granted according to Section 9(8), if the international coordination results will allow such extension, and the new validity period will be set as per the concluded international coordination agreement.

Article 12 **Repealing provision**

This is to repeal the Measure of General Nature, the Part of the Radio Spectrum Utilisation Plan No. PV-P/21/01.2018-2 for the 174–380 MHz frequency band of 23 January 2018.

Article 13 **Effect**

This part of the Radio Spectrum Utilisation Plan shall come into effect on 1 October 2022.

²⁵⁾ Act No. 484/1991 Coll on Czech Radio, as amended.

²⁶⁾ Act. No. 231/2001 Coll. on Radio and Television Broadcasting Operation and on Amendments to Other Acts, as amended.

²⁷⁾ Section 21 of the Act 127/2005 Coll. on Electronic Communications and on Amendment to Certain Related Acts, as amended.

²⁸⁾ Footnote 5.149 of RR.

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Explanatory memorandum

To implement Section 16(2) of the Act, the Office issues the Measure of General Nature Part No. PV-P/21/008.2022-17 of the Radio Spectrum Utilisation Plan (hereinafter “the part of the plan”), laying down the technical characteristics and conditions for the use of radio spectrum in the frequency band from 174 MHz to 380 MHz by radiocommunication services. This part of the plan is based on the principles set out in the Act and in European legislation, especially in Directive (EU) 2018/1972 of the European Parliament and of the Council establishing the European Electronic Communications Code and in Decision No. 676/2002/EC of the European Parliament and of the Council on a regulatory framework for radio spectrum policy in the European Community (Radio Spectrum Decision) as well as on principles determined in the Common Part of the Radio Spectrum Utilisation Plan No. PV/10.2005-35.

The purpose of this part of the plan is to ensure the transparency of the conditions for the use of radio spectrum within the given frequency range and the ability to anticipate the future decisions of the Office. This Measure of General Nature replaces the part of the Radio Spectrum Utilisation Plan No. PV-P/21/01.2018-2 for the 174–380 MHz frequency band.

The purpose of the new issue of this part of the plan is mainly to update the conditions for the terrestrial digital broadcasting. The Office also reserved the radio frequencies for the nationwide network for transmitting public service broadcasting multiplex. In this part of the plan, the Office also sets the conditions for the use of radio frequencies including the procedures of granting the rights for their utilisation in other networks. The amendments reflect the European targets, are part of the measures to deploy digitalisation in the society, to create space for the development of digital broadcasting, to find appropriate business models and to allow investments of business entities into this sector, with regard to the possibilities of broadcasting over the whole territory or on its parts.

Article 2 characterises the frequency range described in this part and specifies the bands for civil and non-civil utilisation. It notes that there is a concurrence of international conditions for the use of frequencies with European harmonisation targets. For clarification purposes, a table of allocations and utilisation of frequencies was removed as this information is well arranged e.g., on the <https://spektrum.ctu.cz/en/> portal.

Article 3 lists international obligations, which, in addition to the Radio Regulations, are represented in particular by the Agreement Geneva 2006 grounding the rights of States for the use of frequencies, notably for regional and trans-regional broadcasting coverage.

In Article 4, the Office informs on the future development consisting of terrestrial digital broadcasting. It also points out the frequent amendments to documents setting the conditions for the operation of Short Range Devices at European level.

Part 2 sets the conditions for the use of radio frequency range described by this part of the plan. Article 5 lists Short Range Devices that cannot be integrated into one particular radiocommunication service. These devices are operated based on a general authorisation.

In Article 6 with conditions for mobile and land mobile service, a reference to Appendix 13 was deleted due to duplicity as the RR footnote 5.111 refers to it as well.

The texts of Article 7 with conditions for mobile-satellite service and of Article 8 on aeronautical radionavigation service were not amended in this issue of the plan. The stated conditions are in accordance with the RR.

