



Third Class Radiotelegraph Operator's Certificate

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In radiotelegraphy the Safety Signal is:

TTT TTT TTT

If you are standing by because other stations have been carrying on distress traffic and you hear one of them transmitting a general call followed by QUM, you would know that:

The distress traffic has ended

The radio silent period of the maritime service beginning at 15 minutes and 45 minutes past the hour on 500 kilocycles is for the purpose of:

Listening for distress calls

What time does the serial numbering of radio message begin?

Both A and B

The procedure of radiotelegraph transmission in which one station calls another is:

WCXY WCXY WCXY DE KMEX KMEX KMEX K

What is an indicator that the receiver is being tuned to an image frequency?

**Hearing a given radiotelegraph transmitting station at more than one place on the tuning dial of the receiver
The image frequency signal will be weaker than the signal level received when the receiver is set to the proper frequency of the transmitting station**

Both A and B

In an automatic key (or bug), spacing of the stationary dot contact ____ so that when the dot lever is pressed and held over should be adjusted:

So the instrument will make 12 to 30 clear dots

The radiotelegraph abbreviation for "waiting period" is:

AS

A signal which means "received" in radiotelegraph communications is:

R

The radiotelegraph abbreviation for "Please advise me if you note an error in the bearing given" is:

DG

The radiotelegraph abbreviation for "I have nothing to send to you" is:

NIL

The radiotelegraph abbreviation used as a prefix to indicate reply to PTR is:

TR

The radiotelegraph abbreviation used after a question mark usually is:

A request for a repetition

What Q-signal would be used to ask "Shall I send faster?"

QRQ

What Q-signal would be used to ask "Can you communicate with ____ direct or by relay?"

QSO

What Q-signal would be used to ask "What is your speed?"

QTJ

What Q-signal would be used to ask "Have you received a distress signal sent by ____ (call sign)?"

QUF

What Q-signal would be used to ask "Will you indicate the magnetic course for me to steer towards you with no wind?"

QUX

In transmitting the radiotelegraph Distress Signal:

The signal should be transmitted at maximum power if possible

QRL means:

I am busy

As a general rule radiotelegrams transmitted by a ship radiotelegraph station are to be numbered in a separate series for the traffic:

Each day to each separate land station

Code or cipher groups are often used in radiotelegraph messages for:

Security reasons

The procedure of radiotelegraph transmission in which one station answers the call of another is...?

KMEX KMEX KMEX DE WCXY WCXY WCXY R K

The contact opening of a radiotelegraph transmitting relay should be usually adjusted for about:

1/16 inch

The dot speed adjustment weight of an automatic key (or bug) should be set:

So that the instrument makes dots at a speed proportioned to the speed at which the operator normally makes dashes

So that about 3 dots are made in the same time the operator makes one dash

So that for practical operating speeds from 20 to 40 wpm, there will be a dot speed of from 8 to 16 dots per second

All of the above.

The radiotelegraph abbreviation requesting a repetition of all sent after a specific word is:

?AA

A signal which means "wait" in radiotelegraph communications is:

AS

The radiotelegraph abbreviation for "Bearing doubtful in consequence of the bad quality of your signal" is:

DI

The radiotelegraph abbreviation for "Now" is:

NW

The radiotelegraph abbreviation which constitutes the safety signal when sent three times is:

TTT

Cipher language is composed of ____ of no apparent meaning.

Words

Names

Combination of letters

All of the above.

What Q-signal would be used to ask "Are you ready for automatic operation?"

QRR

What Q-signal would be used to ask "Will you relay to ____ free of charge?"

QSP

What Q-signal would be used to ask "What is the speed of your aircraft in relation to the surface of the earth?"

QTK

What Q-signal would be used to ask "Will you be forced to land?"

QUG

What Q-signal would be used to ask "What is my true bearing from ____ (call sign)?"

