

INSTRUCTIONS

1. These procedure signals are an essential part of communication procedure, and shall be always available to operators for use with Army, Navy, and Coast Guard stations. Instructions for their use are contained in Communication Instructions, U. S. Navy, and in Joint Army and Navy Radiotelegraph and Radiotelephone Procedure. THEIR USE MUST BE CAREFULLY SUPERVISED.

2. The signals are divided into two parts: "Joint (Army and Navy)"; and "Navy Use Only." The first part is for use between the Army, Navy, and Coast Guard and within these services; the second part is for use only within the Navy or Coast Guard.

3. Signals marked with an asterisk (*) shall be carried in aircraft; the entire list may be carried.

4. Procedure signals are messages and shall be used only when necessary. They shall be recorded in the log or on a message blank.

5. Plain language shall not be used with these signals. Where signals fail to convey the meaning desired, a properly released dispatch shall be used.

6. $\overline{\text{INT}}$ may be used *preceding* a signal to indicate an interrogatory sense when a signal with the desired interrogatory meaning is not listed. The signal "ZZB" may be used *preceding* a signal to give a negative sense in case a signal with the desired negative meaning is not listed. (See examples.)

7. All blanks, except those within parentheses, must be filled in; use of blanks in parentheses is optional. Data for blanks shall appear in the same order as the blanks in the signal. Stations, addresses, and locations shall be indicated by call signs and addresses from call books. Time shall be indicated by a four-numeral group. Dates may be indicated by numerals separated from the dispatch identification data by a slant (/) sign. Signals may be separated by space signs to prevent misinterpretation.

4-7954

INSTRUCTIONS

- | | |
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| (S) SIGNALS, SIGNAL STRENGTH, READABILITY | (T) TIME AND TRANSMISSIONS |
| (W) WATCHES AND SCHEDULES | (X) AUTOMATICS |
| (Z) MISCELLANEOUS | READABILITY AND SIGNAL STRENGTH TABLES |

EXAMPLES

8. Readability and signal strength tables. (See examples.)

9. Changes or additions to signals for only by the Chief of Naval Operations; changes for "Joint (Army and Navy)" use may be War and Navy Departments. Authorized recorded in the "Record of Changes."

(A) ANSWERING—AIRCRAFT

ZAA* You are causing delay by slowness in answering.

ZAB* You are causing confusion by answering out of order.

ZAC* Answer in alphabetical order of call signs.

ZAD* Answer me (or -----) on ----- kc.

ZAE* Am reeling in antenna ----- (1. Before landing; 2. To rejoin formation).

ZAF* Am forced to land (at or near -----) because of ----- (1. Fire; 2. Collision; 3. Engine failure; 4. Out of gas).

ZAG -----

ZAH -----

ZAI -----

ZAJ -----

ZAK -----

ZAL -----

Navy Use Only

ZAM I am using this transmitter to answer calls on two or more frequencies.
Answer to calls may be delayed.

ZAN -----

ZAO -----

ZAP -----

ZAQ -----

ZAR -----

ZAS -----

(C) CALLING—COMMUNICATION

- ZCA Are you (or is) in communication with (by)
(1. Radio; 2. Wire; 3. Visual)?
- ZCB I am (or is) in communication with (by)
(1. Radio; 2. Wire; 3. Visual)!
- ZCC Call me again at (on kc).
- ZCD Following is what I (or) sent (at).
- ZCE I have (or has) been calling you (on kc).
- ZCF I (or) will call you again as soon as I (he) can (or at)
(on kc).
- ZCG Inform that I have (or has) been calling him (on
..... kc).
- ZCH Cease listening for messages from
- ZCI Listen in for messages from (on kc).
- ZCJ You were (or was) sending at the same time as
- ZCK Transmit message(s) without preliminary call-up.
- ZCL Make (or direct to make) preliminary call-up before trans-
mitting traffic.
- ZCM Collective (or net) call sign for the present includes.....
- ZCN
- ZCO
- ZCP

Navy Use Only

- ZCQ What is call sign of ship which is acting as flagship for ?
- ZCR Call sign of ship acting as flagship for is
- ZCS Did you (or) hear (at)?
- ZCT I have (or has) been unable to communicate with
(since).
- ZCU I (or) last heard at

