

**Decision of the President of
the Communications Regulatory Authority
No. (5) of 2018
Issuing the Radio Spectrum License to
Ooredoo P.Q.S.C.**

The President of Communications Regulatory Authority,

Pursuant to the Telecommunications Law No. (34) of 2006 and its amendments, and

The Decision of the Board of the Supreme Council for Information and Communication Technology No. (1) of 2009 on the promulgation of the Executive By-Law for the Telecommunications Law, and

The Emiri Decree No. (42) of 2014 Establishing the Communications Regulatory Authority, and

The Public Mobile Telecommunications Networks and Services License (ICTRA 08/07A) of the Licensee and its modifications, and

After consultation with the stakeholders,

Has decided as follows:

Article 1

The provisions of the Radio Spectrum License with reference (CRASM 2018/11/dd-A) attached hereto shall come into force.

Article 2

The Radio Spectrum License revokes and replaces all prior existing Radio Spectrum Licenses, authorizations and permissions granted to the Licensee.

Article 3

All competent authorities, each within its jurisdiction, shall implement this decision from the date of its issuance.

Article 4

This decision shall enter into force from the date of its signature.



Mohammed Ali Al-Mannai
President of Communications Regulatory Authority
Issued on: [December, 30 2018]



Radio Spectrum License

Issued to:

Ooredoo Q.P.S.C.

Effective Date: December, 30 2018

CRASM 2018/12/30-A



Radio Spectrum License

Version Control

Version	Date	Changes
1.00	Dec 30, 2018	Final Document following consultation



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1. Grant

- 1.1 The Communications Regulatory Authority ("**CRA**") hereby grants this Radio Spectrum License ("**License**") to:

Ooredoo Q.P.S.C.

Commercial Registration Number: 21183

Registered Trading Address: PO Box 217 Doha, Qatar

("Licensee").

- 1.2 This License grants to the Licensee the right to use the Radio Spectrum described in Annex I ("**Assigned Radio Spectrum**") in accordance with the terms and conditions of the Applicable Regulatory Framework ("**ARF**") for the provision of Telecommunications Networks and Services, which the Licensee is authorized to provide.

2. Definitions

- 2.1 The words and expressions used in this License shall have the meanings set forth in the Telecommunications Law, Executive By-Law for the Telecommunications Law, regulations issued pursuant to the Telecommunications Law and Annex II of this License.

3. Legal Nature of the License

- 3.1 The License is a unilateral administrative grant by the State of Qatar acting in the public interest.
- 3.2 The License does not grant the Licensee any ownership interest or property rights in the Assigned Radio Spectrum, nor shall any such rights be created or implied by virtue of the Licensee's use of the Assigned Radio Spectrum.

4. Duration of the License

- 4.1 The License shall become effective on the date of its grant ("**Effective Date**"). This License, subject to clauses 12 and 13, shall remain effective until the term ("**Expiry Date**") of the Assigned Radio Spectrum as per Annex I of this License.

5. General Compliance Obligation of the Licensee

- 5.1 The Licensee shall comply with the terms and conditions of this License and with all other aspects of the Applicable Regulatory Framework.
- 5.2 Nothing in this License shall absolve the Licensee from any requirement to obtain any approvals, consents, licenses, permissions or authorizations that may be required to conduct its activities.

6. Use of Radio Spectrum

- 6.1 The Licensee shall ensure that Stations are operated within the Assigned Radio Spectrum and are not used for unlawful purposes or misused in any way.
- 6.2 The Licensee shall ensure that the Stations are established, installed, maintained and used only in accordance with the provisions of the ARF.



