

Tambahan No. 20 Perundangan (B) kepada Warta No. 7 - 1 hb April 2000.

Communications And Multimedia Act 1998

P.U. (B) 109

Notification of Issuance of Class Assignments

In exercise of the powers conferred by section 169 of the Communications and Multimedia Act 1998 [Act 588], the Commission issues class assignments for the following devices ("the devices") :

- (a) citizen band communications device as specified in the First Schedule;
- (b) cellular mobile access device as specified in the Second Schedule;
- (c) leased channel radio access device as specified in the Third Schedule;
- (d) spread spectrum device as specified in the Fourth Schedule;
- (e) trunked radio access device as specified in the Fifth Schedule.

Commencement

2. This notification comes into operation on 1 April 2000.

Interpretation

3. In this Notification, unless the context otherwise requires -

"certified", and its cognate expressions, means certification by the Commission under the Act;

"International Convention for the Safety of Life at Sea" means the International Convention concluded in London in 1974 concerning safety of life at sea, and includes any subsequent Convention, to which the Government is a party; and if any amendment of the Convention comes into force with respect to Malaysia, references in these Regulations shall, unless the context otherwise requires, be construed as references to the Convention as amended;

"International Telecommunication Convention" means the Constitution and Telecommunications Union Convention of the International Telecommunication Union signed in Geneva in 1992 relating to telecommunications, and includes any subsequent Convention, to which the Government is a party and it extends to any radiocommunication regulations made pursuant to the Convention; and if any amendment of the Constitution and Convention comes into force with respect to Malaysia, references in these Regulations shall, unless the context otherwise requires, be construed as references to the Constitution and the Convention as amended;

"Malaysian standard" means a standard declared to be a standard specification or a provisional standard specification under the Standards of Malaysia Act 1996 [Act 549].

Conditions

4. (1) The following conditions shall apply to all class assignments for the devices:

- (a) a person subject to a class assignment shall take all necessary steps to ensure that no major interference or harmful interference is caused;
- (b) a person subject to a class assignment shall take all necessary steps to eliminate any minor interference, major interference or harmful interference;
- (c) a person subject to a class assignment shall ensure that devices causing major interference or

harmful interference cease operation until such time as the major interference or harmful interference has been eliminated;

(d) a person subject to a class assignment shall ensure that no devices used or operated in that spectrum exceed the specified output powers, emission parameters or coverage area approved for the assignment without the prior written approval of the Commission;

(e) a person subject to a class assignment shall ensure that the devices, and their operation and arrangement comply with the requirements, specifications, standards, plans and procedures decided by the Commission;

(f) a person subject to a class assignment shall comply with the direction issued by the Commission in relation to the use of spectrum; and

(g) a person subject to a class assignment shall comply with the International Telecommunication Convention and the International Convention for the Safety of Life at Sea.

(2) The conditions in subparagraph (1) are subject to any revision, amendment or revocation by the Commission.

SCHEDULE

First Schedule

Class Assignment for Citizen Band Communications Device

1. Definition

(1) In this class assignment, unless the context otherwise requires -

“citizen band communications device” means a two way radiocommunications device;

“PM” means phase modulation.

(2) Subject to subparagraph (1) , all terminology of an absolute technical nature shall have the same meaning as in the International Telecommunication Convention.

2. Frequency determination

The following spectrum is assigned for this class assignment, amongst other uses, on a shared non-exclusive basis:

(a) 26. 9650 MHz to 27. 2750 MHz; and

(b) 477. 5000 MHz to 478. 0000 MHz.

3. Class assignment

This class assignment authorises any person to operate a citizen band communications device subject to -

(a) the conditions specified in paragraph 4; and

(b) such device operating within the frequency bands specified in Table A and Table B.

4. Conditions

(1) Standards

A citizen band communications device shall comply with the Act and subsidiary legislation made under the Act, any Malaysian standard and technical standards, mandatory standards and technical codes registered by the Commission that -

(a) apply to the citizen band communications device; and

(b) were most recently published in the manner specified by the Commission before the manufacture or importation of the citizen band communications device.

(2) Certified device

Only a certified citizen band communications device shall be used or operated in the spectrum specified in paragraph 2.

(3) Channel plan

Notwithstanding subparagraph (1) , the channel plan specified in Table A and Table B shall be complied with.

