



Appendix J Authorized/Required Frequencies

Introduction This appendix provides frequencies that are authorized for Auxiliary use and those that are required to operate. Auxiliarists may use the authorized frequencies for official use. However, Auxiliary radios must contain the required frequencies.

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J.1. Authorized Frequencies

Auxiliarists may use the following authorized frequencies for official use (see **Table J-1, Table J-2, and Table J-3**):

**Table J-1
Authorized Frequencies**

Purpose	Designator	Frequency	Mode	Max Power
CG Working	Channel 21A	157.050 MHz	FM	25W
CG Working	Channel 23A	157.150 MHz	FM	25W
CG Working	Channel 81A	157.075 MHz	FM	25W
CG Working	Channel 83A (Note 1)	157.175 MHz	FM	25W
CG Liaison/Working	Channel 22A	157.100 MHz	FM	25W
Distress, Safety, Calling	Channel 16	156.800 MHz	FM	25W
Alternate calling	Channel 9	156.450 MHz	FM	25W
Intership Safety/SAR Ship to Aircraft	Channel 6	156.300 MHz	FM	25W
Datum Marker Buoy	Channel 15	156.750 MHz 240.6 MHz 242.65 MHz 275.1 MHz	FM	1W
<p>Auxiliary facilities are authorized to use additional channels when required in the interest of vessel safety (e.g., to access Bridge-to-Bridge Radiotelephone Act frequencies and Vessel Traffic Services). Operational necessity may also require the use of other channels. Use of other channels for operations must be limited to the duration of the need, and is subject to the approval of the controlling Coast Guard unit.</p> <p>Aircraft facilities and radio facilities may be authorized to use additional channels by requesting authorization according to <i>paragraph G.2 of Annex 4</i>.</p> <p>For all facilities, direct communications between a SAR unit and a vessel in distress may use any channel necessary for the duration of the distress.</p>				
<p>NOTE: Note 1: Channel 83A (157.175 MHz) must not be used in areas where interference with Canadian users of this frequency is possible.</p>				



**Table J-2
Additional VHF/UHF Authorized Frequencies**

Purpose	Notes	Frequency	Mode	Max Power
CG Aeronautical Working	Distress (Note 1)	121.500 MHz	AM	10W
CG Aeronautical Working	SAR training (Notes 1, 2)	122.900 MHz	AM	10W
CG Aeronautical Working	SAR (Notes 1, 2)	123.100 MHz	AM	10W
Non-Marine Working		143.280 MHz	FM (Note 3)	50W
Non-Marine Working		138.475 MHz	FM (Note 4)	50W
Non-Marine Working		142.825 MHz	FM (Note 4)	50W
Non-Marine Working		143.475 MHz	FM (Note 4)	50W
Non-Marine Working		149.200 MHz	FM (Note 4)	50W
Non-Marine Working		150.700 MHz	FM (Note 4)	50W
UHF Air-to-Air, Air-to-Ground		(Note 5)	AM	10W
<p>Auxiliarists are not authorized to use General Mobile Radio Service (GMRS) or Family Radio Service (FRS) UHF radios for official use. Auxiliarists are authorized to use government Inter Squad Radio (ISR) UHF radios on a shared frequency basis (e.g., must accept any interference) for official use only. Facilities that require more power than normally authorized (e.g., repeater systems) should request authorization using the procedure in <i>paragraph G.2 of Annex 4</i>.</p>				
<p>NOTES:</p> <p>Note 1: The listed frequency is for aircraft use only.</p> <p>Note 2: The Director of Auxiliary must coordinate with the District Chief of Telecommunications on the use of the aeronautical frequency 123.100 MHz for SAR operations, and 122.900 MHz for SAR training with Auxiliary aircraft facilities.</p> <p>Note 3: Usage is only authorized through December 31, 2007 using either wideband (25KHz channel) or narrowband (12.5Khz channel) bandwidth. Any usage must terminate starting January 1, 2008.</p> <p>Note 4: Through December 31, 2007, both wideband (25KHz channel) or narrowband (12.5KHz channel) are authorized. Starting January 1, 2008, only narrowband (12.5KHz channel) is authorized.</p> <p>Note 5: Aircraft usage of Coast Guard VHF/UHF frequencies may be authorized by the controlling Coast Guard air station.</p>				