Radio Spectrum License

- 6.3 The Licensee shall ensure that the Stations are used only by persons who are authorized by the Licensee and that such persons are made aware of the terms, provisions, limitations and conditions of this License and of the requirement to comply with the same.
- 6.4 The Licensee shall notify the CRA promptly if the Licensee no longer requires the use of any portion of the Assigned Radio Spectrum.
- 6.5 The Assigned Radio Spectrum shall be used efficiently, and at minimum as per the ITU Recommendation ITU-R SM.1046-1, ITU Report ITU-R M.2134 or any other recommendations set by ECC or 3GPP.
- 6.6 The CRA may issue further regulatory instruments setting out the specific requirements regarding measurements for the effectiveness and the efficiency of the use of radio spectrum.
- 6.7 The CRA may direct the Licensee to identify and release any or all of the Assigned Radio Spectrum if (i) the CRA determines that the Assigned Radio Spectrum is not being used or is being used inefficiently, or if (ii) it is required to sustain competition in favor of customers and the public, or (iii) for any other reason pertaining to the public interest of the State of Qatar.
- 6.8 Except as otherwise provided in the ARF, and subject to consultation with the CRA and a minimum of ninety (90) calendar days' notice (which may include part or all of the consultation period), the Licensee shall comply fully with any regulatory instrument issued by the CRA to identify or release any radio spectrum as determined by the CRA. The Licensee shall comply fully with any timetables for the release of radio spectrum designated from time to time by the CRA for release.
- 6.9 The Licensee shall ensure that non-ionizing Radiation Emissions from each Station comply with current and any future limits set by the International Commission for Non-ionizing Radiation Protection ("ICNIRP") or its successors, and any Radiation Emission standards adopted and implemented in the State of Qatar.

7. Harmful Interference

- 7.1 The Licensee shall take all necessary steps to ensure that the use of the Assigned Radio Spectrum does not cause Harmful Interference to other Stations and other Telecommunications Networks.
- 7.2 The Licensee shall take all appropriate measures to ensure that its Stations provide the appropriate and necessary immunity from harmful electromagnetic disturbances and Harmful Interference.
- 7.3 The use of any part of the Assigned Radio Spectrum to mitigate the likelihood of Harmful Interference occurring (including the provision of guard band(s)) shall be at the discretion of the Licensee and at its costs.

- 7.4 The Licensee shall take all necessary steps to ensure that any Harmful Interference experienced from a source within the State of Qatar is resolved amicably between the concerned parties within fifteen (15) calendar days of the Interference being detected



and brought to the relevant party's or parties' attention. The Licensee shall notify the CRA as soon as practicable after it experiences prolonged Harmful Interference, and shall keep the CRA informed of any steps taken to resolve the Interference and the results obtained thereafter.

- 7.5 Where Harmful Interference has not been resolved amicably between the Licensee and the other party or parties within fifteen (15) calendar days of notification of the Interference to the other party or parties, any party shall refer the matter to the CRA.
- 7.6 Without prejudice to Chapter (14) of the Telecommunications Law, the CRA shall investigate the matter and issue a decision, determination or order with respect thereto.
- 7.7 The CRA may direct the Licensee to take, at its costs, such action as may be necessary to resolve a case of Harmful Interference.

8. **Type Approval**

- 8.1 The Licensee shall ensure that the Radio Equipment used by the Licensee in Qatar is type approved by the CRA and at all times complies with all applicable emission standards and technical specifications or requirements specified by the CRA.

9. **Radio Spectrum Sharing, Trading, Sale, Assignment and/or Transfer**

- 9.1 The Licensee shall not, except with the prior written approval of the CRA, share, assign, transfer, trade, sell or otherwise dispose of the whole or any part of the rights, privileges, duties and/or obligations under a Radio Spectrum License to any other person or persons.

10. **Requirement to Provide Information for Trial and Demonstration**

- 10.1 Where the Licensee has been assigned Radio Spectrum for the purpose of a Trial and Demonstration, the Licensee shall submit a report on the results of any such Trial and Demonstration to the CRA within a period of thirty (30) calendar days from completion. This report shall include, but not limited to, the following information: test location, test summary, test type, test methodology, test assessment, test results, variances, test instances, resolved/unresolved test incidents, and conclusions.

