

CE100

Personal Programming System Reference Manual

This Personal Programming System is used to program the HX850S Floating Marine Transceiver with GPS.

With this Programming System, you can quickly and easily program the Standard Horizon HX850S operating channels from your personal computer.

INSTALLING OR REMOVAL OF PROGRAM

Minimum System Requirements

- $\square IBM^{\textcircled{R}}-Compatible PC with Pentium processor.$
- □ Windows[®] XP, Windows[®] 2000, or Windows[®] Vista Operating System.
- □ Up to 20 Megabytes of free hard disk drive space
- □ Mouse or other pointing device
- □ 256-color display adapter (24-bit color recommended) and monitor with 640 x 480 resolution or higher.

INSTALLING THE "PROGRAMMING SOFTWARE"

- 1. Install the CE100 Programming Software onto your computer's hard disk drive.
- 2. If your operating system is Windows XP, click the "**Start**" button and select "**Run** ..." then browse to where the files were saved on the hard disk drive in step 1 and select either "CE100.msi" or "setup.exe" and press the [**ENTER**] key.
- 3. Follow the directions on your computer screen.

TO REMOVE THE "PROGRAMMING SOFTWARE" FROM YOUR COMPUTER

- 1. Click the "Start" button and select "Settings," then "Control Panel."
- 2. Select "Add/Remove Programs" from the "Control Panel" page.
- 3. Select "**CE100**" then click "**Add/Remove**" box.

MAIN SCREEN

The CE100 Personal Programming System consists of two major sections: the "**System Tree View**" (left side) and its lower folder (right side).

The "SYSTEM TREE VIEW" consists of three categories: the "General", "Programmable Channel", "DSC", and "EXP Channel".



Double click the left mouse button on the "**General**" selection in the left window of the screen to display its lower folder ("**Usable CH Group Setup**", "**Common Setup**", and "**DSC Setup**"), then click the left mouse button on the desired folder to display its contents.

USABLE CH (CHANNEL) GROUP SETUP Group1/ Group2/ Group3/ EXP CH Group:

These parameters determine which of the possible Channel Groups shall be "Used (♥)" or "Not Used (■)" for the radio.

When the "**EXP CH Group**" parameter is set to "Used (,")," the "**EXP Channel**" category is produced under the "**DSC**" category on the "**System Tree View**."

EACE100 PC Program for HX850S File Transfer Destination Opti	ons Help	
General Usable CH Group Setup Common Setup OSC Setup Programable Channel DSC EXP Channel(EXP)	Usable Channel Groups Group1 Priority CH Status Name Group2 Priority CH Status Name NTL Group3 Priority CH Status Name CAN	Expansion Channel Groups F EXP CH Group Status Name Exp

Priority CH (Channel):

This parameter selects the Priority Channel

to be used during Priority Scan and Dual Watch operation.

Status Name:

This parameter enters the four charactor Alpha/Numeric "Tag" used to identify the Channel Group when the Status Icon is disappered.

To enter the Alpha/Numeric Tag, click the left mouse button on this parameter to enable programming, then type the characters of the desired Alpha/Numeric Tag. Now, press the **[ENTER]** key to save the programmed "Tag."

The charactors to be used include " $0 \sim 9$ ", "A ~ Z", "a ~ z", and some charactors.

COMMON SETUP

Starting TX Mode (TX Po Display):

This parameter sets the TX output power used when the radio is first turned on. Available selections are:

Lo Po Only: Sets the TX output power to "LO," when the radio is turned on.

General Starting TX Mode Usable CH Group Setup DSC Setup Programable Channel Scanning Function SCAN On EXP Channel(EXP) PTT SCAN Clear Usable Channel On Usable Channel UTC Offset Time UTC Weather Alert Wx and Scan	Eile Transfer Destination Option	ons Help
	General Usable CH Group Setup Common Setup – DSC Setup Programable Channel DSC EXP Channel(EXP)	Starting TX Mode TX Po Display Last TX Po Scanning Function SCAN On SCAN On PTT SCAN Clear On Dual Watch On Time Setup Time Display UTC Offset Time 0 Weather CH Function Weather Alert Wx and Scan

Lo Po on Changing CH: Sets the TX out-

put power to

"LO," when the radio is turned on or when you switch to a different channel.

Last TX Po:

Sets the TX output power to the same setting used when the radio was turned off.

Scanning Function (Scan):

This parameter toggles the Scan feature "**On**" or "**Off**."

Scanning Function (Resume Time):

This parameter selects the Scan Resume Time. Available values are "**1Sec**", "**2sec**", "**3sec**", "**4sec**", "**5sec**", and "**Off**."

When this parameter is set to "**1Sec**", "**2sec**", "**3sec**", "**4sec**", or "**5sec**" The scanner will hold for the selected period (seconds), then resume whether or not the other station is still transmitting. When this parameter is set to "**Off**," the scanner will stop when a signal is received, and will not restart.

Scanning Function (PTT Scan Clear):

This parameter defines whether the Scan function shall be aborted ("**On**") or not aborted ("**Off**") when the PTT switch is pressed while Scanning is engaged.

Scanning Function (Dual Watch):

This parameter toggles the Dual Watch feature "On" or "Off."

Time Setup (Time Display):

This parameter sets the display to be shown in local time ("Local") or UTC time ("UTC").

Time Setup (Offset Time):

This parameter sets the time offset of your local time from the UTC time.

Weather CH Function (Weather Alert):

This parameter sets the Weather Alert features. Available selections are:

- **Off**: The Weather Alert feature is not enabled.
- **On Wx**: The Weather Alert feature is enabled while receiving on a Weather (Wx) Channel.
- **On Scan**: The Weather Alert feature is enabled while the Scan feature is activated.
- **Wx and Scan**: The Weather Alert feature is enabled during Weather (Wx) Channel reception, or while Scanning is engaged.

DSC SETUP ("BASIC SETUP" TAB)

Available DSC CH Group

(Group1/Group2/Group3/EXP):

These parameters define whether the DSC function shall be Enabled "**On**" or Disabled "**Off**" for each Channel Group.

User MMSI:

This parameter programs the User MMSI which is used on Marine Transceiver capable of using Digital Selective Calling (DSC).



To program the User MMSI, click the left mouse button on this parameter to enable programming, then enter the nine digits MMSI number. Now, press the [ENTER] key to save the programmed MMSI number.

Important Notice: Entering the wrong number may gave to trouble to another DSC user. Enter the correct number absolutely.

Clear:

This button clears the MMSI number.

Click the left mouse button on the [CLEAR] button to clear the current MMSI number.