Article 9 sets the conditions for the use of radio frequencies by broadcasting service in the 174–230 MHz band in accordance with the Agreement.⁶⁾ Paragraph 1 defines the broadcasting service band for the utilisation by multimedia applications and clarifies the term “multimedia application”, which in the case of terrestrial digital broadcasting means e.g., supporting text and image information, links to the Internet, etc. Because the broadcasting service will currently and in the near future utilise high-power transmitters from sites located high above the terrain, it was necessary, from the international point of view, to coordinate the

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broadcasting plan and conclude bi- and multilateral coordination agreements in such a way that individual states have equal access to the frequency band. Therefore, the necessity of international coordination is stressed out in the Paragraph 2. Paragraph 3 sets spectral masks according to the Agreement which all systems deployed in the band must comply with. The spectral mask allows to deploy any systems of the given radiocommunication service which complies with it and therefore, it is not necessary to enter the coordination process again, e.g., in case of a new broadcasting standard. Paragraph 4 defines the radio frequency blocks for terrestrial digital broadcasting and defines the frequency ranges. Paragraph 5 defines the allotments and their territorial designation. Paragraph 6 sets limits to the number of rights to radio frequencies provided that the maximal number of rights equals the number of allotments. The Office can merge these rights while the number of granted rights is given by the conditions and results of the tender for radio frequency allotments. Paragraph 7 clarifies the process of transferring allotments to individual authorisations for the use of radio frequencies, because the allotments will be utilised by multiple transmitters, and it is necessary to keep the international agreements.

Paragraph 8 sets the allotments for transmitting the public service broadcasting multiplex of Czech Radio and Paragraph 9 provides the procedure for authorisation for other broadcasting networks. The allotments for commercial broadcasting networks will be set by means of a consultation on the draft tender for network operators. Under conditions set in Paragraph 10, the Office shall grant individual authorisation outside the allotments for utilisation especially to local urban networks.

Article 10 with conditions for protection of radioastronomy service was not amended in this issue of the part of the plan. The conditions take into account the necessity to protect this radiocommunication service from interference due to utilisation by other radiocommunication services.

Article 11 in transitional provisions newly sets the possibility to utilise radio frequencies by those commercial broadcasting networks which were granted by individual authorisation before this part of the Radio Spectrum Utilisation Plan came into effect. The purpose of such condition is to allow utilisation of these radio frequencies until block allocations are granted to the final digital broadcasting networks, the broadcasting of which should substitute this time- and territory-limited broadcasting. For this reason, it is possible to extend the validity period of authorisations issued earlier, but only provided that the concluded international coordination agreements allow it.

Article 12 repeals the previously issued part of the Radio Spectrum Utilisation Plan for the 174–380 MHz band and Article 13 sets the effect of this part of the Radio Spectrum Utilisation Plan in accordance with Section 124 of the Act.

Based on Section 130 of the Act and in accordance with the Czech Telecommunication Office Rules for Conducting Consultations at the Discussion Site, the Office published a draft of the Measure of General Nature Part No. PV-P/21/XX.2022-YY of the Radio Spectrum Utilisation Plan on 21 June 2022 together with Call for comments at the discussion site. The Office received during the public consultation comments from five entities.

Two entities requested that the condition in Article 9(10), saying that the Office will grant individual authorisation only provided that international coordination is not required, is removed. The Office did not accept this comment due to the current situation when the existing coordinated allotments are not fully utilised in the Czech Republic and the neighbouring states do not accept proposals to open coordination of further request. In case the situation of utilising coordinated allotments would change, the Office will, based on interest, open coordination negotiations with the neighbouring states.

Two entities requested to organize a tender for radio frequencies block allocations after amending the Act No. 231/2001 Coll. on radio and television broadcasting operation. The Office did not accept this comment and will proceed according to Section 21 of the Act.

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Comment No. 11 was partly accepted. The Office specified that the validity of the existing individual authorisation can be extended provided that international coordination agreements will be kept. The Office expects that the future block allocation holders will launch broadcasting during 2023 and this amendment pursues the possibility to maintain digital broadcasting so that it will fluently transit from broadcasting based on existing individual authorisations to broadcasting based on granted block allocations with minimal impact on the listeners.

The Office will take into account the comment sent by the fifth entity when preparing the tender for granting of the radio frequencies block allocations for commercial broadcasting networks.

The settlement table, published on the discussion site, complies with the Rules of the Czech Telecommunication Office for Consultations at the Discussion Site and presents summary of comments and settlement thereof by the Office, including justification.

