

AUXCOM Corrections/Changes

CHAPTER ONE - BASIC MARINE RADIOTELEPHONE SYSTEMS NOMENCLATURE  
AND THEORY

B. COMMUNICATIONS NOMENCLATURE

1.c. Hertz

**1,000 Hz** equals one megahertz (MHz) should read **1,000 kHz** equals one megahertz (MHz).

B.2. toward end of paragraph, NTIA controls **frequencies**.

B.3. last sentence – the two fields move **outward**.

C.3. 2<sup>nd</sup> sentence - Therefore, in a uniform medium, **when** one receiving point

C.4. a) **An** ionospheric

C.4. b) **A** tropospheric

C.8. Repeat of C.6.

E.1. Last sentence - VHF-FM (156-162 **MHz**) system.

E. Has 2 paragraph 2's.

E. 3. At end of paragraph.

Some commonly used frequencies in this system together with their **uses are listed below**. Asterisk (\*) commercial vessels may also use for business.

G. 2. - mid para - marina operator to **conduct business**.

G. 5. – repeat of G. 4.

Table 1-2 VHF Marine Channels

13 - 2nd sentence - 20 **meters in length**

15 - **only** - used

16 - **156.800 needed in receive box radio; USCG**

22A Coast Guard Liaison and Maritime **Safety Information Broadcasts (announced on Channel16)**

63A **VTS (available only in New Orleans and lower Mississippi area)**

67 Commercial - **used for Bridge-to-Bridge** communications in **lower Mississippi River, (Intership only)**

81A dash between only and **environmental**

M. 4. - Last sentence - This can be accomplished in various **ways, with**  
nut should be but

M. 5. - Last sentence - when not in **use. Do not activate**

M. 6. - beginning on line 8 - Feed lines should be **rotated to** avoid sharp bends or kinks.

Study Qs

15 d **Only** horizontal antennas

## CHAPTER TWO - VOLUNTARILY INSTALLED MARINE RADIOTELEPHONE STATION REGULATIONS

B. 3.a. FCC field office **or** on line.

4.a. first line - **ship's**

C.1.a) 1st line **voluntarily**

D.3. a) (5) Brief operating signals, (**such** as agreeing on a working **channel**).

E.3. e) All transmissions on inter-ship working frequency between two **or** more stations

F.3. a) A station license, if required, **is** issued by the FCC, **and** must

G. 2. a) 2nd sentence - metallic hull **of** a vessel

end of 3rd sentence - **will suffice**.

K. 3. b) 2nd sentence - The burdon is **on licensees**

3rd sentence - take advantage **of** defense

L. 2. a) 2nd sentence - and not **so** loud **as** to be

L. 3.a) **OUT** means "my transmission has ended and I do not expect an answer". **OVER** means "Go ahead or this is the end of my transmission a reply is expected".

4. a) last sentence - transmitted as "Group, I **spell, Golf**

5. e) When an operator of a radiotelephone station permits another person **to** talk on the air, **the operator is still** responsible for the proper operation of the station.

M. 3. a) sentence 3 - Picture a shipboard display system (e.g. radar, ECDIS, chart plotter,, etc.) **with overlaid** electronic chart data that includes a mark for every significant ship within radio range; each **with a velocity vector as desired (indicating** speed and heading).

7. sentence 4 - direction-finding **capability. Using**

## CHAPTER THREE - CALLING AND ANSWERING PROCEDURES

A. 2. a) - 2nd sentence - change turned on to **activated**

b) - take out when necessary - start with **The** identification

3. b) - change turned on to **activated**

B. b) will **be used** for the receipt of calls from other stations.

C. e) 2nd sentence - illegal to call a Coast Guard station **on** Channel 16 - also same sentence - deficiencies **in station** radio equipment.

D. a) of this **chapter**

Study Qs

2. MHz **band**

d) Change to "Yes, but only for commercial vessels."

For both the Student Study Guide and the Instructor's Guide

3. At the end of your call to initially establish radio contact with another vessel what pro-  
word should be used? (*page 2*)

- a. Out
- b. Roger
- c. Wilco
- d. **Over**

#### CHAPTER FOUR - DISTRESS, URGENCY, AND SAFETY MESSAGES

B. 3. 1st sentence - all other **transmissions, even** (Pan Pan

B. 6. a) (6) the state number is usually requested too

B. 7. - 6th line AFLOAT is jammed against MORE

B. 12. (5) When a vessel transmits a distress **message** under

B. 14. a) 1ST sentence - **pronounced**

B. 16. 1<sup>st</sup> sentence should read - Distress radio beacons, also known as emergency

B. 16. b) (1) (a) **An EPIRB is** used

B. 16. b) (1) (e) items i thru vi - After the class type (e.g. Class A) insert EPIRBs

B. 16. b) (1) (e) ii - MHz (**manual version of Class A**).

B. 16. b) (1) (e) v - MHz **are** automatically activated **and** float **free. Detectable**

B. 16. b) 1) (e) (vi) Category II **EPIRBs** 406/121.5 MHz **are** similar to category I EPIRBs,  
except manually activated. Some models are also water activated.

B. 16. b) (3) (c) **highly accurate**

B. 16. b) (4) (d) **database permits**

B. 16. b) (5) (e) to ensure that **the** EPIRB is registered.

B. 17. f) 406 MHz **frequency** allows

B. 17. h) ground-based receivers **located at** airports **and air** traffic control facilities or **by overflying** aircraft.

B. 18. **Beacon**

## CHAPTER FIVE - AUXILIARY COMMUNICATIONS SYSTEM

B. 1. 4) (1) Owners and operators of fixed land, land mobile, or RDF facilities must complete the Auxiliary Telecommunications Operator Personal Qualification Standard (TCO PQS) training or must have completed the Communications Specialty (AUXCOM) course prior to 1 August 2008".

J.1. includes AUXOP members as authorized to conduct radio facility inspections. This is no longer correct. Auxiliary Communications Unit (ACU) inspections may be conducted by a Telecommunications (CM) staff officer at any level.

M. 2. b) An Auxiliary Communications Watchstander at an Auxiliary facility must have completed the TCO PQS after August 1, 2008 or the Auxiliary Communications Specialty Course prior to August 1, 2008, and any other requirements established by the DIRAUX.

## CHAPTER SIX – MESSAGES

The Date-Time-Group is UCT.

Figure 6-1 Standard Time Zones

Correct the table to read West is - East is + and Z is 0

B. 2. a. (1) (g) change Date-Time Group 0506302 to 050630Z  
change Date-Time Group 1623152 to 162315Z

Question 7. a) UTC should be UCT

## CHAPTER ELEVEN - COMMUNICATIONS STAFF OFFICER RESPONSIBILITIES

B. DIVISION STAFF OFFICER FOR COMMUNICATIONS (SO-CM)

b) initiate and maintain contact with the **District** Staff Officer for Communications (DSO-CM).