



**SURUHANJAYA KOMUNIKASI DAN MULTIMEDIA MALAYSIA
MALAYSIAN COMMUNICATIONS AND MULTIMEDIA COMMISSION**

DISCUSSION PAPER

ON

**PROPOSAL TO REVIEW THE PRIVILEGES OF AMATEUR RADIO
SERVICES IN MALAYSIA**

14 November 2013

FOREWORD

In this discussion paper, the Malaysian Communications and Multimedia Commission (SKMM) seeks to invite submission from interested parties on the issues raised in here or any other matters of interest relevant to the subject. Written submission in **electronic form (Microsoft Word Format)** should be provided to the SKMM by **30 November 2013**. Submissions should be addressed to:

The Malaysian Communications and Multimedia Commission
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63000 Cyberjaya
Selangor Darul Ehsan
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Standards Development Department

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Fax: +603 8688 1005
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In the interest of fostering an informed and robust consultative process, SKMM may decide to publish the comments received. Any sensitive information should be provided under a separate cover clearly marked '**Confidential**'.

The SKMM extends our appreciation to interested parties for their participation and for providing views in this consultative process.

INTRODUCTION

In Malaysia, Amateur Radio service is defined as a radiocommunications service (covering both terrestrial and satellite) in which a station is used for the purpose of self-training, intercommunication and technical investigations carried out by amateurs, that is, by duly authorized persons who are interested in radio technique solely with a personal aim and without any pecuniary interest.

Amateur radio can be considered as a hobby taken up by individuals and societies in Malaysia and throughout the world.

With regard to spectrum use, all frequencies are shared or common to all amateur radio operators and no frequency is assigned for the exclusive use of any amateur station. Amateur radio operators cooperate in selecting transmitting channels to make the most effective use of the frequencies. They design, construct, modify, and repair their stations.

BACKGROUND

The Third Schedule of the Communications and Multimedia (Technical Standards) Regulations 2000, Amateur Radio Operator's Certificate, states that there are two Classes of amateur radio operators namely; Class A and Class B.

Amateur radio operators (both Class A and Class B) need to pass the Radio Amateur Examination (RAE) to enable them to access to any amateur radio facilities. In order to be eligible for Class A, the amateur radio operators also need to pass a Morse Code test apart from the RAE.

Upon passing the RAE, amateur radio operators can apply for an amateur radio Apparatus Assignment (AA) and be issued a callsign. Callsign is an alphanumerical identification which is used to address the amateur radio operators whenever they are "on-air".

OBJECTIVES

1. The objective of this paper is to collect inputs from the amateur radio community with regards to the suggestion to review the privileges of Amateur Radio Services in Malaysia. Hence, your views/ comments are crucial in considering the issues/ suggestions as to ensure that sufficient opportunity for consultation with amateur radio community has occurred. Your views/ comments shall cover all relevant aspects such as policy, best practices, and unison agreement among amateur radio communities.

SUBMISSION OF VIEWS / COMMENTS

2. The contribution is open to all amateur radio operators and public, thus any interested parties are invited to participate to provide views and comments.
3. Please insert your views, comments, justifications and recommendations in the respective columns and other details in the **"Feedback Form"** template enclosed. We have listed few issues and proposals that we have received and identified earlier. You may also add your new proposal/ recommendations in the template given.
4. All inputs will be compiled and presented in a forum which will be organized by SKMM consequently. The participants of the forum will be among those who have submitted inputs to this discussion paper, representative from amateur radio clubs and SKMM officers from all relevant departments.
5. The forum aims to provide sufficient opportunity to all interested party to rationalize their inputs/ comments in an intensive discussion in deliberating every view/ comment which will be concluded after the forum has reached a consensus.
6. SKMM will then decide its final standpoint based on the final outcome of the forum. We hope that the standpoint will be beneficial to all amateur radio operators and the country.

FEEDBACK FORM

Name :	E-mail :
Callsign (if any) :	Tel :
Address :	Fax :
.....

PROPOSAL/ISSUE FOR CONSIDERATION

Please provide your views. Kindly include justification and/or recommendation of your views.

Item No.	Proposals/Issues	View/Justification/Recommendation
1.	To update the amateur radio AA appendix (<i>license appendix</i>) of class A by adding the following frequencies of HF band. a) 7.0 MHz – 7.2 MHz; b) 135.7 kHz – 137.8 kHz; and c) 472.0 kHz – 479.0 kHz	
2.	To update the Classes of Emission in the license appendix to include digital carrier emissions (see Attachment 1)	

Item No.	Proposals/Issues	View/Justification/Recommendation
3.	<p>Allow the Class B amateur station Apparatus Assignment (AA) holder to use the HF band of 7 MHz which currently is a privilege for a Class A amateur station AA holder only.</p> <p>In order for Class B amateur station AA holders to use the band, they are subjected to the following conditions:</p> <ul style="list-style-type: none"> a) Proven that they have operated their amateur radio station for at least two years, via their log books; b) Proven that they have participated in activities that use HF band together with other Class A amateur station AA holders; and c) MARTS or other appointed individual is satisfied with their ability to operate their amateur station in the 7 MHz band. 	
4.	To update the license appendix of " <i>Guideline for Radio Amateur in Malaysia</i> " document by adding a new category called "Senior Class B" (see Attachment 1)	
5.	To provide a suitable "Callsign" for the above category (" <i>Senior Class B</i> ") of amateur station AA if their request to allow Class B AA holder to use the HF band of 7 MHz is approved	
6.	To drop Morse code (CW) test from the requirement to operate all HF Bands	