The Office simultaneously corrected a formal mistake in Annex 1 at 9B block which consisted in listing PHA allotment. Since this block was not internationally coordinated for this allotment, it cannot be marked like that. Also, the Office corrected a typo at 11B block where OLO and LIB allotments were not divided.

On behalf of the Council of the Czech
Telecommunication Office

Hana Továrková

Chair of the Council
of the Czech Telecommunication Office
<signed>

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Annex 1: Allotments for the digital multimedia broadcasting for the individual territorial units

Multimedia applications with T-DAB spectral mask	
Block and range in MHz	Allotments
5A (174,160–175,696)	MOS, ZLI
5B (175,872–177,408)	
5C (177,584–179,120)	PHA
5D (179,296–180,832)	
6A (181,168–182,704)	PHA,KVA
6B (182,880–184,416)	PLZ, PHA, VYS
6C (184,592–186,128)	PHA, VYS
6D (186,304–187,840)	
7A (188,160–189,696)	JMO,OLO,ZLI
7B (189,872–191,408)	KVA, UST, LIB, VYS
7C (191,584–193,120)	LIB, KHR, JMO, OLO, ZLI
7D (193,296–194,832)	KVA, UST, LIB, KHR, PAR
8A (195,168–196,704)	
8B (196,880–198,416)	STC-N, STC-S
8C (198,592–200,128)	STC-N, STC-S
8D (200,304–201,840)	STC-N, STC-S
9A (202,160–203,696)	JCE, PAR
9B (203,872–205,408)	STC-N, STC-S, JCE, PLZ, KVA, UST, LIB, KHR, PAR, VYS, JMO, OLO, MOS, ZLI
9C (205,584–207,120)	PLZ-SUS, JCE, OLO, MOS, ZLI
9D (207,296–208,832)	STC-N, STC-S, PHA, JCE, PLZ, KVA, UST, LIB, KHR, PAR, VYS, JMO, OLO, MOS, ZLI
10A (209,168–210,704)	JMO
10B (210,880–212,416)	KHR
10C (212,592–214,128)	LIB, VYS, PLZ, KVA UST, JCE
10D (214,304–215,840)	MOS, VYS, PAR, JMO, OLO, ZLI
11A (216,160–217,696)	PAR
11B (217,872–219,408)	JCE, PLZ, KVA, UST, KHR, OLO, LIB, PAR, PHA, STC-N, STC-S
11C (219,584–221,120)	JCE, PLZ
11D (221,296–222,832)	MOS, STC-N, STC-S PHA, KHR
12A (223,168–224,704)	JMO
12B (224,880–226,416)	PLZ-PLZ, MOS
12C (226,592–228,128)	BOHEMIA
12D (228,304–229,840)	MORAVIA

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Annex 2: Territorial definition of allotments

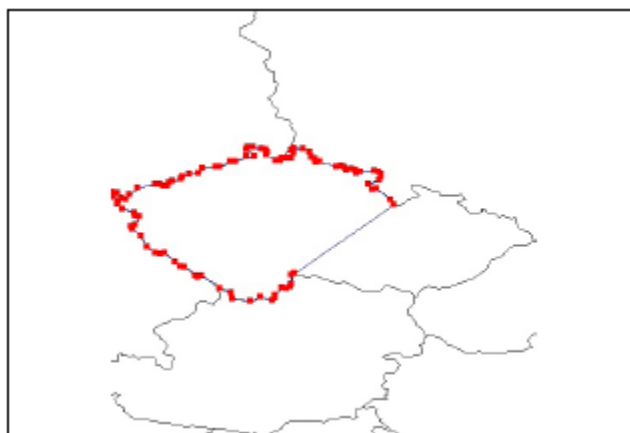
The geographic coordinates of border points designating the allotments are, in accordance with the Agreement Geneva 2006, listed in the IDWM system²⁹⁾ as follows:

c1	latitude (±DDMMSS)
c2	longitude (±DDDMMSS)

a) Title BOHEMIA

Coordinates of border points designating the allotment:

c1	505159	504914	504919	505450	505729	510012	510111	510232
c2	0144942	0144815	0144356	0143437	0143536	0143415	0143012	0142139
c1	510222	505948	505341	505312	504833	504850	504327	504359
c2	0141717	0141539	0142337	0141459	0140416	0135954	0135006	0134552
c1	504219	503715	503643	503405	503126	502952	502759	502523
c2	0133258	0132930	0132047	0131347	0131232	0130413	0130101	0125940
c1	502452	502624	502640	502338	501711	501214	501345	501830
c2	0125517	0125149	0124736	0123107	0122305	0121925	0121545	0121119
c1	501923	501702	501431	501041	500754	500307	495916	495635
c2	0120536	0120743	0120601	0121201	0121133	0121611	0122746	0122828
c1	495519	494724	494551	494314	493643	492612	492016	491946
c2	0123222	0122813	0122444	0122557	0123349	0123940	0124813	0125231
c1	492022	491151	490727	490651	485840	485652	485835	484620
c2	0125644	0130705	0131146	0131550	0132602	0132910	0133222	0135005
c1	484208	483657	483411	483826	483501	483723	484005	484715
c2	0140055	0140230	0141858	0142924	0144048	0144254	0144304	0144949
c1	484636	484754	485043	485905	490108	500704	501157	502232
c2	0145350	0145729	0145830	0145852	0150133	0163724	0163354	0162105
c1	502202	502644	503104	503344	503626	503832	503937	503854
c2	0161657	0161233	0162336	0162453	0162512	0162220	0161812	0160523
c1	503737	504017	504104	504023	504300	504432	504411	504840
c2	0160124	0160018	0155601	0155151	0155007	0154632	0154201	0152615
c1	504803	505046	505223	505745	510107	510123	505905	505650
c2	0152201	0152120	0151748	0151650	0150952	0150109	0145838	0150106
c1	505137	505216						
c2	0145813	0145403						



²⁹⁾ Abbreviation IDWM stands for ITU Digitised World Map.

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b) Title JCE

Coordinates of border points designating the allotment:

c1	493000	493300	493400	493149	493610	493600	493200	491800
c2	0135700	0140400	0141300	0143348	0144016	0144600	0145600	0145500
c1	491317	490729	490755	490529	490015	485727	485444	485629
c2	0152022	0152522	0153311	0153545	0152937	0153609	0153248	0152934
c1	485716	485855	485916	485713	485640	485921	490010	490108
c2	0152535	0152210	0151805	0151523	0151118	0150936	0150540	0150133
c1	485905	485621	485332	485043	484754	484636	484715	484444
c2	0145852	0145906	0145910	0145830	0145729	0145350	0144949	0144748
c1	484239	484005	483723	483501	483638	483657	483826	483628
c2	0144510	0144304	0144254	0144048	0143715	0143306	0142924	0142626
c1	483436	483411	483458	483543	483549	483657	483940	484208
c2	0142305	0141858	0141456	0141043	0140628	0140230	0140300	0140055
c1	484334	484521	484620	484931	485143	485250	485451	485707
c2	0135709	0135400	0135005	0134727	0134503	0134114	0133828	0133559
c1	485835	491146	493100					
c2	0133222	0134236	0134600					



c) Title JMO

Coordinates of border points designating the allotment:

c1	490443	490153	485714	485634	485119	484931	484845	485037
c2	0170754	0171450	0172600	0173308	0173841	0173521	0173107	0172657
c1	484851	485233	485023	485022	484713	484320	484015	483819
c2	0172336	0171219	0170858	0170645	0170535	0170006	0165828	0165830
c1	483700	483940	484221	484309	484320	484446	484643	484717
c2	0165642	0165539	0165456	0165053	0164642	0164307	0164010	0163555
c1	484846	484846	484630	484411	484409	484436	484506	484505
c2	0163215	0162808	0162537	0162311	0161853	0161435	0161013	0160553
c1	484619	484757	484952	485152	485241	485134	485220	485356
c2	0160205	0155838	0155537	0155233	0154813	0154425	0154026	0153656
c1	485444	485727	490505	491600	492137	493400	493740	493500
c2	0153248	0153609	0161320	0161500	0162233	0162300	0163353	0164700
c1	492211	492300	491500					
c2	0164859	0170400	0171000					