(4) Modulation parameters, bandwidth and powers

Notwithstanding subparagraph (1) , the modulation parameters, maximum modulation bandwidth and maximum powers shall be specified in Table A and Table B.

(5) Reserved channels

Notwithstanding subparagraph (1) , the channels specified in Table A and Table B shall be reserved for emergency and calling use.

(6) Encryption device

No encryption devices are to be employed on any of the channels specified in Table A and Table B.

(7) Transmit in speech

No transmission, other than voice, shall be permitted for longer than a three second period for each transmission.

(8) Maximum transmission period

No transmission shall exceed 180 seconds in duration.

(9) Call signs

No call signs are to be utilised other than in a field of operation where such call signs are required.

(10) Telephone interconnect

No connection of a citizen band communications device to a telephony service is authorised.

(11) Operation restrictions

No person shall operate a citizen band communications device -

(a) in such a way that would cause unnecessary alarm or serious affront to another person; or

(b) to harass or denigrate another person.

(12) No interference

The operation of the citizen band communications device shall not interfere with another certified communications device.

(13) Commandeer

A citizen band communications device may be commandeered to assist in a case of -

- (a) emergency;
- (b) national interest; or
- (c) danger to person or property.

(14) Label

A citizen band communications device shall bear a label "Authorised under the Class Assignment in the Communications and Multimedia Act 1998".

TABLE A
HF Frequencies

<i>Channel</i>	<i>Frequency</i> (MHz)	<i>Modulation</i> <i>type</i>	<i>Peak power</i> (Watts)	<i>Bandwidth</i> (kHz)	<i>Reserved</i> <i>channel</i>
1	26.965	AM	4	6	
2	26.975	AM	4	6	
3	26.985	AM	4	6	
4	27.005	AM	4	6	
5	27.015	AM	4	6	Not for use
6	27.025	AM	4	6	
7	27.035	AM	4	6	
8	27.055	AM	4	6	
9	27.065	AM	4	6	Emergency
10	27.075	AM	4	6	
11	27.085	AM	4	6	Calling
12	27.105	AM	4	6	
13	27.115	USB/LSB	12	3	

14	27.125	USB/LSB	12	3	
15	27.135	USB/LSB	12	3	
16	27.155	LSB	12	3	Calling
17	27.165	USB/LSB	12	3	Not for use
18	27.175	USB/LSB	12	3	
19	27.185	USB/LSB	12	3	
20	27.205	USB/LSB	12	3	
21	27.215	USB/LSB	12	3	Not for use
22	27.225	USB/LSB	12	3	
23	27.235	USB/LSB	12	3	
24	27.245	USB/LSB	12	3	
25	27.255	USB/LSB	12	3	
26	27.265	USB/LSB	12	3	
27	27.275	USB/LSB	12	3	
28	27.285	USB/LSB	12	3	
29	27.295	USB/LSB	12	3	
30	27.305	USB/LSB	12	3	
31	27.315	USB/LSB	12	3	
32	27.325	USB/LSB	12	3	
33	27.335	USB/LSB	12	3	
34	27.345	USB/LSB	12	3	
35	27.355	USB/LSB	12	3	
36	27.365	USB/LSB	12	3	
37	27.375	USB/LSB	12	3	
38	27.385	USB/LSB	12	3	
39	27.395	USB/LSB	12	3	
40	27.405	USB/LSB	12	3	

TABLE B
UHF Frequencies

<i>Channel</i>	<i>Frequency</i> (MHz)	<i>Modulation</i> <i>type</i>	<i>Peak power</i> (Watts)	<i>Bandwidth</i> (kHz)	<i>Reserved</i> <i>channel</i>
1	477.5125	FM/PM	0.5	12.5	
2	477.5250	FM/PM	0.5	12.5	
3	477.5375	FM/PM	0.5	12.5	
4	477.5500	FM/PM	0.5	12.5	
5	477.5625	FM/PM	0.5	12.5	
6	477.5750	FM/PM	0.5	12.5	
7	477.5875	FM/PM	0.5	12.5	
8	477.6000	FM/PM	0.5	12.5	
9	477.6125	FM/PM	0.5	12.5	
10	477.6250	FM/PM	0.5	12.5	
11	477.6375	FM/PM	0.5	12.5	
12	477.6500	FM/PM	0.5	12.5	
13	477.6625	FM/PM	0.5	12.5	
14	477.6750	FM/PM	0.5	12.5	
15	477.6875	FM/PM	0.5	12.5	
16	477.7000	FM/PM	0.5	12.5	
17	477.7125	FM/PM	0.5	12.5	
18	477.7250	FM/PM	0.5	12.5	
19	477.7375	FM/PM	0.5	12.5	
20	477.7500	FM/PM	0.5	12.5	
21	477.7625	FM/PM	0.5	12.5	
22	477.7750	FM/PM	0.5	12.5	
23	477.7875	FM/PM	0.5	12.5	
24	477.8000	FM/PM	0.5	12.5	
25	477.8125	FM/PM	0.5	12.5	
26	477.8250	FM/PM	0.5	12.5	
27	477.8375	FM/PM	0.5	12.5	