Distress Cancel Call:

This parameter define whether the Distress Cancel Call feature shall be Enabled "**On**" or Disabled "**Off**."

When this parameter is set to "**On**," you may send a message to other vessels to cancel the Distress Call that was made in error.

POS Request:

This parameter define whether the Position Request feature shall be Enabled "**On**" or Disabled "**Off**."

When this parameter is set to "**On**," allows you to know the position of another vessel.

You may select the transmit output power between "**Hi**" and "**Low**" when sending the POS Request by selection box at the right hand of this parameter.

POS Reporting:

This parameter defines whether the Position Send feature shall be Enabled "**On**" or Disabled "**Off**."

When this parameter is set to "**On**," allows you to send your position to another vessel. You may select the transmit output power between "**Hi**" and "**Low**" when sending the POS Send by the selection box at the right hand of this parameter.

DSC Beep Output:

These parameters define whether the Special Acoustic Beep output shall be Enabled "**On**" or Disabled "**Off**" for each DSC signal is received.

DSC SETUP ("Advanced Setup" Tab)

These parameters define whether the each DSC service shall be Enabled "**On**" or Disabled "**Off**" for each categories.

You may select the transmit output power of the Enabled "**On**" category between "**Hi**" and "**Low**" by the selection box at the right hand of each category.

CE100 PC Program for HX850S		_ _ _ ×
<u>File</u> <u>Transfer</u> <u>D</u> estination <u>Optic</u>	ons <u>H</u> elp	
D 🚅 🖬 🍯 📲 😫		
🖃 General	Basic Setup Advanced Setup	Display Setup
- Usable CH Group Setup		
Common Setup	ALL Ships Call	Group Call
DSL Setup Programable Chappel	Distress Off 💌 – Hi 💌	Distress Off 💌 – Hi 💌
	Urgency On 🔻 – Hi 🔻	Urgency Off 🔻 – Hi 👻
	Safety On V - Hi V	Safety Off V - Hi V
	Routine or	Routing a lur
	Individual Call	
	Distross Off T	Log Clear
	Urgency Off 💌 – Hi 💌	Distress Log Clear
	Safety Off - Hi	DSC Log Clear
	Routine On 🔻 – Hi 🔻	
[Up]/[Down]:Change of a Selection	on item.	HX850S

DSC SETUP ("DISPLAY SETUP" TAB)

These parameters define whether the ACK Menu list shall be Listed "(**On**)" or not "(**Off**)" for each ACK menu.



"PROGRAMMABLE CHANNEL" SELECTION

Double click the left mouse button on the "**Programmable Channel**" selection in the left window of the screen to display its lower folder ("**Group1**", "**Group2**", "**Group3**", and "**Weather**"), then click the left mouse button on the desired folder to display the "**Program Channel List Table**." The "**Program Channel List Table**" can not be edited.

"GROUP1", "GROUP2", "GROUP3", (AND "EXP CHANNEL") FOLDER

CH: Channel Number

This parameter indicates the operating channel number.

RX [**MHz**]: *Receive frequency*

This parameter indicates the Receive frequency of the channel.

TX [**MHz**]: *Transmit frequency* This parameter indicates the Transmit frequency of the channel.

TX: *Enable/Disable the Transmission*

This parameter indicates whether the transmitter shall be Enabled ("**TX**") or Disabled ("--") on this channel.

LOW: Transmitter Power Output

This parameter indicates the transmitter's power output. Default values are programmed into each channel, according to international standards.

UP: Transmit Power Selection (<u>U</u>ser <u>P</u>ower)

This parameter indicates whether transmit power selection capability by the user shall be Enabled ("**UP**") or Disabled ("--").

DUP: *Duplex Operation*

This parameter indicates whether duplex operation (separate transmit/receive frequencies) shall be Enabled ("**DUP**") or Disabled ("---").

MEM: Memory Channel Scan

This parameter indicates whether the memory scanning (M-SCAN) shall be Enabled ("**MEM**") or Disabled ("--").

CH Name: Alpha/Numeric "Tag"

This parameter indicates the Alpha/Numeric "Tag" used to identify the channel.

🗄 General	СН	RX[MHz]	TX[MHz]	тх	LOW	UP	DUP	MEM	CH Name	1
Group1(USA)	01A	156.050	156.050	тх					VTS	-
Group2(INTL) Group3(CAN)	05A	156.250	156.250	тх					VTS	
Weather	06	156.300	156.300	тх					SAFETY	
E DSC	07A	156.350	156.350	тх					COMMERCIAL	
EVE CHANNEL(EVE)	08	156.400	156.400	тх					COMMERCIAL	
	09	156.450	156.450	тх					CALLING	
	10	156.500	156.500	тх					COMMERCIAL	
	11	156.550	156.550	тх					VTS	
	12	156.600	156.600	тх					VTS	
	13	156.650	156.650	тх	LO₩	UP			BRG/BRG	
	14	156.700	156.700	тх					VTS	
	15	156.750							COMMERCIAL	
	16	156.800	156.800	тх					DISTRESS	

"PROGRAMMABLE CHANNEL" SELECTION

"WX CHANNEL" FOLDER

Enable: Channel Operation Status

This parameter toggles whether the channel shall be Enabled ("♥") or Disabled ("♥") for operation.

Scan: Memory Cnannel Scan

This parameter determines whether scaning of this channel shall be Enabled ("♥") or Disabled ("♥").

CH Name: *Alpha/Numeric "Tag"*

This field allows entry of the 12-character

Alpha/Numeric "Tag" used identify the WX channel.

To enter the Alpha/Numeric Tag, click the left mouse button on this parameter to enable programming, then type the characters of the desired Alpha/Numeric Tag, then press the [**ENTER**] key to save the programmed "Tag."

The charactors to be used include $0 \sim 9$ and $A \sim Z$.

CE100 PC Program for HX850S					_ 🗆 🗙
<u>File Transfer Destination Opt</u>	tions <u>H</u> elp				
General Programable Channel Group1(USA)		Enable	Scan	CH Name	
⊕ Group2(INTL)	WX01[162.550MHz]			162.550MHz	
Group3[CAN] Weather	WX02[162.400MHz]	$\overline{\mathbf{v}}$		162.400MHz	
	WX03[162.475MHz]	$\overline{\mathbf{v}}$		162.475MHz	
	WX04[162.425MHz]	$\overline{\mathbf{v}}$		162.425MHz	
	WX05[162.450MHz]	~		162.450MHz	
	WX06[162.500MHz]	◄		162.500MHz	
	WX07[162.525MHz]	☑		162.525MHz	
	WX08[161.650MHz]	•		161.650MHz	
	WX09[161.775MHz]	◄		161.775MHz	
	WX10[163.275MHz]	☑		163.275MHz	
[Up]/[Down]/[Left]/[Right]:Char	nge of a Selection item.				HX8505

"PROGRAMMABLE CHANNEL" WINDOW

This section displays the channel list, and allows selection of the channel on which you wish to make changes to the configuration of the channel.