11. **Fees for the Use of Radio Spectrum**

- 11.1 The fees for the use of the Radio Spectrum shall be calculated in accordance with the Schedule of Fees as set by the Minister.

12. **Renewal of the Assigned Radio Spectrum**

- 12.1 The Licensee shall file an application for renewal for any part of the Assigned Radio Spectrum at least ninety (90) calendar days before the Expiry Date of the assignment.
- 12.2 An assignment of Radio Spectrum does not create any right for renewal, and there shall be no automatic renewal of the assignment of the Radio Spectrum.



13. Amendment, Suspension and Revocation of the License

- 13.1 The CRA may amend the License in any of the following circumstances:
- (a) in accordance with the Telecommunications Law, Executive By-Law, and the terms and conditions of the License;
 - (b) as requested by the Licensee and approved by the CRA;
 - (c) to implement changes resulting from international treaties or laws that require the amendment; and/or
 - (d) if required to ensure the effective and efficient use of radio spectrum.
- 13.2 The CRA may suspend or revoke the License in any of the following circumstances:
- (a) material breach of any of the conditions of the ARF;
 - (b) failure to pay fees;
 - (c) if required to ensure the effective and efficient use of radio spectrum; and/or
 - (d) if required by any other statute of the State of Qatar.
- 13.3 The License shall automatically terminate on termination of the License for the Provision of Telecommunications Networks and Services granted to the Licensee.
- 13.4 If the Licensee ceases to use the Assigned Radio Spectrum for a continuous period of one (1) year, the License shall be deemed abandoned and the CRA may (i) re-assign the Radio Spectrum immediately to another party, or (ii) revoke the right to use the Radio Spectrum after providing a thirty (30) calendar days' notice to the Licensee.
- 13.5 If the License is revoked or not renewed, the use of the Station(s) associated with the License shall be considered illegal. The Licensee shall ensure that the associated Stations are dismantled. The Licensee shall provide to the CRA a certificate regarding the action taken within one (1) month of the suspension, revocation or non-renewal of the License. The fees for the use of Radio Spectrum will continue to be payable until the relevant documents have been satisfactorily submitted.
- 13.6 In the event the License is suspended, the Licensee shall store securely the Station(s), and submit to the CRA a statement that the equipment will be kept without operation and will only be operated again after approval from the CRA.

14. Record-Keeping Obligations

- 14.1 The Licensee shall maintain up to date records for each Station, including:
- (a) the specifications of the Station;
 - (b) the equipment specifications;
 - (c) the coverage area;
 - (d) the effective radiated power at each frequency;
 - (e) class of emission as per ITU RR Appendix 1; and
 - (f) the geographic coordinates, height above ground, azimuth, elevation.



15. Notices

15.1 Notices in connection with the License shall be in writing and in the English language.

15.2 Notices for the CRA shall be marked for the attention of:

Communications Regulatory Authority

Office of the President

president@cra.gov.qa

Al Nasr Tower B

Doha, Qatar

15.3 Notices for the Licensee shall be marked for the attention of the Chief Executive Officer of the Licensee.



Radio Spectrum License

Annex I Assigned Radio Spectrum

System	Frequency Band		Bandwidth	Duration		Type	Notes
	From [MHz]	to [MHz]		Grant Date [date]	Expiry Date [date]		