(D) DIRECTION FINDER

- ZDA* Transmit "MO's" and call signs (on kc).
- ZDB* Report bearings by direction finder in plain English.
- ZDC* What is my bearing (code understood if not followed by ZDB)?
- ZDD* Your bearing in code was at
- ZDE* Your bearing in plain English was at
- ZDF* Your bearing from was (and distance from was) at
- ZDG* Bearing furnished you is (1. Bilateral; 2. Unilateral).
- ZDH* I am unable to furnish you (or) bearing now. Call again in minutes.
- ZDI* I am (or is) now ready to furnish you (or) with radio direction-finder bearings.
- ZDJ* I am (or is) unable to furnish reliable bearings due to (1. Night effect; 2. Poor minimum; 3. Uncalibrated sector; 4. Weak signals; 5. Poor note; 6. Interference; 7. Uncalibrated frequency; 8. Poor cross).
- ZDK* What is my bearing and distance from you (or)?
- ZDL* What is reciprocal of bearing just furnished me by you (or)?
- ZDM* Reciprocal of bearing just furnished you by me (or) is
- ZDN* Bearings appear to be reliable.

ZDO

ZDP

ZDQ

ZDR

Navy Use Only

ZDS

ZDT'

ZDU

ZDV

(E) EQUIPMENT, ADJUSTMENTS OF EQUIPMENT

ZEA I am (or is) going to use

ZEB Use

ZEC I am (or is) unable to use

ZED My (on kc) is out of commission.

ZEE Repairs completed. Am in commission now.

ZEF I have adjusted my (1. Radiating system; 2. Power).

ZEG Cease using

ZEH I am (or is) using

ZEI Your appears to be defective (on kc).

ZEJ Your key or relay appears to be sticking.

ZEK Your speed key is improperly adjusted.

ZEL

.....

ZEM

.....

ZEN

.....

ZEO

.....

ZEP

.....

Navy Use Only

ZEQ How is my note?

ZER Your note is (1. Good; 2. Poor; 3. Rising and falling;
4. Over-modulated; 5. Under-modulated).

ZES Your dots are (1. Too heavy; 2. Too light).

.....

ZET

.....

ZEU

.....

(F) FREQUENCY, FREQUENCY ADJUSTMENTS

- ZFA* I must shift to work another station (or).
- ZFB Frequency mc.
- ZFC Frequency kc.
- ZFD* Send V's on this frequency (or kc).
- ZFE* I am (or is) shifting to transmit on kc (at.....).
- ZFF* I am (or is) shifting to receive on kc (at).
- ZFG* I am (or is) able to receive on kc.
- ZFH* I am (or is) able to transmit on kc.
- ZFI* Shift (or direct) to receive on kc.
- ZFJ* Shift (or direct) to transmit on kc.
- ZFK* Shift (or direct) to transmit and receive on kc.
- ZFL* What frequency are you (or is) using (to work)?
- ZFM* How does my frequency check?
- ZFN* Your frequency is correct.
- ZFO* Your frequency is too high (or is kc too high).
- ZFP* Your frequency is too low (or is kc too low).
- ZFQ* Your frequency is kc.
- ZFR* Adjust your transmitter frequency to zero beat with mine (or with).

Navy Use Only

- ZFS Adjust transmitter to proper frequency (or to kc).
- ZFT Transmit on kc. If I do not hear you within 20 minutes I will shift back to present frequency.
- ZFU I am going to transmit on kc. If you do not answer within 20 minutes I will shift back to present frequency.
- ZFV Measure your (or) frequency on this circuit (or on kc).

(G) NET CONTROL (ARMY), GUARDS (NAVY)

ZGA Indicate ships or stations for which you are radio guard (net control station (on kc)).

ZGB Take over radio guard or net control for (until).

ZGC Are you (or is) radio guard or net control station for (on kc)?

ZGD I am (or is) radio guard or net control station for (on kc).

ZGE

ZGF

ZGG

ZGH

ZGI

Navy Use Only

ZGJ Guard (or direct to guard) intercept schedules for until further orders.

ZGK I am controlling (or will control) this frequency (or kc).