Double click the *left* mouse button on the each items ("**Group1**", "**Group2**", "**Group3**," or "**EXP Channel**") to display its lower folder.

On the lower folder in the left column, click the *left* mouse button on any channel to open its programming window, so you can program or modify the channel data on that channel.

CH Enable: Enables/Disables the Channel This parameter toggles whether this channel shall be Enabled ("♥") or Disabled ("♥") for operation.

CH Display: Channel Number

This parameter indicates the operating channel number.

This parameter can not be edited.

Rx Frequency: *Receive frequency*

This parameter indicates the Receive frequency of the channel.

This parameter can not be edited.

Tx Frequency: *Transmit frequency*

This parameter indicates the Transmit frequency of the channel. This parameter can not be edited.

Tx Enable: Enables/Disables Transmission

This parameter defines whether the transmitter shall be Enabled ("☑") or Disabled ("□") on this channel.

Low Power Only: Transmitter Power Output

This parameter toggles the transmitter's power output on this channel between HI "(\square)" or Low "(\square)." This parameter is ignored when the "**Tx Enable**" parameter is set to Disabled "(\square)."

Power Up: *Transmit Power Selection Capability*

This parameter toggles whether the transmit power selection by the user shall be Enabled (" \square ") or Disabled (" \square "). This parameter is ignored when the "**Low Power Only**" parameter is set to HI (" \square ").

En CE100 PC Program for HX	350S	
<u>File Transfer Destination</u>	Options	Help
D 🛩 🖬 🍯 📲 🗐		
 Group1(USA) − CH01 − CH01 − CH02 − CH02 − CH02A − CH03A − CH03A − CH04A − CH05A[Enable] − CH05A[Enable] − CH07A[Enable] − CH08A − CH08A		Image: CH Enable CH Display Rx Frequency Tx Frequency 01 A 156.050 MHz Image: Tx Enable Image: Low Power Only Image: Power Up Image: Duplex Scan Memory CH Name VTS
Up]/[Down]/[Left]/[Right]:	Change o	f a Selection item. HX8505

"PROGRAMMABLE CHANNEL" WINDOW

Duplex: Duplex Operation

This parameter toggles whether duplex operation (separate transmit/receive frequencies) shall be Enabled ("🔽") or Disabled ("🔽").

Scan Memory: Memory Channel Scan

This parameter toggles whether memory scanning (M-SCAN) shall be Enabled ("☑") or Disabled ("□").

CH Name: Alpha/Numeric "Tag"

This field allows entry of the 16-character Alpha/Numeric "Tag" used to identify the channel.

The charactors to be used include "0 ~ 9," "A ~ Z," "a ~ z," and some charactors.

"DSC" SELECTION

Double click the left mouse button on the "**DSC**" selection in the left window of the screen to display its lower folder ("**Individual Directory**" and "**Group Directory**"), then click the left mouse button on the desired folder to display the "**Directory List Table**." The "**Directory List Table**" can not be edited.

"INDIVIDUAL DIRECTORY" FOLDER STATION NAME:

This parameter indicates the Station Name for each Individual Directory.

MMSI:

This parameter indicates the MMSI number for each Individual Directory.

No.	STATION NAME	MMSI	4
1	STANDARD	123456789	
2	HORIZON	234567890	
3	VERTEX	345678901	
4			
5			
6			
7			
8			
9			
10			
11			
12			
	No. 1 2 3 4 5 6 7 8 9 10 11 12	No. STATION NAME 1 STANDARD 2 HORIZON 3 VERTEX 4	No. STATION NAME MMSI 1 STANDARD 123456789 2 HORIZON 234567890 3 VERTEX 345678901 4 - - 5 - - 6 - - 7 - - 8 - - 10 - - 11 - - 12 - -

"GROUP DIRECTORY" FOLDER STATION NAME:

This parameter indicates the Station Name for each Group Directory.

MMSI:

This parameter indicates the MMSI number for each Group Directory.

CE100 PC Program for HX850S				_ 🗆 X
<u>File</u> <u>Transfer</u> <u>D</u> estination <u>Opt</u>	tions <u>H</u> el	0		
⊕ General ⊕ Programable Channel	No.	GROUP NAME	MMSI	
⊟-DSC	1	Standard	012345678	
Individual Directory	2	Horizon	023456789	
	3	Vertex	034567890	
	4			
	5			
	6			
	7			
	8			
				_
[Up]/[Down]/[Left]/[Right]:Char	nge of a S	election item.	Н	X850S

"DSC" WINDOW

This section displays the directory list, and allows selection of the directory on which you wish to make changes to the configuration of the directory data.

Double click the *left* mouse button on the each items ("**Individual Directory**" or "**Group Directory**") to display its lower folder.

On the lower folder in the left column, click the *left* mouse button on any memory to open its programming window, so you can program or modify the data on that memory.

"INDIVIDUAL DIRECTORY" WINDOW Add/Delete:

These parameters select whether this Individual ID is "**Add** () to" or "**Delete** () from" the "Individual Directory" Table.

Station Name:

This parameter enter the 11 character Alpha/ Numeric "Tag" which is registered into the Individual ID for used identify the channel. To enter the Alpha/Numeric Tag, click the left mouse button on this parameter to en-

able programming, then type the characters of the desired Alpha/Numeric Tag, then press the [ENTER] key to save the programmed "Tag."

The charactors to be used include " $0 \sim 9$," "A $\sim Z$," "a $\sim z$," and some charactors.

MMSI:

This parameter sets the nine digits MMSI ID code which is registered into the Individual ID.

To set the MMSI ID code, click the left mouse button on this parameter to enable programming, then enter the MMSI ID code.



"DSC" WINDOW

"GROUP DIRECTORY" WINDOW

Add/Delete:

These parameters select whether this Group ID is "Add (,) to" or "Delete () from" the "Group Directory" Table.

Group Name:

This parameter enter the 11 character Alpha/ Numeric "Tag" which is registered into the Group ID for used identify the group.

