

ITU – Radiocommunication Bureau

Subject: Malaysian table of frequency allocations concerning frequency bands made available for emergency situations

References: Emergency and disaster relief Radiocommunication – Resolution 647 (WRC-07)
BR Circular letter CR/281 dated 13 March 2008
BR Circular letter CR/288 dated 17 July 2008

Communication received from the Administration of:

Malaysia – (15 May 2008)

FOCAL POINT FOR ADMINISTRATION OF MALAYSIA

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2. Country/Geographical Area: MALAYSIA (MLA)
3. Name of the Administration/Organization:
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DATA ELEMENTS

Item No 4: Existing frequencies/frequency bands available for urgency situations in Malaysia:4.1: Common frequencies/frequency bands already agreed between Brunei Darussalam, Malaysia and Singapore Administrations.

Frequency Band	Assigned Frequency	Malaysia's Allocation
3 MHz Band	3.122 MHz	FIXED MOBILE except aeronautical mobile (R) BROADCASTING 5.113 5.116 MLA13
	3.341 MHz	FIXED MOBILE except aeronautical mobile BROADCASTING 5.113 5.116 MLA13
	3.815 MHz	AMATEUR FIXED MOBILE
	3.925 MHz *	AERONAUTICAL MOBILE BROADCASTING MLA13
	3.950 MHz *	FIXED BROADCASTING 5.126 MLA13

Frequency Band	Assigned Frequency	Malaysia's Allocation
6 MHz Band	6.314 MHz	MARITIME MOBILE 5.109 5.110 5.130 5.132 5.137
	6.3417 MHz	
	6.4501 MHz	
	6.771 MHz *	FIXED MOBILE except aeronautical mobile (R) 5.138 5.138A MLA3
11 MHz Band	11.202 MHz	AERONAUTICAL MOBILE (OR) MLA15
	11.217 MHz	
	11.230 MHz	
14 MHz Band	14.270 MHz	AMATEUR 5.152
	14.275 MHz	
	14.293 MHz	
	14.303 MHz *	
	14.325 MHz *	

* Backup frequencies

4.2: Malaysia's allocation currently exists in PPDR bands identified by ITU for Region 3 (Res. 646 (WRC-03))

Allocation to services		Malaysian National Allocation
Identified band by ITU (Res. 646 (WRC-03))	Frequency Band Segmentation (Malaysia Spectrum Plan)	
380 - 400 MHz	335.4 - 387 MHz	FIXED MLA14 MOBILE MLA14 5.254 MLA32 MLA3
	387 - 390 MHz	FIXED MLA14 MOBILE MLA14 MLA34 Mobile- Satellite (space-to-Earth) 5.208A 5.254 5.255 MLA3
	390 - 399.9 MHz	FIXED MLA14 MOBILE MLA14 MLA34 5.254 MLA3
	399.9 - 400.05 MHz	MOBILE-SATELLITE (Earth-to-space) 5.209 5.224A RADIONAVIGATIONSATELLITE 5.222 5.224B 5.260 5.220 MLA3
406.1 - 430 MHz	406.1 - 410 MHz	FIXED MOBILE except aeronautical mobile RADIO ASTRONOMY 5.149 MLA19
	410 - 420 MHz	FIXED MOBILE except aeronautical mobile MLA27 SPACE RESEARCH (space-to-space) 5.268 MLA37 MLA19 MLA3

Allocation to services		Malaysian National Allocation
Identified band by ITU (Res. 646 (WRC-03))	Frequency Band Segmentation (Malaysia Spectrum Plan)	
	420 – 430 MHz	FIXED MOBILE except aeronautical mobile Radiolocation MLA37 MLA19 MLA3
440 – 470 MHz	440 – 450 MHz	FIXED MOBILE except aeronautical mobile Radioiocation 5.286 MLA27 MLA3
	450 – 455 MHz	FIXED MOBILE 5.209 5.286 5.286A MLA39 MLA40 MLA19 MLA3
	455 – 456 MHz	FIXED MOBILE 5.209 5.286A MLA39 MLA40 MLA19 MLA3
	456 – 459 MHz	FIXED MOBILE 5.287 MLA39 MLA41
	459 – 460 MHz	FIXED MOBILE 5.209 5.286A MLA39 MLA19 MLA3
	460 – 470 MHz	FIXED MOBILE Meteorological satellite (space-to-Earth) 5.287 5.289 MLA39 MLA40 MLA41 MLA19 MLA3
746 – 806 MHz	614 – 790 MHz	FIXED MOBILE 5.317A BROADCASTING 5.149 5.305 5.306 5.307 5.311 5.320