ZGL

ZGM

ZGN

ZGO

ZGP

(L) LIST OF TYPES AND MEANS OF COMMUNICATION

- ZLA CW.
- ZLB ICW.
- ZLC Type or model transmitter.
- ZLD Type or model receiver.
- ZLE Landline or cable (1. Telegraph; 2. Telephone).
- ZLF Visual.
- ZLG Radio (1. Radio beacon; 2. Aircraft radio; 3. Field radio;
4. Radiotelegraph; 5. Radiotelephone).
- ZLH
- ZLI
- ZLJ
- ZLK
- ZLL

Navy Use Only

- ZLM Supersonics.
- ZLN Automatic (1. Recorder; 2. Perforator; 3. Keying head).
- ZLO Sound.
- ZLP Facsimile.
- ZLQ Use visual method (1. Semaphore; 2. Large searchlight; 3.
Small searchlight; 4. Blinker; 5. Blinker tube).
- ZLR
- ZLS
- ZLT

(M) MESSAGES, TRAFFIC

- ZMA I have (or has) messages (numeral indicating number of messages may be followed by O or P to indicate precedence) for you (or).
- ZMB Following received from (at).
- ZMC Fragments only received (from).
- ZMD Have you received SOS just made (or made by at)?
- ZME The following is heading of message as received. Check to station of origin if necessary and repeat.
- ZMF Unable to locate message(s) Give better identification data.
- ZMG This message is in error—disregard it.
- ZMH How do you count following test group(s) ?
Word (or words) should be counted as
group(s).
- ZMI Hold my message number until correctness is confirmed.
- ZMJ
- ZMK
- ZML
- ZMM

Navy Use Only

- ZMN I have (or has) class messages to transmit on this frequency (or kc).
- ZMO Inform me at what time and through what station message was passed.
- ZMP Pass this message (or message) to ships for which you are responsible (or to).
- ZMQ Repeat message (or portion indicated).
- ZMR Following is the answer to request for repetition.
- ZMS Spelling of group in message apparently incorrect, but message is being forwarded exactly as received.
- ZMT This message is retransmitted to you for (1. Action; 2. Information).
- ZMU Last word received from you (or) was
- ZMV Following is what I received from at

(N) STATION SERIAL NUMBERS

ZNA What was station serial number of last message received from this station (or from -----)?

ZNB Station serial number of last message received from you (or from -----) was -----

ZNC What was station serial number of last message you transmitted to me (or to -----)?

ZND Station serial number of last message transmitted to you (or to -----) was -----

ZNE Number ----- from ----- is blank.

ZNF Repeat all before group 1 of message number ----- to number ----- transmitted (or transmitted by -----) to straighten out confusion in serial numbers.

ZNG Two messages, reference numbers ----- and ----- (or group counts and time of origin ----- and -----), both received as serial number ----- Designate correct serial number.

ZNH Change serial number of message with reference numbers ----- (or group count and time of origin -----) to serial number -----

ZNI Prior to closing station records, last message transmitted to you (or to -----) was message number -----; last message received from you (or him) was message number -----

NOTE.—Repeat for as many stations as necessary to complete check.

ZNJ -----

ZNK -----

ZNL -----

ZNM -----

ZNN -----

Navy Use Only

ZNO Your number ----- not received; repeat or make blank.

ZNP -----

ZNQ -----

ZNR -----

ZNS -----

ZNT -----

(O) OPERATING

- ZOA Send at speed of words per minute.
- ZOB Your (1. Characters are indistinct; 2. Words are poorly spaced; 3. Transmitter or key missing dots).
- ZOC Has executive sign (signal of execution) for last message (or for message following) been made?
- ZOD Transmit your message in strings of
- ZOE I am going to transmit my messages in strings of
- ZOF Cease using speed key.
- ZOG
-
- ZOH
-
- ZOI
-
- ZOJ
-
- ZOK
-
- ZOL
-

Navy Use Only

- ZOM Use speed key if qualified to do so.
- ZON Last message did not require a signal of execution.
- ZOO There is (are) message(s) on this circuit awaiting signal of execution.
- ZOP Following is text of message addressed for action to which was executed at:
- ZOQ Receipt through for traffic sent blind to you.
- ZOR You are (or is) causing interference by (1. Excessive testing; 2.).
- ZOS Who is interfering with you (or with)?