QTE

In case of distress, urgency or safety, the speed of radiotelegraph transmission should not in general exceed:

Sixteen words per minute

The proper way for station KABC to call station WDEF is:

WDEF WDEF WDEF DE KABC KABC KABC

When a station in the maritime mobile service is calling CQ and the call is not followed by K, the transmitted message:

Is intended for anyone who can intercept it

Figures or odd symbols are collected:

To make certain of their accuracy

A station that handles paid or toll radio messages for the general public at established rates, is open to:

Public correspondence

The contact opening of a manual radiotelegraph transmitting relay should be:

Less for high speed operation

The dot speed adjustment weight of an automatic key (or bug) should be set:

So that the practical operating speeds from 20 to 40 wpm, there will be a dot speed of from 8 to 16 dots per second

The radiotelegraph abbreviation used to interrupt a transmission in progress is:

BF

An operating signal used to mean "repeat" in radiotelegraph communications is:

RPT

The radiotelegraph abbreviation for "Bearing doubtful because of interference" is:

DJ

The radiotelegraph abbreviation for "We agree (or it is correct)" is:

P

The radiotelegraph abbreviation for "Thank You" is:

TU

The radiotelegraph abbreviation with no question mark is:

A statement

What Q-signal would be used to ask "Shall I send more slowly?"

QRS

What Q-signal would be used to ask "Have you a doctor on board {or ... Is (name of person) on board}?"

QSQ

What Q-signal would be used to ask "What is your true heading?"

QTL

What Q-signal would be used to ask "Will you give me the present barometer pressure at sea level?"

QUH

What Q-signal would be used to ask "What is the true bearing of ____ (call sign) from ____ (call sign)?"

QTE

In testing a radiotelegraph transmitter the operator generally makes use of the signal:

VVV VVV

The proper way for station WDEF to answer station KABC is:

KABC KABC KABC DE WDEF WDEF WDEF K

A land station receiving a distress message must immediately take the necessary action to:

Notify the authorities participating in the operation of rescue facilities

Figures or odd symbols are ____ to make certain of their accuracy:

Collected

How should the speed of transmission of radiotelegraph signals be determined?

In accordance with the desire of the receiving operator

Side adjustments of a manual radiotelegraph transmitting relay:

Both A and B

Sometimes misalignment of a receiver will cause an unwanted signal to get through to the first detector causing an intermediate frequency signal which passes through the receiver normally. Such a signal is called:

Image interference

The radiotelegraph abbreviation used to request a repetition of all between - and - is:

?BN

If a called radiotelegraph station is busy, the calling station may be advised to anticipate a return call by sending:

QRX

The radiotelegraph abbreviation for "Bearing doubtful" as on "for another bearing later" is:

DO

The radiotelegraph abbreviation for "Preamble" is:

PBL

The radiotelegraph abbreviation for "Text" is:

TXT

To make a radiotelegraph abbreviation a question:

Proceed it with a question mark

What Q-signal would be used to ask "Have you anything for me?"

QRU

What Q-signal would be used to ask "Shall I send or reply on this frequency {or on ___ kHz (or MHz)} with emissions of class ___?"

QSU

What Q-signal would be used to ask "At what time did you depart from ____ (place)?"

QTN

What Q-signal would be used to ask "Are your navigation lights working?"

QUI

What Q-signal would be used to say "The name of my station is ____"?

QRA

If a radiotelegraph station transmits 1 - - 2, the receiving operator would copy:

I I/2

Radio operators listening to CW signals for long periods may get relief from hearing fatigue by:

Changing the tone of the signal

A conventional hand telegraph key is sometimes adjusted for speed by:

Adjusting the key spring tension and contacts separation

Receiving conditions are bad. What operating signal would be used to request each word or group twice?

QSZ

What is the result of a long period of listening to CW telegraph signal of continuous tone?

Hearing fatigue of the operator

Proper alignment and free vertical movement of the arm of a manual radiotelegraph transmitting relay are accomplished by:

Side adjustments

To obtain maximum response to weak signals in a super-heterodyne receiver:

R-F gain control should be fully advanced

BFO control varied for the clearest tone

ABC switched off

All of the above.

The radiotelegraph abbreviation used to reply to and RQ (indication of a request) is:

BQ

QRZ? means:

Who is calling me

The radiotelegraph abbreviation for "Possible error of bearing may amount to ____ degrees" is:

DP

The radiotelegraph abbreviation used by a coast station to request the position and next port of call of a mobile station is:

PTR

The radiotelegraph abbreviation to request a repetition of a "Text" is:
?TXT

To make a radiotelegraph abbreviation a statement:
Use no question mark

What Q-signal would be used to ask "Are you ready?"
QRV

What Q-signal would be used to ask "Will you send on this frequency {or ____ kHz (or MHz)} with emissions of class ____?"
QSW