Cellular mobile	811.00	821.00	10.00	14 Jun 2012	07 Oct 2027	Permanent	Exclusive basis
Cellular mobile	852.00	862.00	10.00	14 Jun 2012	07 Oct 2027	Permanent	Exclusive basis
Cellular mobile	898.60	903.60	5.00	30 May 2017	31 May 2018	Temporary	Exclusive basis
Cellular mobile	903.60	914.80	11.20	24 Jul 2007	07 Oct 2027	Permanent	Exclusive basis
Cellular mobile	943.60	948.60	5.00	30 May 2017	31 May 2018	Temporary	Exclusive basis
Cellular mobile	948.60	959.80	11.20	24 July 2007	07 Oct 2027	Permanent	Exclusive basis
Cellular mobile	1710.00	1720.00	10.00	30 May 2017	31 May 2018	Temporary	Exclusive basis
Cellular mobile	1735.20	1755.00	19.80	24 July 2007	07 Oct 2027	Permanent	Exclusive basis
Cellular mobile	1805.00	1815.00	10.00	30 May 2017	31 May 2018	Temporary	Exclusive basis
Cellular mobile	1830.20	1850.00	19.80	24 Jul 2007	07 Oct 2027	Permanent	Exclusive basis
Cellular mobile	1755.00	1760.00	5.00	01 Apr 2014	07 Oct 2027	Permanent	Exclusive basis
Cellular mobile	1850.00	1855.00	5.00	01 Apr 2014	07 Oct 2027	Permanent	Exclusive basis
Cellular mobile	1925.00	1940.00	15.00	24 Jul 2007	07 Oct 2027	Permanent	Exclusive basis
Cellular mobile	1970.00	1980.00	10.00	30 May 2017	31 May 2018	Temporary	Exclusive basis
Cellular mobile	1920.00	1925.00	5.00	01 Apr 2014	07 Oct 2027	Permanent	Exclusive basis
Cellular mobile	2110.00	2115.00	5.00	01 Apr 2014	07 Oct 2027	Permanent	Exclusive basis
Cellular mobile	2115.00	2130.00	15.00	24 Jul 2007	07 Oct 2027	Permanent	Exclusive basis
Cellular mobile	2160.00	2170.00	10.00	30 May 2017	31 May 2018	Temporary	Exclusive basis
Cellular mobile	2500.00	2520.00	20.00	14 Jun 2012	07 Oct 2027	Permanent	Exclusive basis
Cellular mobile	2620.00	2640.00	20.00	14 Jun 2012	07 Oct 2027	Permanent	Exclusive basis



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Cellular mobile	3500.00	3600.00	100.00	31 May 2018	31 Dec 2018	Trial and Demonstration	Non-commercial, Trial and Demonstration only
Cellular mobile	3500.00	3600.00	100.00	01 Jan 2019	07 Oct 2027	Permanent	Exclusive basis
TETRA	410.00	415.00	5.00	07 Oct 2007	07 Oct 2027	Permanent	Exclusive basis
TETRA	420.00	425.00	5.00	07 Oct 2007	07 Oct 2027	Permanent	Exclusive basis
P-P/P-MP Light License	2400.00	2483.50	20.00	07 Oct 2007	07 Oct 2032	Permanent	2.4 GHz Light Licensed
P-P/P-MP Light License	5725.00	5875.00	20.00	08 Jul 2015	07 Oct 2032	Permanent	5.8 GHz Light Licensed
Earth Station	TX 5850 to 6425	RX 3625 to 4200	1.20	29 Jul 2007	07 Oct 2032	Permanent	ES1 – Mukheines C Band Doha 5 Indian Ocean 60 deg Intelsat 22 carriers - Uplink
Earth Station	TX 13750 to 14500	RX 10700 to 12750	3.00	29 Jul 2007	07 Oct 2032	Permanent	ES4 – Mukheines Ku Band TV earth station 7.2 m - Uplink
Costal Station	2.768		0.2	29 Jul 2007	07 Oct 2032	Permanent	MF/RT
Costal Station	3.673		0.2	29 Jul 2007	07 Oct 2032	Permanent	MF/RT
Costal Station	4.2125		0.2	29 Jul 2007	07 Oct 2032	Permanent	HF/RTTY
Costal Station	4.2160		0.2	29 Jul 2007	07 Oct 2032	Permanent	HF/RTTY
Costal Station	8.4210		0.2	29 Jul 2007	07 Oct 2032	Permanent	HF/RTTY
Costal Station	8.4270		0.2	29 Jul 2007	07 Oct 2032	Permanent	HF/RTTY
Costal Station	12.5910		0.2	29 Jul 2007	07 Oct 2032	Permanent	HF/RTTY
Costal Station	12.5960		0.2	29 Jul 2007	07 Oct 2032	Permanent	HF/RTTY
Costal Station	16.8140		0.2	29 Jul 2007	07 Oct 2032	Permanent	HF/RTTY
Costal Station	2.1745		0.2	29 Jul 2007	07 Oct 2032	Permanent	MF/NBDP
Costal Station	2.1820		0.2	29 Jul 2007	07 Oct 2032	Permanent	MF/Distress
Costal Station	2.1875		0.2	29 Jul 2007	07 Oct 2032	Permanent	MF/DSC
Costal Station	4.1775		0.2	29 Jul 2007	07 Oct 2032	Permanent	HF/NBDP
Costal Station	4.2075		0.200	29 Jul 2007	07 Oct 2032	Permanent	HF/DSC