Item No.	Proposals/Issues	View/Justification/Recommendation
7.	To allow: a) operator Class A to increase power up to 1000 Watts in the HF bands b) To allow operator Class B to transmit up to 100 Watts (PEP) on HF Band, 50 Watt (PEP) on VHF, UHF and higher bands	
8.	To allow operator Class B to use all modes of emission and all HF bands allocated to amateur radio services	
9.	To relax written RAE for Class B and to develop a new syllabus with more content on electrical theory, EMI and RFI prevention and mitigation techniques and emergency communications practices and procedures	
10.	To allow the use of IARU Region 3 Band Plan in cases where there are no SRSPs dealing with such band planning. It also proposed that the band plan is separated from the Guideline so that updating the band plan does not affect the guideline.	
	<i>Please insert/add any other proposal/issue (if any) with appropriate justification.</i>	

Attachment 1

Proposed Updated Amateur Frequency Band, Power and Classes of Emission

CLASS “A” PRIVILEGES

Band	Frequency (MHz)	Max Power Level (Watts PEP or as otherwise Indicated)	Classes of Emission
HF	*0.1357 – 0.1378	1W (EIRP)	A1A, A2A
	*0.4720 – 0.4790	5W (EIRP)	
	1.800 – 2.000	400	A1A, A3C, *D3C, *F1B, *F1D, *F3C, *F3F, *G1B, *G1D, *H3E, J3E, *J3F, R3E
	3.500 – 3.900		
	*7.000 – 7.200		A1A, A2A, *A2B, A3E, *A2D, A3C, *D3C, *F1B, *F1D, *F2B, *F2D, *F1E, *F3C, *F3F, *F8W, *G1B, *G1D, *G1E, *H3E, J3E, *J3F, R3E
	10.100 – 10.150		A1A, *F1B, *F1D, *G1B, *G1D
	14.000 – 14.350		A3C, A3E, *D3C, *F1B, *F1D, *F3C, *F3F, *G1B, *G1D, *H3E, J3E, *J3F, R3E
	18.068 – 18.168		A1A, A2A, *A2B, *A2D, A3C, A3E, *D3C, F1A, *F1B, *F1D, *F1E, F2A, *F2B, *F2D, F3E, *F3C, *F3F, *F8W, *G1B, *G1D, *G1E, *H3E, J3E, *J3F, R3E
	21.000 – 21.4500		
	24.890 – 24.990		
28.000 – 29.700			
VHF	50.000 – 54.000	50	A1A, A2A, *A2B, *A2D, A3C, A3E, *D3C, F1A, *F1B, *F1D, *F1E, F2A, *F2B, *F2D, F3E, *F3C, *F3F, *F8W, *G1B, *G1D, *G1E, *H3E, J3E, *J3F, R3E
	144.000 – 148.800		
	145.800 – 146.000		F2A, *F3E, J3E, R3E
UHF	430.00 – 440.00	50	A1A, A2A, *A2B, *A2D, A3C, A3E, *D3C, F1A, *F1B, *F1D, *F1E, F2A, *F2B, *F2D, F3E, *F3C, *F3F, *F8W, *G1B, *G1D, *G1E, *H3E, J3E, *J3F, R3E
	1,240.0 – 1,300.0	50	A1A, A2A, A2B, A2D, A3C, A3E, A3F, C3F, D7D, F7D, *G7D, *D3C, *F1B, *F1D, *F1E, F2A, *F2B, *F2D, F3E, *F3C, *F3F, *F8W, *G1B, *G1D, *G1E, *H3E, J3E, *J3F, R3E
	2,300.0 – 2,450.0		
	3,300.0 – 3,500.0		
	5,650.0 – 5,850.0		
	10,000 – 10,500		
	24,000 – 24,250		
	47,000 – 47,200		
	76,000 – 81,500	25	
241,000 – 250,000			

Note: * = Added new Classes of Emission (Digital Mode)
 * = New inserted / updated frequency band

CLASS "B" PRIVILEGES

Band	Frequency (MHz)	Max Power Level (Watts PEP or as otherwise Indicated)	Classes of Emission
HF	28.0 – 29.7	50	* A3C , A3E, * D3C , * H3E , J3E, * J3F , * F1B (except Morse code), * F1D , * F1E , * F2D , * F3C , F3E, * F3F , * F8W , * G1B (except Morse code), * G1D , * G1E , R3E
VHF	50.0 – 54.0		
	144.0 – 148.0		
UHF	430.0 – 440.0		

Note: * = Added new Classes of Emission (Digital Mode)

Proposed new Frequency Band, Power and Classes of Emission for new "**Senior Class B**" Privileges

Band	Frequency (MHz)	Max Power Level (Watts PEP)	Class of Emission
HF	* 7.0 – 7.2	100	A3C, A3E, D3C, H3E, J3E, J3F, F1B (except Morse code), F1D, F1E, F2D, F3C, F3E, F3F, F8W, G1B (except Morse code), G1D, G1E, R3E
	28.0 – 29.7	50	
VHF	50.0 – 54.0	50	
	144.0 – 148.0		
UHF	430.0 – 440.0	50	

Note: * = New frequency band