What Q-signal would be used to ask "Have you left dock (or port)?"
QTO

What Q-signal would be used to ask "Will you indicate the true course for me to steer toward you with no wind?"
QUJ

What Q-signal would be used to say "I am busy. Please do not interfere?"
QRL

The preamble of a radiotelegram is usually prepared by the:
Office of origin of the message

The speed of transmission of radiotelegraph signals in routine communications should not exceed:
The maximum speed that the receiving operator can receive accurately

An eligible person may:
Hold only one class of valid radiotelegraph operator's certificate

A service message refers to:
A message handled previously

How can an operator relieve hearing fatigue caused by a long period of listening to a CW telegraph signal of constant tone?
Vary the frequency of the tones with the BFO control

To adjust a manual radiotelegraph transmitting relay for high speed:
Adjust the spring tension to the individual's comfort requirements

How should a superheterodyne receiver be adjusted for a maximum response to strong CW signals?
Automatic volume control may be left on
R-F gain control should be somewhat reduced
The BFO should be varied for the desired output frequency
All of the above.

The radiotelegraph abbreviation used for "yes" is:
C

What is the radio distress signal?
Three dots, three dashes and three dots continuously

The radiotelegraph abbreviation for "Adjust your transmitter, the minimum of you signal is too broad" is:

DS

The radiotelegraph abbreviation for "Received" is:

R

The radiotelegraph abbreviation for "End of work" is:

VA

What Q-signal would be used to ask "How far approximately are you from my station?"

QRB

What Q-signal would be used to ask "Shall I inform ____ that you are calling him on ____ kHz?" (or MHz)

QRW

What Q-signal would be used to ask "Will you listen to ____ {call sign(s)} on ____ kHz (or MHz)?"

QSX

What Q-signal would be used to ask "Are you going to enter dock (or port)?"

QTP

What Q-signal would be used to ask "Can you tell me the condition of the sea observed at ____ (please)?"

QUK

What Q-signal would be used to say "Increase power"?

QRD

A radio telegram usually consists of:

Preamble, address, text and signature

A system of radiotelegraphy in which the receiving operator can press his key and signal the transmitting operator to interrupt his transmission is called:

Break-in operation

What class of station may not be operated by a third class radiotelegraph permit holder?

Television broadcast station

Class 1-b, 2-b, 3-b coast stations

Ship station open to public correspondence by telegraphy

All of the above.

Why are "Q" signals used in radiotelegraph communications?

They permit a short transmission time in handling of common phrases

They are used internationally and overcome language problems

Both A and C

What is a cause of hearing fatigue?

A long period of listening to a CW telegraph signal of continuous tone

With a "bug":

Dashes are made manually

The dot speed is set by weights on the arm of the "bug"

Dot-contact speed of usually about 1/8 inch is used

All of the above.

A system whereby the receiving operator may interrupt the transmitting operator at any point is:

A break in operation

Accomplished with a relay which changes the antenna from receiving to transmitting

Both A and B

The radiotelegraph abbreviation used for "I confirm" is:

CFM

What is the radiotelegraph urgency signal?

XXX

The radiotelegraph abbreviation for "I cannot furnish you with a bearing; the minimum of your signal is too broad" is:

DT

The radiotelegraph abbreviation for "Refer to ____" is:

REF

The radiotelegraph abbreviation for "Word(s)" or "group(s)" is:

W

What Q-signal would be used to ask "By what private enterprise (or state administration) are the accounts for charges for your station settled?"

QRC

What Q-signal would be used to ask "When will you call me again?"

QRX

What Q-signal would be used to ask "Shall I change to transmission on another frequency?"

QSY

What Q-signal would be used to ask "Can you communicate with my station by means of the International Code of Signals?"

QTQ

What Q-signal would be used to ask "Can you tell me the swell observed at ____ (please)?"

QUL

What Q-signal would be used to say "Your keying is defective"?

QSD

The preamble to a radiotelegram usually contains the:

Date of filing

When receiving CW signals through interference:

The crystal filter switch should be on

Who is not authorized to make technical adjustment to a radiotelephone transmitter?

3rd class radiotelegraph holder

In using "Q" signals to ask a question, you:

Follow the Q signal with a question mark

What is meant by a break in operation at a radiotelegraph station?

When the key is up, the station is capable of receiving a signal
Automatic switching between receiving and transmit modes of the station
Both stations are capable of interrupting each other
All of the above.