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Costal Station	6.2150		0.200	29 Jul 2007	07 Oct 2032	Permanent	HF/RT
Costal Station	6.3120		0.200	29 Jul 2007	07 Oct 2032	Permanent	HF/DSC Distress
Costal Station	6.2680		0.200	29 Jul 2007	07 Oct 2032	Permanent	HF/DSC Distress
Costal Station	8.2910		0.200	29 Jul 2007	07 Oct 2032	Permanent	HF/Distress
Costal Station	8.3765		0.200	29 Jul 2007	07 Oct 2032	Permanent	HF/NBDP
Costal Station	8.4145		0.200	29 Jul 2007	07 Oct 2032	Permanent	HF/DSC
Costal Station	12.5200		0.200	29 Jul 2007	07 Oct 2032	Permanent	HF/NBDP
Costal Station	12.5770		0.200	29 Jul 2007	07 Oct 2032	Permanent	HF/DSC
Costal Station	16.6950		0.200	29 Jul 2007	07 Oct 2032	Permanent	HF/NBDP
Costal Station	16.8045		0.200	29 Jul 2007	07 Oct 2032	Permanent	HF/DSC
Costal Station	156.800		0.025	29 Jul 2007	07 Oct 2032	Permanent	VHF/Distress
Costal Station	161.800		0.025	29 Jul 2007	07 Oct 2032	Permanent	VHF/Tx
Costal Station	161.900		0.025	29 Jul 2007	07 Oct 2032	Permanent	VHF/Tx
Costal Station	156.525		0.025	29 Jul 2007	07 Oct 2032	Permanent	VHF/DSC
Costal Station	161.675		0.025	29 Jul 2007	07 Oct 2032	Permanent	VHF/Tx
Costal Station	161.725		0.025	29 Jul 2007	07 Oct 2032	Permanent	VHF/Tx
Costal Station	161.975		0.025	29 Jul 2007	07 Oct 2032	Permanent	VHF/Tx
Costal Station	4.1250		0.200	29 Jul 2007	07 Oct 2032	Permanent	MF/HF RT
Costal Station	16.4200		0.200	29 Jul 2007	07 Oct 2032	Permanent	MF/HF RT
Costal Station	4.3810		0.200	29 Jul 2007	07 Oct 2032	Permanent	MF/HF RT
Costal Station	4.4170		0.200	29 Jul 2007	07 Oct 2032	Permanent	MF/HF RT
Costal Station	4.4230		0.200	29 Jul 2007	07 Oct 2032	Permanent	MF/HF RT
Costal Station	8.7280		0.200	29 Jul 2007	07 Oct 2032	Permanent	MF/HF RT
Costal Station	8.7790		0.200	29 Jul 2007	07 Oct 2032	Permanent	MF/HF RT
Costal Station	8.7940		0.200	29 Jul 2007	07 Oct 2032	Permanent	MF/HF RT
Costal Station	8.8120		0.200	29 Jul 2007	07 Oct 2032	Permanent	MF/HF RT
Costal Station	13.1610		0.200	29 Jul 2007	07 Oct 2032	Permanent	MF/HF RT
Costal Station	13.1910		0.200	29 Jul 2007	07 Oct 2032	Permanent	MF/HF RT
Costal Station	17.3020		0.200	29 Jul 2007	07 Oct 2032	Permanent	MF/HF RT
Costal Station	17.3170		0.200	29 Jul 2007	07 Oct 2032	Permanent	MF/HF RT
Costal Station	17.3680		0.200	29 Jul 2007	07 Oct 2032	Permanent	MF/HF RT
Costal Station	22.7770		0.200	29 Jul 2007	07 Oct 2032	Permanent	MF/HF RT
Costal Station	22.7980		0.200	29 Jul 2007	07 Oct 2032	Permanent	MF/HF RT



