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References:

a. MPA Singapore website:

http://www.mpa.gov.sg/sites/port_and_shipping/port/port_clearance_formalities/vessels_arriving_to_singapore/vhf_communication_in_port_and_singapore.page

b. ICOM ICM 125 Marine VHF Transceiver Operator Manual

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Handouts for talk at Singapore Amateur Radio Transmitting Society on 29 Mar 2012 by Cpt Steve Foong

VHF Communication

Vessels need to use the appropriate VHF channels when reporting to the relevant shore stations. The communication channels listed here are for:

- MPA and other agencies;
- Pilotage, tug and waterboat services
- Oil terminals

All vessels should use the appropriate VHF channels when reporting to the relevant shore stations.

1. Communication channels for MPA and other agencies

1.1 VHF Channels for navigational reporting

Stations	Channel	Frequency (MHZ)	Usage
VTIS East	10	156.500	1. Reporting confirmation of arrival by vessels when abeam of: <ul style="list-style-type: none">• Horsburgh,• Karang Galang Light,• and Eastern Buoy 2. Reporting and listening by vessels in Sector 9, STRAITREP operational area(area between Long. 104°02.1'E and 104°23.0'E). 3. Providing traffic information in Singapore Strait.

VTIS Central	14	156.700	<ol style="list-style-type: none"> 1. Reporting and listening by vessels in Sector 8, STRAITREP operational area (area between Long. 103°44.5'E and 104°02.1'E). 2. Providing traffic information in Singapore Strait.
VTIS West	73	156.675	<ol style="list-style-type: none"> 1. Reporting confirmation of arrival by vessels when abeam: <ul style="list-style-type: none"> • Pulau Iyu Kechil • Pulau Jangkat Beacon 2. Reporting and listening by vessels in Sector 7, STRAITREP operational area (area between the line joining Tg Piai and Pulau Karimun Kecil and Long. 103°44.5'E). 3. Providing traffic information in Singapore Strait.
East Control	12	156.600	<ol style="list-style-type: none"> 1. Reporting by vessels moving in the port area east of Long 103°51.2'E. All vessels within this area should maintain a listening watch on this channel. 2. Requesting clearance by vessels before moving into the East Sector. 3. Reporting arrival and anchored positions by vessels in East Sector. 4. Providing port traffic information.
Keppel Control	18	156.900 161.500	<ol style="list-style-type: none"> 1. Requesting for clearance by vessels to enter, move within, or leave Keppel Sector.
CruiseBay Control	05	156.250 160.850	<ol style="list-style-type: none"> 1. Requesting for clearance by vessels to enter, move within, or leave Cruise Bay Sector.
Cyrene Control	25	157.250 161.850	<ol style="list-style-type: none"> 1. Requesting for clearance by vessels before moving into the East and West Jurong Sector. 2. Reporting arrival and anchored position by vessels in East and West Jurong Strait Sector.
Sinki Control	68	156.425	<ol style="list-style-type: none"> 1. Reporting by vessels when underway in the Sinki Sector. All vessels within this area should maintain a listening watch on this channel.
Jurong Control	22	157.100 161.700	<ol style="list-style-type: none"> 1. Requesting for clearance by vessels before moving within West Jurong and West Johor Sectors. 2. Reporting arrival and anchored position by vessels in West Jurong and West Johor Strait Sectors.
West Control	68	156.425	<ol style="list-style-type: none"> 1. Reporting by vessels when underway in the port area west of Long 103°51.2'E. All vessels within this area should maintain a listening watch on this channel.

			2. Providing port traffic information.
Sembawang Control	21	157.050 161.650	1. Requesting for clearance by vessels before moving within the East Johor Strait Sector. 2. Reporting arrival and anchored position by vessels in the East Johor Strait Sector.

1.2 VHF channels for safety and emergencies

Stations	Channel	Frequency (MHZ)	Usage
Singapore Port Operations Control	16 09	156.800 156.450	1. Communicating distress, urgency and safety matters. 2. Broadcasting maritime safety information such as navigational and meteorological warnings and other urgent safety related messages.
Port Safety Marine	07	156.350 160.950	1. Co-ordinating marine emergencies by MPA.
Police Coast Guard	07	156.350 160.950	1. Requesting for assistance from Police Coast Guard.
Hydrographic Department	13	156.650	1. Navigation aids and Hydrographic survey activities.
Maritime Security	26	157.300 161.900	1. Security matters.

1.3 VHF channels for immigration/port health clearance

Stations	Channel	Frequency (MHZ)	Usage
Port Health/ Immigration	74	156.700	1. Requesting for Port Health or Immigration clearance.

2. Communication channels for pilotage, towage and waterboats services

2.1 VHF channels for pilotage, tug and waterboats services

Stations	Channel	Frequency (MHZ)	Usage
Singapore Pilots	20	157.000 161.600	1. Requesting for pilotage service and pilotage information.
Tug Deployment/ Waterboats	61	156.075 160.675	1. Requesting for tug service, and supply of water to vessels at anchor.

2.2 VHF channels for oil terminals

Stations	Channel	Frequency (MHZ)	Usage
Bukom Operations	19	156.950 161.550	1. Requesting for information for vessels berthing/unberthing at Pulau Bukom and Shell SBM.
Pulau Ayer Chawan Operations	05	156.250 160.850	1. Requesting for information for vessels berthing/unberthing at Pulau Ayer Chawan and VLCC berths.
Singapore Refinery Centre	05	156.250 160.850	1. Requesting for information for vessels berthing/unberthing at Pulau Merlimau.