To enter the Alpha/Numeric Tag, click the left mouse button on this parameter to en-

CE100 PC Program for H _ 🗆 🗡 Transfer Destination Options Help 🗅 🚄 日 🛎 😫 + General Programable Channel ⊨ DSC Add 🔽 Delete E Individual Directory Group Director Group ID1[Enable] Group ID2[Enable] Group ID3[Enable] Group ID4 Standard Group Name Group ID5 Group ID6 MMSI 012345678 Group ID7 [Up]/[Down]/[Left]/[Right]:Change of a Selection iter HX850S

able programming, then type the characters of the desired Alpha/Numeric Tag, then press the [Enter] key to save the programmed "Tag."

The charactors to be used include " $0 \sim 9$," "A \sim Z," "a \sim z," and some charactors.

MMSI:

This parameter sets the nine digits MMSI ID code which is registered into the Group ID. To set the MMSI ID code, click the left mouse button on this parameter to enable programming, then enter the MMSI ID code from the second digit. The first digit (permanently set to "0") is entered already.

TRANSFER MENU

This menu performs the Downloading or Uploading information from/to a radio. To Download/Upload data to/from radio, make the proper connections between the computer and radio and turn on the radio before selecting the "**TRANSFER**" menu.

"PROGRAM TO RADIO" ITEM

The "**Program to Radio**" item downloads the programming data from the computer to the radio.

To do this: click the left mouse button on the "**Program** to **Radio**" item (or the "**!**" icon) to open the pop-up window, then click the left mouse button on the "**OK**" box to download the programming data to the radio.

"READ FROM RADIO" ITEM

The "**Read from Radio**" item uploads the programming data from the radio to the computer.

To do this: click the left mouse button on the "**Read from Radio**" item (or the "**D**" icon) to open the pop-up window, then click the left mouse button on the "**OK**" box to upload the programming data from the radio to the computer.

🖺 Program to Radio 🔀								
1.Connect the PPS cable between the PC serial port and the radio. 2.On the radio, press and hold [DISTRESS] and [CALL] keys while								
The Radio display will show PC CONTROL.								
3.Press the [OK] button to start.								
OK Cancel Help								



PROGRAMMING SETUP

- 1. Turn the transceiver off.
- 2. Connect the HX850S Alignment Jig between the Computer and **HX850S**, as shown below.
- 3. Press and hold in the **[DISTRESS]** and **[CALL(ENT)MENU]** keys while turning the transceiver on to enter the programming mode ("**PC CONTROL**" notification will appear on the LCD).



VERTEX STANDARD CO., LTD.

DESTINATION MENU

This menu allows you to initialize the all settings of the programming data to the desired country specified.

Click the left mouse button on the "**Destination**" menu tab, then click the left mouse button on the country which you wish to initialized to specified.



OPTION **M**ENU

This menu allows you to set up the program according to your computer's configuration.

"SERIAL PORT" ITEM

This item selects the communication port which is connected to the HX850S. Click the left mouse button on the communication port ("**COM1**," "**COM2**," "**COM3**," or "**COM4**") which is connected to the HX850S Alignment Jig.



CHANNEL L	IST (USA)
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СН	TX (MHz)	RX (MHz)	S/D	I O PWR	CHANNEL NAME
01 A	156 050	156 050	S		VTS
05 A	156 250	156 250	S		VTS
06	156 300	156 300	S		SAFETY
	156 350	156 350	<u> </u>		
077	156 400	156 400	S		
00	156.450	156.450	<u> </u>		
10	156 500	156 500	S		
11	156 550	156 550	S		VTS
12	156 600	156 600	S		VTS
13	156 650	156 650	S	10	BRG/BRG
14	156 700	156 700	S		VTS
15	100.700	156 750	S		COMMERCIAL
16	156 800	156 800	S		DISTRESS
17	156 850	156 850	S	10	SAR
18.4	156 900	156 900	S		
10 A	156 950	156 950	S		
20	157,000	161 600			PORT OPR
20 4	157.000	157 000	S		PORTOPR
20 A	157.000	157.000	<u> </u>		
22 Δ	157 100	157 100	S		
23 Δ	157 150	157 150	<u> </u>		
21	157.150	161 800	<u> </u>		
25	157.200	161.850			
25	157.200	161.000			
20	157 350	161.900			
28	157.000	162,000			
63 A	156 175	156 175	S		VTS
65 A	156 275	156 275	<u> </u>		PORTOPR
66 A	156 325	156 325	<u> </u>		
67	156 375	156 375	S	10	BRG/BRG
68	156 425	156 425	<u> </u>		SHIP-SHIP
69	156 475	156 475	S		
70		156 525	S		DSC
70	156 575	156 575	S		
72	156 625	156 625	S		SHIP-SHIP
73	156 675	156 675	S		PORT OPR
74	156 725	156 725	S		PORT OPR
75	156 775	156 775	S	10	PORT OPR
76	156 825	156 825	S	10	PORT OPR
77	156 875	156 875	S	10	PORT OPR
78 Δ	156 925	156 925	S		SHIP-SHIP
79 A	156 975	156 975	S		SHIP-SHIP
80 A	157 025	157 025	S		SHIP-SHIP
81 A	157.075	157.075	S		
82 4	157 125	157 125	S		000 000
83 Δ	157 175	157 175	<u> </u>		
84	157 225	161 825			
85	157 275	161.875			TELEPHONE
88	157 325	161.075			
874	157 375	157 375	S		
88 Δ	157 / 25	157.075	<u> </u>		
	101.420	101.420	0		

CE100 Personal Programming System Reference Manual

Channel List (intl)