**Table J-3
HF/MF Authorized Frequencies**

Purpose	Notes	Frequency	Mode	Max Power
Distress, Safety, Calling		2183.4 (2182) KHz	SSB	100W
CG Liaison/Working		2671.4 (2670) KHz	SSB	100W
CG Working	(Note 1)	2 - 4 MHz	SSB	100W
Aircraft HF, Rotary	(Note 2)	3121.4 (3120) KHz	SSB	400W
Aircraft HF	(Note 2)	3124.4 (3123) KHz	SSB	400W
Aircraft HF, Primary Rotary	(Note 2)	5693.4 (5692) KHz	SSB	400W
Aircraft HF, Primary	(Note 2)	5697.4 (5696) KHz	SSB	400W
Aircraft HF, Rotary	(Note 2)	8981.4 (8980) KHz	SSB	400W
Aircraft HF	(Note 2)	8985.4 (8984) KHz	SSB	400W
Inland Working	(Note 3)	27.980 MHz	AM	5W
<p>NOTES:</p> <p>Note 1: District working HF authorization may be made by the District Commander when appropriate. Working HF frequencies range from 2-4 MHz.</p> <p>Note 2: These are the most common HF aircraft frequencies used by the Coast Guard. Auxiliary aircraft with HF/MF transceivers must coordinate their frequency selection with the Coast Guard or Auxiliary ground stations and aircraft with which they will be working. These frequencies are authorized for air-to-air or air-to-ground use only.</p> <p>Note 3: This frequency is for hand held portable use only, in inland areas beyond the range of established Coast Guard VHF nets. The District Commander must recommend to Commandant (CG-62) specific geographic areas for 27.980 MHz use. This is a government frequency, not a Citizens Band channel.</p>				

J.2. Required Frequencies

Auxiliary facilities must have radios containing the following VHF-FM marine frequencies. Aircraft facilities with HF transceivers must coordinate any frequency assignments with, and have other required operational frequencies assigned by, the controlling Coast Guard air station (see **Table J-4**).



**Table J-4
VHF-FM Marine Required Frequencies**

Frequency	Fixed Land	Land Mobile	RDF	Vessel	Aircraft (Note 3)	Remarks
Ch 21A (157.050 MHz)	X	X		X	X	Note 2
Ch 23A (157.150 MHz)	X	X		X	X	Note 2
Ch 81A (157.075 MHz)	X	X		X	X	Note 2
Ch 83A (157.175 MHz)	X	X		X	X	Note 1, 2
Ch 16 (156.800 MHz)	X	X	X (DF)	X	X	Note 3
Ch 22A (157.100 MHz)	X	X		X	X	Government to non-government liaison frequency
Ch 6 (156.300 MHz)	X	X	X (DF)	X	X	For SAR or safety purposes only
<p>NOTES:</p> <p>Note 1: Channel 83A (157.175 MHz) must not be used in areas where interference with Canadian users of this frequency is possible.</p> <p>Note 2: Facilities only need the appropriate group/sector/district VHF-FM working frequencies for the operation area. The Director of Auxiliary, with the approval of the cognizant District Chief of Telecommunications, may also authorize facilities to use secondary Coast Guard working frequencies on a sole use or shared basis.</p> <p>Note 3: The following limitations apply to Auxiliary aircraft use of VHF-FM marine band and non-marine VHF working frequencies:</p> <ul style="list-style-type: none"> • Aircraft must not use air-to-air VHF-FM except when needed for a common band on multiple unit SAR operations. • Aircraft must use 1-watt power output. Higher power may be used ONLY when needed to ensure communications. • Aircraft must not transmit on VHF-FM frequencies when operating 3000 feet above ground level. The only exception is in an emergency or when no other means of communications with a Coast Guard or Auxiliary ground station is available. • Aircraft must monitor Channel 16, or the Coast Guard working channel specified by the controlling base station, if practical. 						



**J.3. Maritime
Mobile Service
Identity**

Digital Selective Calling for VHF-FM and HF/MF marine bands requires a Maritime Mobile Service Identity (MMSI) code.

Member-owned vessel facilities are expected to acquire an MMSI as a civilian vessel. Auxiliary Unit vessels, aircraft facilities, and radio facilities are not authorized civilian MMSI codes. A request for a Coast Guard-based MMSI code should be made using the process provided in *paragraph G.2 of Annex 4*, and include specific operational plans for the use of the MMSI-coded radio.



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