(P) FACSIMILE

- ZPA -----
- ZPB -----
- ZPC -----
- ZPD -----
- ZPE -----

Navy Use Only

- ZPF Use synchronizing speed of -----
- ZPG Your speed is ----- (1. Too fast; 2. Too slow; 3. (Motor) out of control).
- ZPH Transmit ----- (1. Synchronizing signals; 2. Longhand written matter; 3. Printed matter; 4. Picture).
- ZPI I am going to re-run picture.
- ZPJ Re-run last transmission.
- ZPK Reception ----- (1. Poor; 2. Fair; 3. Good; 4. Excellent; 5. Impossible; 6. Impossible due to echo).
- ZPL I am receiving you with slant to the right; adjust your alignment control ----- to the right.
- ZPM I am receiving you with slant to the left; adjust your alignment control ----- to the left.
- ZPN Alignment correct.
- ZPO Your residual too strong.
- ZPP Answer only by facsimile.
- ZPQ Your (or -----) transmitter is not keying (blocking) properly.
- ZPR Cease facsimile transmission and stand by to receive traffic on this circuit.
- ZPS Use hand key on facsimile circuit.
- ZPT Pictures ----- (1. Too heavy; 2. Too light).
- ZPU -----

(R) RETRANSMISSION, ROUTING, RELAYING, AND DELIVERY

- ZRA Forward this message (or message) by visual to
- ZRB Deliver (or direct deliver) message(s) via
(to).
- ZRC Act as relay between me (or) and
- ZRD Give me your message(s) for ; I will forward.
- ZRE Forward this message by wire (1. Collect; 2. Paid).
- ZRF Take no further action with regard to forwarding message (to
.....).
- ZRG Transmit this message now (or at) by (1. I method;
2. F method).
- ZRH Inform me when this message (or message.....) has been received
by addressee(s) (or by).
- ZRI Message..... has been received by the addressee (or by)
at
- ZRJ Pass following message to destination by..... (1. Hand; 2. U. S.
Postal Service; 3. Dispatch Mail).
- ZRK Distribute this message by dispatch where no charges are involved and
to all others by mail.
- ZRL How route traffic for?
- ZRM Route traffic for through (on kc).
- ZRN Have been unable to relay (or deliver) message..... to
(1. Will continue efforts to effect relay (or delivery); 2. Advise
disposition).

- ZRO
-
- ZRP
-
- ZRQ
-
- ZRR
-
-

Navy Use Only

- ZRS Station called (or station whose call sign precedes this signal) pass this
message (or message.....) by dispatch mail to destination (or to
station(s) whose call sign(s) follow(s) this signal).
- ZRT Route traffic for me (or for) via shore station "F" or "I"
method.
- ZRU
-
- ZRV
-
-

(S) SIGNALS, SIGNAL STRENGTH, READABILITY

ZSA* Can you receive? If so, what is his readability?

ZSB* I can receive Readability

ZSC Your signals fade (from strength to).

ZSD Decrease strength of signals.

ZSE Increase strength of signals.

ZSF What is my signal strength?

ZSG What is my readability?

ZSH

ZSI

ZSJ

ZSK

ZSL

ZSM

ZSN

Navy Use Only

ZSO

ZSP

ZSQ

ZSR

ZSS

ZST

(T) TIME AND TRANSMISSIONS

ZTA* I am (or is) going to make a timing signal for correcting clocks. The numerals indicating the time (and time zone plus or minus understood) will be followed by the executive sign—the 5-second dash—terminating exactly at the time indicated.

ZTB What is your time and time zone?

ZTC My time is zone time (plus or minus understood).

ZTD From to

ZTE* Until further orders (or until).

ZTF Established at (by).

ZTG* At

ZTH Did you (or) transmit anything for me? If so, please repeat.

ZTI Transmit traffic blind (or broadcast traffic) to me (or to on kc). I (or) will receipt for traffic later (on kc).

ZTJ Transmit only urgent or priority messages.

ZTK Routine messages may be transmitted now.

ZTL

ZTM

ZTN

ZTO

ZTP

Navy Use Only

ZTQ Transmit only class traffic on this frequency (or kc) until further orders.

ZTR Transmit by simultaneous keying on (.....,) and kc.

ZTS

ZTT

ZTU

(W) WATCHES AND SCHEDULES

ZWA* Close or secure (or direct to close or secure) your (his) station or watch (on kc).

ZWB* Are you (or is) maintaining continuous watch on kc?

ZWC* I am (or is) maintaining a continuous watch on kc.

ZWD* Request (or requests) permission to secure watch (or close station) on kc.

ZWE* I am (or is) securing watch (or closing station) on kc.

ZWF What stations are keeping watch on kc (or are in net)?

ZWG Following stations are keeping watch on kc (or are in net).

ZWH

ZWI

ZWJ

ZWK

Navy Use Only

ZWL Set (or direct to set) a continuous watch on kc.

ZWM Set (or direct to set) an intercept watch(es) on kc (and kc).

ZWN I am (or is) standing a split fone watch on and kc.