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Costal Station	8.2550		0.200	29 Jul 2007	07 Oct 2032	Permanent	MF/HF RT
Costal Station	1.849		0.200	07 Dec 2016	07 Oct 2032	Permanent	MF/HF RT
Costal Station	2.519		0.200	07 Dec 2016	07 Oct 2032	Permanent	MF/HF RT
Costal Station	2.601		0.200	07 Dec 2016	07 Oct 2032	Permanent	MF/HF RT
Costal Station	8.2700		0.200	07 Dec 2016	07 Oct 2032	Permanent	MF/HF RT
Costal Station	12.2900		0.200	07 Dec 2016	07 Oct 2032	Permanent	MF/HF RT
Costal Station	13.0770		0.200	07 Dec 2016	07 Oct 2032	Permanent	MF/HF RT
Costal Station	13.1370		0.200	07 Dec 2016	07 Oct 2032	Permanent	MF/HF RT

P-P Systems	Pair		Bandwidth	Duration		Type	Notes
	Go Channel [MHz]	Return Channel [MHz]		Grant Date [date]	Expiry Date [date]		

P-P	7128.00 to 7184.00	7282.00 to 7338.00	56+56	27 Nov 2013	07 Oct 2032	Permanent	Sauda -Nathil-North / Triana- Garden
P-P	7128.00 to 7184.00	7282.00 to 7338.00	56+56	27 Nov 2013	07 Oct 2032	Permanent	Abu- Sharrah Tetra / Umm- Bab
P-P	7128.00 to 7184.00	7282.00 to 7338.00	56+56	27 Nov 2013	07 Oct 2032	Permanent	AL-Ameriyah Tetra /Ain-Hamad
P-P	7128.00 to 7184.00	7282.00 to 7338.00	56+56	27 Nov 2013	07 Oct 2032	Permanent	MS71-Umm-Ain / Ain-Hamad
P-P	7128.00 to 7184.00	7282.00 to 7338.00	56+56	27 Nov 2013	07 Oct 2032	Permanent	Triana-Garden / Mufaid
P-P	7128.00 to 7184.00	7282.00 to 7338.00	56+56	27 Nov 2013	07 Oct 2032	Permanent	MS61Udaid- Environment / Khor-AL-Udaid
	7184.00 to 7240.00	7338.00 to 7394.00	56+56	27 Nov 2013	07 Oct 2032	Permanent	Mufaid / MUKANIS2