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d) Title KHR

Coordinates of border points designating the allotment:

c1	500917	500604	500234	500800	500900	500800	500500	501500
c2	0163450	0162101	0161446	0160000	0154600	0153400	0152500	0152300
c1	502148	503120	502944	503118	504624	504537	504411	504432
c2	0150728	0150829	0152304	0153554	0153405	0153812	0154201	0154632
c1	504300	504023	504104	504017	503737	503854	503851	503947
c2	0155007	0155151	0155601	0160018	0160124	0160523	0160948	0161354
c1	503937	503832	503626	503344	503104	503015	502837	502644
c2	0161812	0162220	0162512	0162453	0162336	0161924	0161549	0161233
c1	502433	502202	502232	501958	501853	501636	501411	501157
c2	0161507	0161657	0162105	0162246	0162639	0162905	0163113	0163354



e) Title KVA

Coordinates of border points designating the allotment:

c1	502349	501928	500700	500100	495945	495528	495519	495635
c2	0125804	0131358	0131700	0131400	0130446	0125055	0123222	0122828
c1	495916	500032	500157	500307	500531	500754	501041	501257
c2	0122746	0122353	0122003	0121611	0121357	0121133	0121201	0120929
c1	501431	501702	501923	501830	501605	501345	501214	501446
c2	0120601	0120743	0120536	0121119	0121318	0121545	0121925	0122103
c1	501711	501926	502105	502338	502413	502440	502526	502640
c2	0122305	0122543	0122911	0123107	0123524	0123946	0124349	0124736
c1	502624	502452						
c2	0125149	0125517						

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f) Title LIB

Coordinates of border points designating the allotment:

c1	503118	502944	503120	503628	502913	503000	503900	504900
c2	0153554	0152304	0150829	0145647	0143902	0142800	0142200	0142700
c1	505000	505046	504919	504914	505159	505216	505137	505359
c2	0143800	0144016	0144356	0144815	0144942	0145403	0145813	0150021
c1	505650	505905	510123	510034	510107	505927	505745	505458
c2	0150106	0145838	0150109	0150525	0150952	0151322	0151650	0151621
c1	505223	505046	504803	504840	504710	504624		
c2	0151748	0152120	0152201	0152615	0152951	0153405		



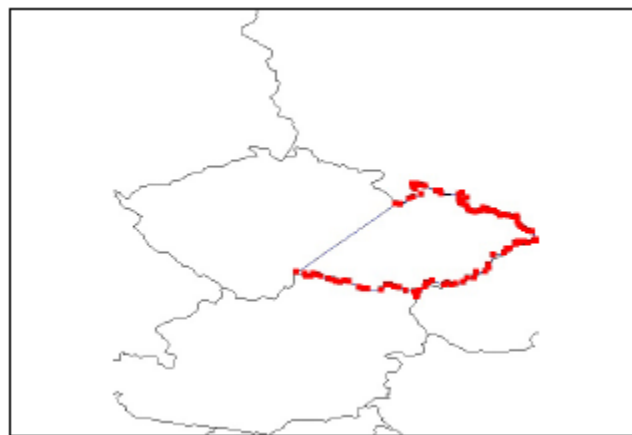
g) Title MORAVIA

Coordinates of border points designating the allotment:

c1	490108	485921	485640	485713	485916	485855	485716	485444
c2	0150133	0150936	0151118	0151523	0151805	0152210	0152535	0153248
c1	485356	485220	485134	485241	485152	484619	484505	484506
c2	0153656	0154026	0154425	0154813	0155233	0160205	0160553	0161013
c1	484411	484846	484846	484717	484643	484320	484221	483700
c2	0162311	0162808	0163215	0163555	0164010	0164642	0165456	0165642
c1	483819	484320	484713	485022	485023	485233	484851	485037
c2	0165830	0170006	0170535	0170645	0170858	0171219	0172336	0172657
c1	484845	484931	485138	485526	485538	490053	490200	490522
c2	0173107	0173521	0174215	0174650	0175307	0175459	0180331	0180649
c1	490806	491714	491927	492202	492343	492339	492757	492921
c2	0180617	0181057	0182151	0182448	0182412	0182655	0183239	0183156