01 156.650 160.650 D — TELEPHONE 02 156.150 160.750 D — TELEPHONE 03 156.150 160.750 D — TELEPHONE 04 156.250 160.850 D — INTL 06 156.250 160.850 D — INTL 06 156.450 156.450 S — CALLING 08 156.450 156.450 S — COMMERCIAL 09 156.450 156.500 S — VIS 11 156.500 156.500 S — VIS 12 156.600 156.700 S LO COMMERCIAL 15 156.700 156.700 S LO COMMERCIAL 16 156.600 156.600 D — INTL 20 167.000 161.500 D — INTL 21 157.000 161.						
162 $166,150$ $160,750$ D $ TELEPHONE$ 03 $166,150$ $160,750$ D $ TELEPHONE$ 04 $156,200$ $160,850$ D $ INTL$ 05 $156,200$ $160,850$ D $ INTL$ 06 $156,400$ S $ COMMERCIAL$ 08 $156,400$ S $ COMMERCIAL$ 09 $156,600$ S $ COMMERCIAL$ 11 $166,550$ $156,500$ S $ VTS$ 12 $156,600$ S $ VTS$ TS 13 $156,650$ $156,750$ S $ VTS$ 14 $156,750$ $156,750$ S $ DTS$ 15 $156,750$ $156,850$ S $ DTS$ 17 $156,850$ $161,550$ D $ INTL$ 16	01	156.050	160 650	D		
13 156 150 160 TELEPHONE 04 156 200 160 800 D INTL 06 156 300 160 960 D INTL 06 156 300 160 960 D INTL 06 156 400 S	02	156 100	160.000			
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	03	156 150	160,750	D		TELEPHONE
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	04	156 200	160 800	D		INTI
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	05	156.250	160.850	D		INTL
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	06	156.300	156.300	S		SAFETY
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	07	156.350	160.950	D		INTL
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	08	156.400	156.400	S		COMMERCIAL
10 156,550 156,550 S	09	156.450	156.450	S		CALLING
11 156.650 156.650 S VTS 13 156.650 156.650 S BRGRRG 14 156.750 156.750 S VTS 15 156.750 156.750 S LO COMMERCIAL 16 156.850 156.850 S LO SAR 18 156.950 161.500 D INTL 20 157.000 161.600 D INTL 21 157.050 161.650 D INTL 22 157.100 161.700 D INTL 23 157.150 161.750 D INTL 24 157.200 161.800 D TELEPHONE 25 157.300 161.900 D TELEPHONE 26 157.300 161.900 D TELEPHONE 27 157.350 160.725 D INTL 61 156.025 D -	10	156.500	156.500	S		COMMERCIAL
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	11	156.550	156.550	S	—	VTS
13 156.650 156.650 S VTS 15 156.750 156.750 S LO COMMERCIAL 16 156.850 156.850 S LO SAR 18 156.900 156.850 S LO SAR 18 156.950 161.500 D INTL 20 157.000 161.600 D INTL 21 157.100 161.750 D INTL 22 157.100 161.760 D INTL 23 157.250 161.800 D TELEPHONE 25 157.250 161.800 D TELEPHONE 26 157.300 161.900 D TELEPHONE 28 157.400 162.000 D TELEPHONE 28 157.400 162.075 D INTL 63 156.175 160.675 D INTL 64 156.276 160.775	12	156.600	156.600	S		VTS
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	13	156.650	156.650	S		BRG/BRG
15 156.750 156.750 S LO COMMERCIAL 16 156.800 156.800 S — DISTRESS 17 156.850 156.860 S LO SAR 18 156.950 161.500 D — INTL 20 157.000 161.650 D — INTL 21 157.050 161.700 D — INTL 22 157.150 161.700 D — INTL 23 157.250 161.850 D — INTL 24 157.200 161.800 D — TELEPHONE 25 157.250 161.950 D — TELEPHONE 26 157.350 161.950 D — TELEPHONE 27 157.350 161.950 D — TELEPHONE 28 157.400 162.000 D — TELEPHONE 60 156.025 160.675 D — INTL 62 156.125 160.675	14	156.700	156.700	S		VTS
16 156.800 156.850 S LO SAR 17 156.850 166.850 D INTL 19 156.950 161.550 D INTL 20 157.000 161.600 D PORT OPR 21 157.000 161.600 D INTL 23 157.150 161.750 D INTL 24 157.200 161.800 D INTL 25 157.250 161.800 D TELEPHONE 26 157.300 161.950 D TELEPHONE 26 157.350 161.950 D TELEPHONE 27 157.350 161.950 D TELEPHONE 28 157.400 162.000 D TELEPHONE 61 156.025 160.625 D INTL 62 156.125 160.625 D INTL 63 156.255 D	15	156.750	156.750	S	LO	COMMERCIAL
17 156.850 156.850 S LO SAR 18 156.900 161.500 D INTL 20 157.000 161.650 D INTL 21 157.000 161.650 D INTL 22 157.100 161.700 D INTL 23 157.150 161.750 D INTL 24 157.200 161.800 D IELEPHONE 25 157.250 161.950 D TELEPHONE 26 157.300 161.900 D TELEPHONE 27 157.350 161.950 D TELEPHONE 28 157.400 162.000 D TELEPHONE 60 156.025 160.625 D INTL 61 156.025 160.75 D INTL 62 156.255 IG INTL INTL 63 156.275 160.75 <t< td=""><td>16</td><td>156.800</td><td>156.800</td><td>S</td><td></td><td>DISTRESS</td></t<>	16	156.800	156.800	S		DISTRESS
18 196.900 161.500 D INIL 20 157.000 161.550 D INTL 21 157.000 161.650 D INTL 22 157.100 161.700 D INTL 23 157.150 161.750 D INTL 24 157.200 161.800 D TELEPHONE 25 157.250 161.800 D TELEPHONE 26 157.300 161.900 D TELEPHONE 27 157.350 161.950 D TELEPHONE 28 157.400 162.000 D TELEPHONE 61 156.025 160.675 D INTL 62 156.175 160.675 D INTL 63 156.175 160.675 D INTL 64 156.255 160.875 D INTL 66 156.325 160.375	17	156.850	156.850	S	LO	SAR
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	18	156.900	161.500	<u>D</u>	<u> </u>	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	19	156.950	161.550	<u> </u>	<u> </u>	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	20	157.000	161.600	D		PORTOPR
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	21	157.050	161.650			
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	22	157.100	161.700			
24 157.200 161.800 D — TELEPHONE 25 157.300 161.900 D — TELEPHONE 26 157.300 161.900 D — TELEPHONE 27 157.350 161.950 D — TELEPHONE 28 157.400 162.000 D — TELEPHONE 60 156.025 160.625 D — IELEPHONE 61 156.025 160.725 D — INTL 62 156.125 160.725 D — INTL 63 156.175 160.775 D — INTL 64 156.225 160.825 D — INTL 66 156.325 160.925 D — INTL 67 156.375 156.375 S — BRG/BRG 68 156.425 156.425 S — DSC 70 — 156.575 S — PLEASURE 72 156.675 156.625 S<	23	157.150	161.750			