ZWO Did you (or) observe schedule with at ?

ZWP I (or) observed schedule with at

ZWQ Observe (or direct to observe) schedule with on kc.

ZWR

ZWS

ZWT

ZWU

(X) AUTOMATICS

ZXA -----

ZXB -----

ZXC -----

ZXD -----

Navy Use Only

ZXE Your tape is reversed.
ZXF I am unable to record due to ----- (1. Weak signals; 2. Noise level,
3. Echo; 4. Interference).
ZXG -----
ZXH Your relays appear to be ----- (1. Too light; 2. Too heavy;
3. Sticking).
ZXI -----
ZXJ Re-run number -----
ZXX Automatic keying (machine transmission).
ZXL Your perforator is making letter combinations.
ZXM Cut me through to ----- in ----- minutes.
ZNX Unable to cut you through for ----- minutes.
Z XO I am going to transmit to ----- (via you or -----). Will run
call tape; cut me through to him. Using automatic retransmission.
ZXP Increase speed ----- W. P. M.
ZXQ Decrease speed ----- W. P. M.
ZXR Transmit at ----- W. P. M.
ZXS -----

ZXT -----

ZXU -----

Z XV -----

(Z) MISCELLANEOUS

ZZA* Stand by.
ZZB* Negative, no, not.
ZZC* Affirmative, yes.
ZZD* Meaning of your (or’s) procedure signal (or procedure sign) is not understood.

ZZE

ZZF

ZZG

ZZH

ZZI

ZZJ

Navy Use Only

ZZK Via.
ZZL Number of speed-key certificate held by operator on this circuit (or on kc) is
ZZM Your (or’s) attention is invited to article, Naval Communication Instructions.
ZZN What are charges on this message (or my message)?
ZZO Charges on your message are cents.
ZZP This is a test message. Mail copy as received to office of origin.
ZZQ Forward to me (or to) on kc (1. Late press news; 2. Orders to officers).
ZZR is (are) in company with
ZZS Report when you are (or is) in communication with by (1. Radio; 2. Visual).
ZZT I will relay your call to S. O. P. A., whose call sign is
ZZU Call sign of incoming vessel is

READABILITY TABLE

Readability of signals is indicated after the procedure signs "K" and "R" by means of the readability table, as follows:

1. Unreadable.
2. Poor, but readable—make plain language messages through twice, code unreadable.
3. Fair—readable—plain language once slowly; make code messages through twice.
4. Good—readable—plain language or code once.
5. Perfectly readable.

Examples: AB v BC R4 or
AB v BC K5 (or as appropriate).

SIGNAL-STRENGTH TABLE

Signal strength may be indicated, when necessary, after the procedure sign "S" by means of the signal-strength table, as follows:

1. Very weak—hardly audible.
2. Moderately weak.
3. Medium strong.
4. Moderately strong.
5. Strong.

Examples: AB v BC S4 K or
AB v BC S3 AR

These numerals may be used, if necessary, to indicate strength of interference or static, following the procedure signs "W" or "X."

EXAMPLES

1. Use of "INT" and "ZB":

- (A)—(a) To express "I have been calling you on 2980 kc", the transmitting station sends "ZCE 2980."
- (b) To express "Have you been calling me on 2980 kc", the transmitting station sends "INT ZCE 2980."
- (c) To express "I have *not* been calling you on 2980 kc", the transmitting station sends "ZB ZCE 2980."
- (B)—(a) To express "Collective (or net) call sign AB includes for the present AX, AY, and AZ", the transmitting station sends "ZCM AB AX AY AZ" or "ZCM AB—AX AY AZ."
- (b) To express "What stations does collective (or net) call sign AB include for the present", the transmitting station sends "INT ZCM AB."
- (c) To express "Collective (or net) call sign AB for the present does *not* include AW", the transmitting station sends "ZB ZCM AB AW" or "ZB ZCM AB—AW."
- (C)—(a) To express "Make preliminary call-up before transmitting traffic", the transmitting station sends "ZCL."
- (b) To express "Shall I make preliminary call-up before transmitting traffic", the transmitting station sends "INT ZCL."
- (c) To express "Do not make preliminary call-up before transmitting traffic", the transmitting station sends "ZB ZCL."

2. Use of slant (/) sign:

To express "What are charges on my message 1130 of the twelfth", the transmitting station sends "ZZN 1130/12." (Note: Dates refer only to current month, or to preceding month when date signified is later than current date.)