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P-P	7184.00 to 7240.00	7338.00 to 7394.00	56+56	27 Nov 2013	07 Oct 2032	Permanent	Abu-Sharrab / Ain-Hamad
P-P	7184.00 to 7240.00	7338.00 to 7394.00	56+56	27 Nov 2013	07 Oct 2032	Permanent	Khor-AL-Udaid / Triana-Garden
P-P	7184.00 to 7240.00	7338.00 to 7394.00	56+56	27 Nov 2013	07 Oct 2032	Permanent	NAKSH / Ain-Hamad
P-P	7184.00 to 7240.00	7338.00 to 7394.00	56+56	27 Nov 2013	07 Oct 2032	Permanent	Sauda-Nathil / Sauda-Nathil-North
P-P	7184.00 to 7240.00	7338.00 to 7394.00	56+56	27 Nov 2013	07 Oct 2032	Permanent	Triana-Garden / AL-Ameriyah
P-P	7184.00 to 7240.00	7338.00 to 7394.00	56+56	27 Nov 2013	07 Oct 2032	Permanent	Shagrah-OD10 / Mufaid
P-P	7428.00 to 7484.00	7582.00 to 7638.00	56+56	27 Nov 2013	07 Oct 2032	Permanent	Mufaid / jabal Marmi
P-P	7428.00 to 7484.00	7582.00 to 7638.00	56+56	27 Nov 2013	07 Oct 2032	Permanent	AL-Ameriyah Tetra / Ain-Hamad
P-P	7428.00 to 7484.00	7582.00 to 7638.00	56+56	27 Nov 2013	07 Oct 2032	Permanent	Triana-Garden / AL-Ameriyah
P-P	7428.00 to 7484.00	7582.00 to 7638.00	56+56	27 Nov 2013	07 Oct 2032	Permanent	Sauda-Nathil Check Post / Sauda-Nathil-North
P-P	18229.375 to 18476.875	19239.375 to 19486.875	247.5	various	07 Oct 2032	Permanent	Nationwide
P-P	18600.625 to 18669.375	19610.625 to 19679.375	68.75	various	07 Oct 2032	Permanent	Nationwide
P-P	18229.375 to 18284.375	19239.375 to 19294.375	68.75	various	07 Oct 2032	Permanent	Nationwide
P-P	18483.75 to 19493.75	18525.00 to 19535.00	55+55	Various	07 Oct 2032	Permanent	Nationwide



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P-P	24549.00 to 24605.00	25557 to 25613	56+56	various	07 Oct 2032	Permanent	Nationwide
P-P	24661.00 to 24717.00	25669 to 25725	56+56	various	07 Oct 2032	Permanent	Nationwide
P-P	72500.00 to 82500.00	73250.00 to 83250.00	1000+1000	various	07 Oct 2032	Permanent	Non-interference, non-protection



Annex II Definitions

The words and expressions used in the License shall have the meaning assigned by the relevant provisions of the Applicable Regulatory Framework ("ARF") when used herein. Words and expressions which are expressly defined for purposes of the License are set forth below or are identified in the boldface type where they are defined in the body of the License or its Annexes.

Any terms that are not defined by the License or the ARF shall be defined in accordance with the definitions applied by the International Telecommunication Union or in the absence of same, international best practice. The terms and expressions listed below shall be defined as follows unless the specific context requires otherwise, in line with the ARF.

Emission: Radiation produced, or the production of radiation, by a radio transmitting Mobile Station.

Harmful Interference: Interference which endangers the functioning of a service or of other safety services or seriously degrades, obstructs, or repeatedly interrupts a Radiocommunication Service operating in accordance with International Telecommunication Union Radio Regulations (ITU-RR).

Interference: The effect of unwanted energy due to one or a combination of Emissions, radiations, or inductions upon reception in a radiocommunication system, manifested by any performance degradation, misinterpretation, or loss of information which could be extracted in the absence of such unwanted energy.

P2MP: Point to Multipoint

P2P: Point to Point

Radiation: The outward flow of energy from any source in the form of Radio Waves.

Radio Waves: Electromagnetic waves of frequencies arbitrarily lower than 3 000 GHz, propagated in space without artificial guide.

Station: One or more transmitters or receivers or a combination of transmitters and receivers, including the accessory equipment, necessary at one location for carrying on a Radiocommunication Service. The term Stations includes also parts thereof.

*** End of License ***