23 137.230 101.030 D TELEPHONE 26 157.300 161.900 D TELEPHONE 27 157.350 161.950 D TELEPHONE 28 157.400 162.000 D TELEPHONE 60 156.025 160.625 D INTL 61 156.025 160.675 D INTL 62 156.125 160.755 D INTL 63 156.175 160.775 D INTL 64 156.225 160.825 D INTL 65 156.275 160.875 D INTL 66 156.375 156.475 S BRG/BRG 68 156.425 156.475 S PLEASURE 70 156.575 S PLEASURE 71 156.675 156.675 S PORT OPR <t< td=""><td>24</td><td>157.200</td><td>161.000</td><td></td><td></td><td></td></t<>	24	157.200	161.000			
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	20	157.200	161.000			
21 101.330 101.330 D	20	157.300	161.900			
20 101.300 102.300 D ITELEPHONE 60 166.025 160.675 D INTL 62 156.125 160.725 D INTL 63 156.175 160.775 D INTL 63 156.175 160.775 D INTL 64 156.225 160.825 D INTL 66 156.325 160.325 D INTL 66 156.325 160.325 D INTL 67 156.375 156.475 S BRG/BRG 68 156.425 156.475 S DSC 70 156.575 S DSC 71 156.575 156.75 S PORTOPR 72 156.675 S PORTOPR 74 156.75 S	28	157.000	162,000			
60 160.025 160.025 D INTL 61 156.075 160.725 D INTL 62 156.125 160.725 D INTL 63 156.175 160.775 D INTL 64 156.225 160.825 D INTL 66 156.225 160.875 D INTL 66 156.375 156.375 S BRG/BRG 68 156.425 156.425 S SHIP-SHIP 69 156.475 156.475 S PLEASURE 70 156.575 S DSC 71 156.575 156.675 S PLEASURE 72 156.675 156.675 S PORT OPR 73 156.675 156.75 S LO PORT OPR 75 156.75 156.75 LO	60	156 025	160 625			
62 156.125 160.725 D INTL 63 156.125 160.775 D INTL 64 156.225 160.825 D INTL 64 156.225 160.825 D INTL 65 156.275 160.875 D INTL 66 156.325 160.925 D INTL 67 156.375 156.425 S BRG/BRG 68 156.425 156.475 S PLEASURE 70 156.575 S PLEASURE 71 156.575 156.675 S PLEASURE 72 156.625 156.675 S PLEASURE 73 156.675 156.75 S PORT OPR 74 156.75 156.75 S LO PORT OPR 75 156.875 156.875 </td <td>61</td> <td>156 075</td> <td>160.675</td> <td>D</td> <td></td> <td>INTI</td>	61	156 075	160.675	D		INTI
63 156.175 160.775 D INTL 64 156.225 160.825 D INTL 66 156.225 160.875 D INTL 66 156.325 160.875 D INTL 67 156.375 156.375 S BRG/BRG 68 156.425 156.425 S BRG/BRG 69 156.475 156.475 S DSC 70 156.575 S DSC 71 156.575 156.75 S DSC 71 156.575 156.75 S PORT OPR 72 156.625 156.75 S PORT OPR 74 156.75 156.75 S LO PORT OPR 75 156.75 D INTL 76 156.825 156.75 D <td>62</td> <td>156.125</td> <td>160.725</td> <td>D</td> <td></td> <td>INTL</td>	62	156.125	160.725	D		INTL
64 156.225 160.825 D — TELEPHONE 65 156.275 160.875 D — INTL 66 156.325 160.925 D — INTL 67 156.375 156.375 S — BRG/BRG 68 156.425 156.425 S — SHIP-SHIP 69 156.475 156.475 S — DSC 70 — 156.575 S — DEC 71 156.625 156.625 S — DEASURE 72 156.625 156.675 S — PLEASURE 73 156.675 156.75 S — PORT OPR 74 156.75 156.75 S LO PORT OPR 76 156.825 156.825 S LO PORT OPR 76 156.875 D — INTL 79 156.975 I61.575 D <td< td=""><td>63</td><td>156.175</td><td>160.775</td><td>D</td><td></td><td>INTL</td></td<>	63	156.175	160.775	D		INTL
65 156.275 160.875 D — INTL 66 156.325 160.925 D — INTL 67 156.375 156.375 S — BRG/BRG 68 156.425 156.425 S — SHIP-SHIP 69 156.475 156.475 S — PLEASURE 70 — 156.575 S — DSC 71 156.675 156.675 S — PLEASURE 72 156.625 156.675 S — PORT OPR 73 156.675 156.75 S — PORT OPR 74 156.75 156.75 S — PORT OPR 75 156.75 156.75 S — PORT OPR 75 156.75 156.75 S — PORT OPR 76 156.875 156.875 S — PORT OPR 77 156.975 161.575	64	156.225	160.825	D		TELEPHONE
66 156.325 160.925 D — INTL 67 156.375 156.375 S — BRG/BRG 68 156.425 156.425 S — SHIP-SHIP 69 156.475 156.475 S — PLEASURE 70 — 156.525 S — DSC 71 156.575 156.675 S — PLEASURE 72 156.625 156.625 S — PORT OPR 73 156.675 156.75 S — PORT OPR 74 156.75 156.75 S LO PORT OPR 75 156.75 156.75 S LO PORT OPR 75 156.75 156.825 S LO PORT OPR 76 156.825 156.825 D — INTL 78 156.975 161.525 D — INTL 80 157.025 161.675	65	156.275	160.875	D		INTL
67 156.375 156.375 S — BRG/BRG 68 156.425 156.425 S — SHIP-SHIP 69 156.475 156.475 S — PLEASURE 70 — 156.525 S — DSC 71 156.575 156.625 S — PLEASURE 72 156.625 156.675 S — PORT OPR 73 156.675 156.675 S — PORT OPR 74 156.755 156.75 S LO PORT OPR 75 156.75 156.75 S LO PORT OPR 76 156.825 156.875 S LO PORT OPR 76 156.875 156.875 D — INTL 79 156.975 161.525 D — INTL 80 157.025 161.625 D — INTL 81 157.075 161.775	66	156.325	160.925	D		INTL
68 156.425 S — SHIP-SHIP 69 156.475 156.475 S — PLEASURE 70 — 156.525 S — DSC 71 156.575 156.575 S — PLEASURE 72 156.625 156.625 S — SHIP-SHIP 73 156.675 156.675 S — PORT OPR 74 156.75 156.75 S — PORT OPR 74 156.75 156.75 S — PORT OPR 75 156.775 156.75 S LO PORT OPR 76 156.825 156.825 S LO PORT OPR 77 156.875 S — PORT OPR 78 156.925 161.525 D — INTL 80 157.075 161.675 D — INTL 81 157.075 161.875 D —	67	156.375	156.375	S		BRG/BRG
69 156.475 156.475 S — PLEASURE 70 — 156.525 S — DSC 71 156.575 156.575 S — PLEASURE 72 156.625 156.625 S — SHIP-SHIP 73 156.675 156.725 S — PORT OPR 74 156.725 156.725 S — PORT OPR 74 156.755 156.775 S LO PORT OPR 75 156.775 156.75 S LO PORT OPR 76 156.825 156.825 S LO PORT OPR 77 156.875 156.875 S — PORT OPR 78 156.925 161.525 D — INTL 80 157.025 161.625 D — INTL 81 157.025 161.725 D — INTL 82 157.125 161.725 </td <td>68</td> <td>156.425</td> <td>156.425</td> <td>S</td> <td>—</td> <td>SHIP-SHIP</td>	68	156.425	156.425	S	—	SHIP-SHIP
70 — 156.525 S — DSC 71 156.575 156.575 S — PLEASURE 72 156.625 156.625 S — SHIP-SHIP 73 156.675 156.675 S — PORT OPR 74 156.725 156.775 S — PORT OPR 75 156.775 156.775 S LO PORT OPR 76 156.825 156.825 S LO PORT OPR 77 156.875 156.875 S — PORT OPR 78 156.925 161.525 D — INTL 79 156.975 161.575 D — INTL 80 157.025 161.625 D — INTL 81 157.025 161.725 D — INTL 82 157.125 161.775 D — INTL 83 157.275 161.875	69	156.475	156.475	S		PLEASURE