Spring tension of a properly adjusted "bug":

Is such that 12 to 30 clear dots are sent continuously when the dot lever is held on the keying position

A station which handles toll messages is a station:

Open to public services

The radiotelegraph abbreviation used for "I am closing my station" is:

CL

What is the radiotelegraph safety signal?

TTT

The abbreviation for "Your bearing is reciprocal, (to be used only by the control station of a group of direction-finding when it is addressing stations of the same group)" is:

DZ

The radiotelegraph abbreviation for "I repeated or Repeat" is:

RPT

The radiotelegraph abbreviation for "Word after ___" is/:

WA

What Q-signal would be used to ask "Where are you bound and where are you from?"

QRD

What Q-signal would be used to ask "What is the strength of my signals?"

QSA

What Q-signal would be used to ask "Shall I send each word or group more than once?"

QSZ

What Q-signal would be used to ask "What is the correct time?"

QTR

What Q-signal would be used to ask "Will vessels in my immediate vicinity please indicate their position, true course and speed?"

QUN

What Q-signal would be used to ask "I have been unable to break in on your transmission"?

QSI

The service prefix on a radiotelegram is used to indicate the:

Class of handling or charge rate

If a radio receiver blocks on the reception of strong A2 signals:

The RF gain should be reduced

Who is authorized to make technical adjustments to a radiotelegraph transmitter?

- 1st class radiotelegraph operator permit holder**
- 2nd class radiotelegraph operator permit holder**
- 3rd class radiotelegraph operator permit holder**
- All of the above.**

The "Q" signal for "The name of my station is..." is:

QRA

What kind of operation allows two stations to interrupt each other, informing the sending station immediately when the receiving station has missed a part of the message?

Break in

With a "bug":

Contact spacing of the dash arm is set between 1/32 and 1/16 inch

A code designation made up from 2 to 4 letters as the first part of the preamble of a radiotelegraph message:

Both A and B

The radiotelegraph abbreviation for "Collate" is:

COL

What speed of radiotelegraph code transmission must not, in general, be exceeded in cases of distress, urgency or safety?

16 wpm

The abbreviation used to separate the call sign of the station called from the call sign of the calling station is:

DE

The radiotelegraph abbreviation for "Indication of a request" is:

RQ

The radiotelegraph abbreviation requesting a repetition of "Word after" is:

?WA

What Q-signal would be used to ask "What is your ETA at ____?"

QRE

What Q-signal would be used to ask "Are my signals fading?"

QSB

What Q-signal would be used to ask "Shall I cancel telegram number ____ as if it had not been sent?"

QTA

What Q-signal would be used to ask "Will you send your call sign for ____ minutes...so that your frequency may be measured?"

QTS

What Q-signal would be used to ask "Shall I search for (1. Aircraft; 2. Ship; 3. a survival craft;) in the vicinity of ____ latitude ____ longitude?"

QUO

Word count in a radiotelegram indicates:

The number of chargeable words in the radiotelegram

When receiving type A2 signals on a receiver:

The BFO is generally turned off

The operator on duty at a manually operated radiotelegraph station normally posts his license or permit:

At the place where he is on duty

On his person

Both A and B

The "Q" signal for "Are you being interfered with?..." is?

QRM?

In a receiver designed for both radiotelephone and radiotelegraph reception, how should the AVC control be set for reception of CW radiotelegraph signals?

It's OFF position

Fast AVC can be used to advantage in the reception of radiotelegraph signals

Both A and B

An automatic key or "bug" should be properly adjusted to send good readable radiotelegraph signals. The dash arm should be adjusted for:

Proper alignment

Required spacing

Proper spring tension

All of the above.

A service prefix of a radiotelegraph message:

Contains direction for handling

The radiotelegraph abbreviation for a general call to two or more specific stations is:

CP

What radiotelegraph signal is generally used to call all stations?

CQ

The radiotelegraph abbreviation for "Here" is:

ER

The radiotelegraph abbreviation for "Signature" is:

SIG

The radiotelegraph abbreviation for "Word before ____" is:

WB

What Q-signal would be used to ask "Are you returning to ____?"

QRF

What Q-signal would be used to ask "Are you a cargo vessel?"

QSC

What Q-signal would be used to ask "Do you agree with my counting of words?"

QTB

What Q-signal would be used to ask "What are the hours during which your station is open?"

QTV