Inter national channel	USA channel	Frequency (MHz)		Transmit output power
		Transmit	Receive	
01	-	156.050	160.650	25 W & 1 W
01A	01A	156.050	156.050	25 W & 1 W
02	-	156.100	160.700	25 W & 1 W
02A	02A	156.100	156.100	25 W & 1 W
03	-	156.150	160.750	25 W & 1 W
03A	03A	156.150	156.150	25 W & 1 W
04	-	156.200	160.800	25 W & 1 W
04A	04A	156.200	156.200	25 W & 1 W
05	-	156.250	160.850	25 W & 1 W
05A	05A	156.250	156.250	25 W & 1 W
06	06	156.300	156.300	25 W & 1 W
07	-	156.350	160.900	25 W & 1 W
07A	07A	156.350	156.350	25 W & 1 W
08	08	156.400	156.400	25 W & 1 W
09	09	156.450	156.450	25 W & 1 W
10	10	156.500	156.500	25 W & 1 W
11	11	156.550	156.550	25 W & 1 W
12	12	156.600	156.600	25 W & 1 W
13	13	156.650	156.650	25 W & 1 W ^{#1}
14	14	156.700	156.700	25 W & 1 W
15	15	156.750	156.750	1 W only ^{#2}
16	16	156.800	156.800	25 W & 1 W
17	17	156.850	156.850	1 W only
18	-	156.900	161.500	25 W & 1 W
18A	18A	156.900	156.900	25 W & 1 W

Inter national channel	USA channel	Frequency (MHz)		Transmit output power
		Transmit	Receive	
19	-	156.950	161.550	25 W & 1 W
19A	19A	156.950	156.950	25 W & 1 W
20	20	157.000	161.600	25 W & 1 W
20A	20A	157.000	157.000	25 W & 1 W
21	-	157.050	161.650	25 W & 1 W
21A	21A	157.050	157.050	25 W & 1 W
22	-	157.100	161.700	25 W & 1 W
22A	22A	157.100	157.100	25 W & 1 W
23	-	157.150	161.750	25 W & 1 W
23A	23A	157.150	157.150	25 W & 1 W
24	24	157.200	161.800	25 W & 1 W
25	25	157.250	161.850	25 W & 1 W
26	26	157.300	161.900	25 W & 1 W
27	27	157.350	161.950	25 W & 1 W
28	28	157.400	162.000	25 W & 1 W
60	-	156.025	160.625	25 W & 1 W
60A	60A	156.025	156.025	25 W & 1 W
61	-	156.075	160.675	25 W & 1 W
61A	61A	156.075	156.075	25 W & 1 W
62	-	156.125	160.725	25 W & 1 W
62A	62A	156.125	156.125	25 W & 1 W
63	-	156.175	160.775	25 W & 1 W
63A	63A	156.175	156.175	25 W & 1 W
64	-	156.225	160.825	25 W & 1 W
64A	64A	156.225	156.225	25 W & 1 W

^{#1} Mcmentary high power on a U.S.A. channel ^{#2} Receive only on a U.S.A. channel

Inter national channel	USA channel	Frequency (MHz)		Transmit output power
		Transmit	Receive	
65	-	156.275	160.875	25 W & 1 W
65A	65A	156.275	156.275	25 W & 1 W
66	-	158.325	160.925	25 W & 1 W
66A	66A	158.325	156.325	25 W & 1 W
67	67	156.375	156.375	25 W & 1 W *1
68	68	156.425	156.425	25 W & 1 W
69	69	156.475	156.475	25 W & 1 W
70	70	158.525	156.525	1 W only
71	71	158.575	156.575	25 W & 1 W
72	72	156.625	156.625	25 W & 1 W
73	73	156.675	156.675	25 W & 1 W
74	74	158.725	156.725	25 W & 1 W
75	-	-----	-----	Guard
76	-	-----	-----	Guard
77	77	156.875	156.875	25 W & 1 W
78	-	156.925	161.535	25 W & 1 W
78A	78A	156.925	156.925	25 W & 1 W
79	-	156.975	161.575	25 W & 1 W
79A	79A	156.975	156.975	25 W & 1 W
80	-	157.025	161.635	25 W & 1 W
80A	80A	157.025	157.025	25 W & 1 W
81	81	157.075	161.675	25 W & 1 W
81A	81A	157.075	157.075	25 W & 1 W
82	-	157.125	161.735	25 W & 1 W
82A	82A	157.125	157.125	25 W & 1 W

Inter national channel	USA channel	Frequency (MHz)		Transmit output power
		Transmit	Receive	
83	-	157.175	161.775	25 W & 1 W
83A	83A	157.175	157.175	25 W & 1 W
84	84	157.225	161.825	25 W & 1 W
84A	-	157.225	157.225	25 W & 1 W
85	85	157.275	161.875	25 W & 1 W
85A	-	157.275	157.275	25 W & 1 W
86	86	157.325	161.925	25 W & 1 W
86A	86A	157.325	157.325	25 W & 1 W
87	87	157.375	161.975	25 W & 1 W
87A	-	157.375	157.375	25 W & 1 W
88	88	157.425	162.025	25 W & 1 W
88A	88A	157.425	157.425	25 W & 1 W

Weather channel	Receive frequency (MHz)	Comment
1	162.550	FIX only
2	162.600	FIX only
3	162.675	FIX only
4	162.425	FIX only
5	162.450	FIX only
6	162.500	FIX only
7	162.525	FIX only
8	161.850	FIX only
9	161.775	FIX only
10	163.275	FIX only