71 156.575 S — PLEASURE 72 156.625 156.625 S — SHIP-SHIP 73 156.675 156.675 S — PORT OPR 74 156.725 156.725 S — PORT OPR 75 156.775 156.775 S LO PORT OPR 76 156.825 156.825 S LO PORT OPR 77 156.875 156.875 S — PORT OPR 78 156.925 161.525 D — INTL 79 156.975 161.575 D — INTL 80 157.025 161.625 D — INTL 81 157.025 161.725 D — INTL 82 157.125 161.725 D — INTL 83 157.175 161.825 D — INTL 84 157.225 161.825 D — TELEPHONE 85 157.325 161.825 D — </td <td>70</td> <td></td> <td>156.525</td> <td>S</td> <td><u> </u></td> <td>DSC</td>	70		156.525	S	<u> </u>	DSC
72 156.625 156.625 S — SHIP-SHIP 73 156.675 156.675 S — PORT OPR 74 156.725 156.725 S — PORT OPR 75 156.775 156.775 S LO PORT OPR 76 156.825 156.825 S LO PORT OPR 77 156.875 156.875 S — PORT OPR 78 156.925 161.525 D — INTL 79 156.975 161.575 D — INTL 80 157.025 161.675 D — INTL 81 157.025 161.725 D — INTL 82 157.125 161.725 D — INTL 83 157.75 161.825 D — INTL 84 157.225 161.825 D — TELEPHONE 85 157.375 161.875 D — TELEPHONE 86 157.325 161.925 <	71	156.575	156.575	S	<u> </u>	PLEASURE
73 156.675 156.675 S — PORT OPR 74 156.725 156.725 S — PORT OPR 75 156.775 156.775 S LO PORT OPR 76 156.825 156.825 S LO PORT OPR 77 156.875 156.875 S — PORT OPR 78 156.925 161.525 D — INTL 79 156.975 161.575 D — INTL 80 157.025 161.675 D — INTL 81 157.075 161.725 D — INTL 82 157.125 161.725 D — INTL 83 157.75 161.875 D — INTL 84 157.225 161.825 D — TELEPHONE 85 157.375 161.875 D — TELEPHONE 86 157.325 161.925 D — TELEPHONE 87 157.375 157.375 <	72	156.625	156.625	S	—	SHIP-SHIP
74 156.725 S — PORT OPR 75 156.775 156.775 S LO PORT OPR 76 156.825 156.825 S LO PORT OPR 77 156.875 156.875 S — PORT OPR 78 156.925 161.525 D — INTL 79 156.975 161.575 D — INTL 80 157.025 161.625 D — INTL 81 157.075 161.675 D — INTL 82 157.125 161.725 D — INTL 83 157.175 161.775 D — INTL 84 157.255 161.825 D — TELEPHONE 85 157.275 161.875 D — TELEPHONE 86 157.325 161.925 D — TELEPHONE 87 157.375 157.375 S — PORT OPR 88 157.425 157.425 S —<	73	156.675	156.675	S		PORTOPR
75 156.775 156.775 S LO PORTOPR 76 156.825 156.825 S LO PORTOPR 77 156.875 156.875 S — PORTOPR 78 156.925 161.525 D — INTL 79 156.975 161.575 D — INTL 80 157.025 161.625 D — INTL 81 157.025 161.675 D — INTL 82 157.125 161.725 D — INTL 83 157.175 161.775 D — INTL 84 157.225 161.825 D — TELEPHONE 85 157.275 161.875 D — TELEPHONE 86 157.325 161.925 D — TELEPHONE 87 157.375 157.375 S — PORTOPR 88 157.425 157.425	14	156.725	156.725	S	—	PORTOPR
76 156.825 156.825 S LO PORT OPR 77 156.875 156.875 S PORT OPR 78 156.925 161.525 D INTL 79 156.975 161.575 D INTL 80 157.025 161.625 D INTL 81 157.075 161.675 D INTL 82 157.125 161.775 D INTL 83 157.175 161.775 D INTL 84 157.225 161.825 D INTL 84 157.275 161.875 D TELEPHONE 85 157.275 161.875 D TELEPHONE 86 157.325 161.925 D TELEPHONE 87 157.375 157.375 S PORT OPR 88 157.425 1	75	156.775	156.775	5	LO	PORTOPR
77 156.875 150.875 S — PORTOPR 78 156.925 161.525 D — INTL 79 156.975 161.575 D — INTL 80 157.025 161.625 D — INTL 81 157.075 161.675 D — INTL 82 157.125 161.725 D — INTL 83 157.175 161.775 D — INTL 84 157.225 161.825 D — INTL 84 157.275 161.825 D — TELEPHONE 85 157.275 161.875 D — TELEPHONE 86 157.325 161.925 D — TELEPHONE 87 157.375 157.375 S — PORT OPR 88 157.425 157.425 S — PORT OPR	76	156.825	156.825	5	LO	PORTOPR
76 130.925 101.325 D — INTL 79 156.975 161.575 D — INTL 80 157.025 161.625 D — INTL 81 157.075 161.675 D — INTL 82 157.125 161.725 D — INTL 83 157.175 161.775 D — INTL 84 157.225 161.825 D — INTL 84 157.275 161.825 D — TELEPHONE 85 157.275 161.875 D — TELEPHONE 86 157.325 161.925 D — TELEPHONE 87 157.375 157.375 S — PORT OPR 88 157.425 157.425 S — PORT OPR	70	150.075	100.070	<u> </u>		
79 150.975 161.375 D — INTL 80 157.025 161.625 D — INTL 81 157.075 161.675 D — INTL 82 157.125 161.725 D — INTL 83 157.175 161.775 D — INTL 84 157.225 161.825 D — INTL 85 157.275 161.825 D — TELEPHONE 86 157.325 161.925 D — TELEPHONE 87 157.375 157.375 S — PORT OPR 88 157.425 157.425 S — PORT OPR	70	150.925	161 575			
80 157.025 161.025 D — INTL 81 157.075 161.675 D — INTL 82 157.125 161.725 D — INTL 83 157.175 161.775 D — INTL 84 157.225 161.825 D — TELEPHONE 85 157.275 161.875 D — TELEPHONE 86 157.325 161.925 D — TELEPHONE 87 157.375 157.375 S — PORT OPR 88 157.425 157.425 S — PORT OPR	/9	150.975	101.070			
81 137.073 161.073 D — INTL 82 157.125 161.725 D — INTL 83 157.175 161.775 D — INTL 84 157.225 161.825 D — TELEPHONE 85 157.275 161.875 D — TELEPHONE 86 157.325 161.925 D — TELEPHONE 87 157.375 157.375 S — PORT OPR 88 157.425 157.425 S — PORT OPR	81	157.025	161.675			
83 157.125 161.725 D — INTL 83 157.175 161.775 D — INTL 84 157.225 161.825 D — TELEPHONE 85 157.275 161.875 D — TELEPHONE 86 157.325 161.925 D — TELEPHONE 87 157.375 157.375 S — PORT OPR 88 157.425 157.425 S — PORT OPR	82	157.075	161.075			
84 157.225 161.825 D — TELEPHONE 85 157.275 161.875 D — TELEPHONE 86 157.325 161.925 D — TELEPHONE 87 157.375 157.375 S — PORT OPR 88 157.425 157.425 S — PORT OPR	83	157 175	161.725			
85 157.275 161.875 D — TELEPHONE 86 157.325 161.925 D — TELEPHONE 87 157.375 157.375 S — PORT OPR 88 157.425 157.425 S — PORT OPR	84	157 225	161 825			
86 157.325 161.925 D — TELEPHONE 87 157.375 157.375 S — PORT OPR 88 157.425 157.425 S — PORT OPR	85	157.275	161.875	D		TELEPHONE
87 157.375 157.375 S — PORT OPR 88 157.425 157.425 S — PORT OPR	86	157.325	161,925	D		TELEPHONE
88 157.425 157.425 S — PORT OPR	87	157.375	157.375	S		PORT OPR
	88	157.425	157.425	Š		PORT OPR