Allocation to services		Malaysian National Allocation
Identified band by ITU (Res. 646 (WRC-03))	Frequency Band Segmentation (Malaysia Spectrum Plan)	
806 – 824 MHz	806 – 862 MHz	FIXED MOBILE
851 – 869 MHz	862 – 890 MHz	BROADCASTING 5.291 5.298 MLA 3 MLA 19 MLA 27 MLA 42 MLA 44
4 940 – 4 990 MHz	4 800 – 4 990 MHz	FIXED MLA59 MOBILE 5.442 Radio astronomy 5.149 5.339
5 850 – 5 925 MHz	5 850 – 5 925 MHz	FIXED FIXED-SATELLITE (Earth-to-space) MOBILE Radiolocation 5.150 MLA3

4.3: Malaysia's Footnotes:

MLA3 Notification of Issuance of Class Assignments.

MLA13 Part of this band will be used for future Digital Broadcasting.

MLA15 The following bands are exclusively for the use of the Government of Malaysia and in relation to Appendix 26 of the ITU Radio Regulations:
 3025KHz to 3155KHz;
 4700KHz to 450KHz;
 5680KHz to 5730KHz;
 6685KHz to 6765KHz;
 8965KHz to 9040KHz;
 11175KHz to 11275KHz;

13200KHz to 13260KHz;
15010KHz to 15100KHz;
17970KHz to 18030KHz.

- MLA19** Technical Specifications for RPS 001.
- MLA27** Technical Specifications for RPS 003.
- MLA32** Frequency band between 225 MHz and 235 MHz is assigned to the Government of Malaysia; and stations in any service in this band shall not cause harmful interference to stations of the broadcasting service.
- MLA37** Standard Radio System Plan: Requirements for Digital Trunk Radio Service (DTRS) Operating in the Frequency Band 410 MHz to 430 MHz.
- MLA39** Standard Radio System Plan: Requirements for Mobile Radio Services Operating in the Frequency Band from 452 MHz to 455.475 MHz and 462 MHz to 466.475 MHz.
- MLA40** Standard Radio System Plan: Requirements for Fixed Service Operating in the Frequency Band 450 MHz to 452 MHz and 460 MHz to 462 MHz.
- MLA41** Portion of these bands 456.00MHz to 459.00MHz and 460.00MHz to 470.00MHz are used for walkie-talkie (point-to-point).
- MLA42** Standard Radio System Plan: Requirements for Cellular Mobile Radio Service Operating in the Frequency Band 880 MHz to 915 MHz and 925 MHz to 960 MHz.
- MLA 44** Frequency Spectrum 806 MHz to 960 MHz, 1710 MHz to 1885 MHz, 2504 MHz to 2688 MHz planned for IMT 2000 extension band.

Item No 5: Additional information for inclusion in the terrestrial frequency database:

Malaysian Communications and Multimedia Commission (SKMM) publishes the Standard Radio System Plan (SRSP) with the intention to guide the public on the allocation of spectrum based on the Malaysian Spectrum Plan.

The SRSP provides information on the minimum technical requirements for the efficient use of allocated frequency bands. The main use of

SRSP is in the design and specification of radio systems and equipment and in the evaluation of technical applications for new radio facilities or modification to radio systems.

For your further reference, listed below are the relevant SRSPs with regards to terrestrial services in Malaysia which can be accessed through our website, www.skmm.gov.my under "Spectrum Management":

1. SRSP 512 – Frequency range 5925 MHz – 6425 MHz
 2. SRSP 513 – Frequency range 6430 MHz – 7110 MHz
 3. SRSP 514 – Frequency range 7111 MHz – 7425 MHz
 4. SRSP 515 – Frequency range 7425 MHz – 7725 MHz
 5. SRSP 516 – Frequency range 7725 MHz – 8275 MHz
 6. SRSP 517 – Frequency range 8275 MHz – 8500 MHz
 7. SRSP 518 – Frequency range 10.70 GHz – 11.70 GHz
 8. SRSP 525 – Frequency range 12.75 GHz – 13.25 GHz
 9. SRSP 526 – Frequency range 14.40 GHz – 15.35 GHz
 10. SRSP 527 – Frequency range 17.70 GHz – 19.70 GHz
 11. SRSP 528 – Frequency range 21.20 GHz – 23.60 GHz
 12. SRSP 529 – Frequency range 54.25 GHz – 58.20 GHz
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