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c1	493044	492949	493025	492921	493109	493223	494028	494045
c2	0183538	0183624	0184051	0184440	0185029	0185144	0184836	0184421
c1	494220	494425	494701	494933	495226	495512	495428	495555
c2	0184050	0183759	0183617	0183428	0183432	0183338	0182931	0182547
c1	495619	495532	495751	495930	495943	500217	500309	500026
c2	0182134	0181727	0181505	0181130	0180706	0180539	0180134	0180208
c1	500011	495841	495934	500142	500421	500629	500735	501019
c2	0175746	0175413	0175001	0174708	0174535	0174247	0173846	0173818
c1	501109	501259	501756	501604	501644	501928	501936	502417
c2	0174223	0174542	0174140	0173827	0172107	0172043	0171616	0170538
c1	502508	502546	502554	502314	502042	501621	501315	501152
c2	0170136	0165719	0165306	0165408	0165602	0170116	0165422	0165031
c1	500605	500704						
c2	0164128	0163724						



h) Title MOS

Coordinates of border points designating the allotment:

c1	492931	493229	494200	495100	500459	501619	501618	501614
c2	0181617	0175445	0174200	0170900	0171352	0172525	0172953	0173415
c1	501604	501756	501537	501259	501109	501019	500735	500629
c2	0173827	0174140	0174402	0174542	0174223	0173818	0173846	0174247
c1	500421	500142	495934	495841	500011	500026	500309	500217
c2	0174535	0174708	0175001	0175413	0175746	0180208	0180134	0180539
c1	495943	495930	495751	495532	495619	495555	495428	495512
c2	0180706	0181130	0181505	0181727	0182134	0182547	0182931	0183338
c1	495226	494933	494701	494425	494220	494045	494028	493744
c2	0183432	0183428	0183617	0183759	0184050	0184421	0184836	0184913
c1	493500	493223	493109	493029	492921	493025	492949	493044
c2	0185025	0185144	0185029	0184717	0184440	0184051	0183624	0183538
c1	492921	492757	492339	492343				
c2	0183156	0183239	0182655	0182412				

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i) Title OLO

Coordinates of border points designating the allotment:

c1	492600	492100	491500	492300	492211	493500	493900	495000
c2	0173800	0172000	0171000	0170400	0164859	0164700	0165000	0164500
c1	495800	500400	500743	500946	501152	501315	501417	501621
c2	0164300	0164900	0164456	0164750	0165031	0165422	0165823	0170116
c1	501830	502042	502314	502554	502546	502508	502417	502255
c2	0165832	0165602	0165408	0165306	0165719	0170136	0170538	0170928
c1	502115	501936	501928	501644	501619	500459	495100	494200
c2	0171249	0171616	0172043	0172107	0172525	0171352	0170900	0174200
c1	493229							
c2	0175445							



j) Title PAR

Coordinates of border points designating the allotment:

c1	500400	495800	495000	493900	493500	493740	493400	493800
c2	0164900	0164300	0164500	0165000	0164700	0163353	0162300	0161600
c1	494400	494114	494921	494903	495000	495600	500100	500500
c2	0160000	0155457	0154415	0153509	0152900	0153200	0152200	0152500
c1	500800	500900	500800	500234	500604	500917	500704	500605
c2	0153400	0154600	0160000	0161446	0162101	0163450	0163724	0164128
c1	500743							
c2	0164456							

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k) Title PHA

Coordinates of border points designating the allotment:

c1	501123	500725	500500	500100	495934	495929	495612	500600
c2	0143234	0143923	0144300	0144035	0143841	0143056	0142121	0141300
c1	500752							
c2	0141632							



l) Title PLZ

Coordinates of border points designating the allotment:

c1	500357	495600	494600	494035	493100	491146	485835	485652
c2	0132513	0135000	0134800	0134252	0134600	0134236	0133222	0132910
c1	485840	490104	490340	490539	490651	490727	491002	491151
c2	0132602	0132358	0132229	0131934	0131550	0131146	0131023	0130705
c1	491419	491556	491828	492022	491946	492016	492230	492443
c2	0130506	0130144	0125953	0125644	0125231	0124813	0124542	0124310
c1	492612	492900	493123	493358	493643	493857	494115	494314
c2	0123940	0123845	0123626	0123439	0123349	0123122	0122856	0122557
c1	494551	494724	494958	495236	495519	495528	495945	500100
c2	0122444	0122813	0122958	0123129	0123222	0125055	0130446	0131400
c1	500700							
c2	0131700							