28	477.8500	FM/PM	0.5	12.5
29	477.8625	FM/PM	0.5	12.5
30	477.8750	FM/PM	0.5	12.5
31	477.8875	FM/PM	0.5	12.5
32	477.9000	FM/PM	0.5	12.5
33	477.9125	FM/PM	0.5	12.5
34	477.9250	FM/PM	0.5	12.5
35	477.9375	FM/PM	0.5	12.5
36	477.9500	FM/PM	0.5	12.5
37	477.9625	FM/PM	0.5	12.5
38	477.9750	FM/PM	0.5	12.5
39	477.9875	FM/PM	0.5	12.5

Second Schedule

Class Assignment for Cellular Mobile Access Device

(1) In this class assignment, “cellular mobile access device” means an access device to access a radio network in one of the cellular bands.

(2) Subject to subparagraph (1) , all terminology of an absolute technical nature shall have the same meaning as in the International Telecommunication Convention.

2. Frequency determination

A cellular mobile access device may only utilise the same spectrum that was assigned by way of a spectrum assignment or an apparatus assignment for the purpose of receiving or transmitting within cellular mobile service and such utilisation of the spectrum, amongst other uses, is on a shared non-exclusive basis.

3. Class assignment

This class assignment authorises any person to operate a cellular mobile access device to communicate only with a cellular radio base station subject to -

- (a) the conditions specified in paragraph 4; and
- (b) the operation of the cellular radio base station being authorised by -
 - (i) an apparatus assignment; or
 - (ii) a spectrum assignment.

4. Conditions

(1) Standards

A cellular mobile access device shall comply with the Act and subsidiary legislation made under the

Act, any Malaysian standards and technical standards, mandatory standards and technical codes registered by the Commission that -

(a) apply to the cellular mobile access device; and

(b) were most recently published in the manner specified by the Commission before the manufacture or importation of the cellular mobile access device.

(2) Certified device

Only a certified cellular mobile access device shall be used or operated in the spectrum specified in paragraph 2.

(3) Label

A cellular mobile access device shall bear a label "Authorised under the Class Assignment in the Communications and Multimedia Act 1998".

Third Schedule

Class Assignment for Leased Channel Radio Access Device

1. Definition

(1) In this class assignment, "leased channel radio access device" means a device in mobile service linking a single radio frequency channel to a person or group of persons.

(2) Subject to subparagraph (1), all terminology of an absolute technical nature shall have the same meaning as in the International Telecommunication Convention.

2. Frequency determination

The following spectrum is assigned for this class assignment, amongst other uses, on a shared non-exclusive basis:

(a) 138. 0000 MHz to 139. 4000 MHz/142. 6000 MHz to 144. 0000 MHz; and

(b) 443. 0125 MHz to 443. 9875 MHz/448. 0125 MHz to 448. 9875 MHz.

3. Class assignment

This class assignment authorises any person to operate a leased channel radio access device subject to -

(a) the conditions specified in paragraph 4; and

(b) such device operating within the frequency bands specified in paragraph 2.

4. Conditions

(1) Standards

A leased channel radio access device shall comply with the Act and subsidiary legislation made under the Act, any Malaysian standard and technical standards, mandatory standards and technical codes as registered by the Commission that -

(a) apply to the leased channel radio access device; and

(b) were most recently published in the manner specified by the Commission before the manufacture or importation of the leased channel radio access device.

(2) Certified device

Only a certified leased channel radio access device shall be used or operated in the spectrum specified in paragraph 2.

(3) Maximum power

The maximum power for a leased channel radio access device shall not exceed 5 watts.