VERTEX STANDARD CO., LTD.

CHANNEL LIST (CANADA)

<u>сп</u>			S/D		
	156.050	160,650			
02	156 100	160,000			
03	156 150	160,750			TELEPHONE
04 A	156 200	156 200	S		CCG
05 A	156.250	156.250	Š		VTS
06	156.300	156.300	Š	_	SAFETY
07 A	156.350	156.350	Š	_	COMMERCIAL
08	156,400	156,400	S		COMMERCIAL
09	156.450	156.450	S	_	CALLING
10	156.500	156.500	S	—	COMMERCIAL
11	156.550	156.550	S	_	VTS
12	156.600	156.600	S		VTS
13	156.650	156.650	S	LO	BRG/BRG
14	156.700	156.700	S	—	VTS
15	156.750	156.750	S	LO	COMMERCIAL
16	156.800	156.800	S		DISTRESS
17	156.850	156.850	S	LO	SAR
<u>18 A</u>	156.900	156.900	S		COMMERCIAL
<u>19 A</u>	156.950	156.950	S		COMMERCIAL
20	157.000	161.600	D	LO	PORTOPR
21 A	157.050	157.050	S		CCG
22 A	157.100	157.100	S	—	USCG
23	157.150	161.750	D		
24	157.200	161.800	D		
25	157.250	161.850			
20	157.300	161.900			
21	157.300	162,000			
20	157.400	160.625			
61 A	150.025	156.075	D S		
62 A	150.075	150.075	<u> </u>		
63A	156 175	156 175	<u> </u>		
64	156 225	160.825			
64 A	156 225	156 225	S		COMMERCIAL
65 A	156 275	156 275	S		PORT OPR
66 A	156 325	156 325	S	10	PORT OPR
67	156.375	156.375	Š		BRG/BRG
68	156.425	156.425	Š	_	SHIP-SHIP
69	156.475	156,475	Š	_	PLEASURE
70	_	156.525	S		DSC
71	156.575	156.575	S	—	PLEASURE
72	156.625	156.625	S	—	SHIP-SHIP
73	156.675	156.675	S	—	PORT OPR
74	156.725	156.725	S	—	PORT OPR
75	156.775	156.775	S	LO	PORT OPR
76	156.825	156.825	S	LO	PORT OPR
77	156.875	156.875	S	LO	PORT OPR
78 A	156.925	156.925	S		SHIP-SHIP
79 A	156.975	156.975	S		SHIP-SHIP
80 A	157.025	157.025	S	—	SHIP-SHIP
<u>81 A</u>	157.075	157.075	S	—	
82 A	157.125	157.125	5		
	15/.1/5				
03 A	157.175	107.175			
04	157.225	101.825			
C0	157.275	101.0/5			
00	157.323	101.920			
01	157.575	157.375	0 0		
00	107.420	107.420	S		

Page 19

СН	FREQUENCY	ENABLE/DISABLE	SCAN	CHANNEL NAME				
WX01	162.550 MHz	Enable	Disable	162.550MHz				
WX02	162.400 MHz	Enable	Disable	162.400MHz				
WX03	162.475 MHz	Enable	Disable	162.475MHz				
WX04	162.425 MHz	Enable	Disable	162.425MHz				
WX05	162.450 MHz	Enable	Disable	162.450MHz				
WX06	162.450 MHz	Enable	Disable	162.450MHz				
WX07	162.525 MHz	Enable	Disable	162.525MHz				
WX08	161.650 MHz	Enable	Disable	161.650MHz				
WX09	161.775 MHz	Enable	Disable	161.775MHz				
WX10	163.275 MHz	Enable	Disable	163.275MHz				

CHANNEL LIST (WEATHER CHANNEL)



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