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m) Title STC-N

Coordinates of border points designating the allotment:

c1	501500	502100	502100	503000	502913	503628	503120	502148
c2	0135200	0140000	0142200	0142800	0143902	0145647	0150829	0150728
c1	501500	500500	500100	495600	495000	494700	500100	500500
c2	0152300	0152500	0152200	0153200	0152900	0152600	0144035	0144300
c1	500725	501123	500752					
c2	0143923	0143234	0141632					



n) Title STC-S

Coordinates of border points designating the allotment:

c1	494700	494500	493900	493500	493200	493600	493610	493149
c2	0152600	0151500	0151100	0150000	0145600	0144600	0144016	0143348
c1	493400	493300	493000	493100	494035	494600	495600	500357
c2	0141300	0140400	0135700	0134600	0134252	0134800	0135000	0132513
c1	501200	501500	500752	500600	495612	495929	495934	500100
c2	0133200	0135200	0141632	0141300	0142121	0143056	0143841	0144035

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o) Title UST

Coordinates of border points designating the allotment:

c1	505000	504900	503900	503000	502100	502100	501500	501200
c2	0143800	0142700	0142200	0142800	0142200	0140000	0135200	0133200
c1	500357	500700	501500	501928	502349	502452	502523	502759
c2	0132513	0131700	0131500	0131358	0125804	0125517	0125940	0130101
c1	502952	503009	503126	503405	503434	503643	503634	503715
c2	0130413	0130841	0131232	0131347	0131809	0132047	0132512	0132930
c1	503939	504219	504243	504311	504359	504327	504444	504713
c2	0133156	0133258	0133723	0134140	0134552	0135006	0135401	0135612
c1	504850	504833	504956	505108	505312	505305	505341	505611
c2	0135954	0140416	0140805	0141209	0141459	0141923	0142337	0142153
c1	505837	505948	510222	510232	510114	510111	510012	505729
c2	0141939	0141539	0141717	0142139	0142544	0143012	0143415	0143536
c1	505450	505303	505046					
c2	0143437	0143757	0144016					



p) Title VYS

Coordinates of border points designating the allotment:

c1	492137	491600	490505	485727	490015	490529	490755	490729
c2	0162233	0161500	0161320	0153609	0152937	0153545	0153311	0152522
c1	491317	491800	493200	493500	493900	494500	494700	495000
c2	0152022	0145500	0145600	0150000	0151100	0151500	0152600	0152900
c1	494903	494921	494114	494400	493800	493400		
c2	0153509	0154415	0155457	0160000	0161600	0162300		

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q) Title ZLI

Coordinates of border points designating the allotment:

c1	492343	492202	491927	491714	490806	490522	490200	490121
c2	0182412	0182448	0182151	0181057	0180617	0180649	0180331	0175926
c1	490053	485538	485526	485138	485119	485634	485714	490153
c2	0175459	0175307	0174650	0174215	0173841	0173308	0172600	0171450
c1	490443	491500	492100	492600	493229	492931		
c2	0170754	0171000	0172000	0173800	0175445	0181617		



r) Title PLZ-PLZ

Coordinates of border points designating the allotment:

c1	500357	495600	494600	494035	493100	492022	491946	492016
c2	0132513	0135000	0134800	0134252	0134600	0125644	0125231	0124813
c1	492230	492443	492612	492900	493123	493358	493643	493857
c2	0124542	0124310	0123940	0123845	0123626	0123439	0123349	0123122
c1	494115	494314	494551	494724	494958	495236	495519	495528
c2	0122856	0122557	0122444	0122813	0122958	0123129	0123222	0125055
c1	495945	500100	500700					
c2	0130446	0131400	0131700					

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s) Title PLZ-SUS

Coordinates of border points designating the allotment:

c1	493100	491146	485835	485652	485840	490104	490340	490539
c2	0134600	0134236	0133222	0132910	0132602	0132358	0132229	0131934
c1	490651	490727	491002	491151	491419	491556	491828	492022
c2	0131550	0131146	0131023	0130705	0130506	0130144	0125953	0125644