(4) Label

A leased channel radio access device shall bear a label "Authorised under the Class Assignment in the Communications and Multimedia Act 1998".

Fourth Schedule

Class Assignment for Spread Spectrum Device

1. Definition

(1) In this class assignment, "spread spectrum device" means a communications device that employs direct sequence spread spectrum modulation, frequency hopping modulation or both, where such are synchronised to a particular digit sequence to transmit and receive information.

(2) Subject to subparagraph (1), all terminology of an absolute technical nature shall have the meaning as in the International Telecommunication Convention.

2. Frequency determination

The following spectrum is assigned for this class assignment, amongst other uses, on a shared non-exclusive basis:

- (a) 2400 MHz to 2483.5 MHz;
- (b) 5725 MHz to 5875 MHz; and
- (c) 24.000 GHz to 24.250 GHz.

3. Class assignment

This class assignment authorises any person to operate a spread spectrum device subject to -

- (a) the conditions specified in paragraph 4; and
- (b) such device operating within the frequency bands specified in paragraph 2.

4. Conditions

(1) Standards

A spread spectrum device shall comply with the provisions of the Act and subsidiary legislation made under the Act, any Malaysian standard and technical standards, mandatory standards and technical codes registered by the Commission that apply to the spread spectrum device.

(2) Certified device

Only certified spread spectrum device shall be used or operated in the spectrum specified in paragraph 2.

(3) Channel plan

No channel plan is provided.

(4) Synchronisation code

No synchronisation code is provided.

(5) Effective Isotropic Radiated Power (EIRP)

(a) Notwithstanding subparagraph (1) , the maximum EIRP shall not exceed the frequencies and maximum EIRP as specified in the Table ; and

(b) EIRP is to be measured in accordance with the latest relevant subsidiary legislation, any Malaysian standard and technical standards, mandatory standards, technical codes and other documents authorised or issued under the Act.

(6) No interference

The operation of the spread spectrum device shall not interfere with another certified communications device.

(7) No protection

A spread spectrum device will not be afforded protection from any interference.

(8) Label

A spread spectrum device shall bear a label "Authorised under the Class Assignment in the Communications and Multimedia Act 1998".

Table
Frequencies And Maximum EIRP

<i>Item</i>	<i>Band within which centre frequency nominally falls</i>	<i>Maximum EIRP</i>
1.	2 400 MHz to 2 463 MHz	1 watt
2.	2 463 MHz to 2 483.5 MHz	200 milliwatts
3.	5 725 MHz to 5 875 MHz	1 watt
4.	24.000 GHz to 24.250 GHz	1 watt

Fifth Schedule

Class Assignment for Trunked Radio Access Device

1. Definition

(1) In this class assignment, "trunked radio access device" means a device using a network service in a radiocommunications system in which the communications traffic may pass through any of the trunked group channels selected automatically by the system being served by a trunked radio base station.

(2) Subject to subparagraph (1) , all terminology of an absolute technical nature shall have the same meaning as in the International Telecommunication Convention.

2. Frequency determination

The following spectrum is assigned for this class assignment, amongst other uses, on a shared non-exclusive basis:

- (a) 380. 0000 MHz to 390. 0000 MHz/390. 0000 MHz to 400. 0000 MHz;
- (b) 407. 0125 MHz to 408. 0000 MHz/417. 0125 MHz to 418. 0000 MHz; and
- (c) 806. 0125 MHz to 821. 9875 MHz/851. 0125 MHz to 866. 9875 MHz.

3. Class assignment

This class assignment authorises any person to operate a trunked radio access device subject to -

- (a) the conditions specified in paragraph 4; and
- (b) such device operating within the frequency bands specified in paragraph 2.

4. Conditions

(1) Standards

A trunked radio access device shall comply with the provisions of the Act and subsidiary legislation made under the Act, any Malaysian standard and technical standards, mandatory standards and technical codes registered by the Commission that -

- (a) apply to a trunked radio access device; and
- (b) were most recently published in the manner specified by the Commission before the manufacture or importation of the trunked radio access device.

(2) Certified device

Only certified trunked radio access device shall be used or operated in the spectrum specified in paragraph 2.

(3) Maximum power

The maximum power for a trunked radio access device shall not exceed 5 watts.

(4) Label

A trunked radio access shall bear a label "Authorised under the Class Assignment in the Communications and Multimedia Act 1998".

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