

SECTION G

ENCODE

CIRCUIT DISCIPLINE AND NET CONTROL

KEY	QUESTION	ANSWER, ADVICE OR ORDER	SIGNAL
ACKNOWLEDGE	Can you acknowledge receipt?	I am acknowledging receipt.	QSL
ANSWER		Answer me (or...) on... kHz (or MHz).	ZBV
AUTOMATIC	Shall I revert to automatic relay?	Revert to automatic relay.	QJG
BREAK		I have been unable to break in on your transmission. or Will you inform...(call sign) that I have been unable to break in on his transmission (on... kHz (or MHz)).	QSI
		I have (or...has) been unable to break you.	ZAJ
		I am unable to receive you while I am transmitting. Do not use break-in procedure.	ZBL
BUSY	Are you busy?	I am busy (or I am busy with...). Please do not interfere.	QRL
CALL/CALLING	Shall I inform... that you are calling him on... kHz (or MHz)?	Please inform...that I am calling him on...kHz (or MHz).	QRW

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KEY	QUESTION	ANSWER, ADVICE OR ORDER	SIGNAL
CALL/CALLING (Cont'd)	When will you call me again?	I will call you again at...hours (on...kHz (or MHz)).	QRX
	Who is calling me?	You are being called by ... (on...kHz (or...MHz)).	QRZ
		Make preliminary call before transmitting traffic.	ZBH
		I am or have been (or... is or has been) calling you (on...kHz (or MHz)).	ZGI
	When will you call me again on present frequency (or on... kHz (or MHz))?	I will call you again as soon as possible (or at ...) on present frequency (or on...kHz (or MHz)).	ZGJ
	When shall I call you again on present frequency (or on...kHz (or...MHz))?	Call me again at...on present frequency (or on ...kHz (or MHz)).	ZGK
		...will answer calls for me (or for...).	ZGL
	Answer calls for me on present frequency (or on...kHz (or MHz)).	ZGP	
CALL SIGN	What is your full call sign?	My full call sign is... or Use your full call sign until further notice.	QCX
	What is my call sign for use on this circuit only?	Your call sign for use on this circuit only is...	ZGA
		Send (answer)...(1. In alphabetical sequence of call signs. Each station to make its call signs once (or...times); 2. In the following sequence of call signs).	ZGB
		Two stations are using the same indefinite call sign on...kHz (or MHz). Both stations are to select different call signs.	ZGD

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KEY	QUESTION	ANSWER, ADVICE OR ORDER	SIGNAL
CALL SIGN (Cont'd)		Send your call sign(s) once (or...times) on this frequency (or on...kHz (or MHz)).	ZGE
		Make call signs more distinctly.	ZGF
	What is call sign of ... (1. Friendly striking force aircraft; 2. Friendly shadowing aircraft; 3. Incoming vessel; 4. Senior officer present afloat (or officer in tactical command); 5. Ship acting as flagship for...)?	Call sign of...is... (1. Friendly striking force aircraft; 2. Friendly shadowing aircraft; 3. Incoming vessel; 4. Senior officer present afloat (or officer in tactical command); 5. Ship acting as flagship for...).	ZGG
CLOSING DOWN		I am closing down (until ...) due to...	ZAL
	May I close down (until...)?	...(1. Close down (until ...); 2. I am closing down (until...)).	ZKJ
COMMUNICATE WITH	May I establish communication with... radio station on... kHz (or MHz) now (or at...hours)?	Establish communication with...radio station on ...kHz (or MHz) now (or at...hours). or I will establish communication with...radio station on...kHz (or MHz) now (or at...hours).	QIC
	Can you communicate with...direct or by relay?	I can communicate with ...direct (or by relay through...).	QSO
	Can you communicate with my station by means of the international code of signals?	I am going to communicate with your station by means of the international code of signals.	QTQ

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KEY	QUESTION	ANSWER, ADVICE OR ORDER	SIGNAL
COMMUNICATE WITH (Cont'd)	Will you keep your station open for further communication with me until further notice (or until... hours)?	I will keep my station open for further communication with you until further notice (or until... hours).	QTX
		Report when you are in radio communication with ...	ZBU
	Did you (or...) hear ... (at...)?	I have (or...has) been unable to communicate with ... (since...).	ZGM
CONTROL STATION	Who is controlling station (net control station) on this frequency (or on...kHz (or MHz))?	I am (or...is) controlling station (net control station) on this frequency (or on...kHz (or MHz)).	ZKA
	Is it necessary to obtain the permission of the controlling station (net control station) before transmitting messages?	It is necessary to obtain the permission of the controlling station (net control station) before transmitting messages.	ZKB
		Substitute code sign (call sign) of control station of group (net) in place of this operating signal.	ZKC
	Shall I take control of net (for...) (until...)?	Take control of net (for ...) (until...).	ZKD
COPIES		For following message you will require a total of... copies.	ZBB
		For the following message use large message forms.	ZBF

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DELAY	What is cause of delay (or of bad transmission)?	Transmission on...kHz (or MHz) suspended until... (or was suspended at...) on account of electrical hazards (or...).	ZAK
		Delay (or bad transmission) due to...	ZBA
		I am using this transmitter to answer calls on two or more frequencies. Answer to calls may be delayed.	ZGH
DISCIPLINE		You are not observing proper circuit discipline.	ZAA
FREQUENCY	What frequency is ...using?	My reception on...frequency has broken down.	QCS
		...is using...kHz (or MHz).	QIF
		Shift to transmit and receive on...kHz (or MHz); if communication is not established within 5 minutes, revert to present frequency.	QMH
		Change to transmission on another frequency (or on...kHz (or MHz)).	QSY
		I am (or...is) shifting to transmit on...kHz (or MHz).	ZBW
	Will you shift (or ask...to shift) to receive on...kHz (or MHz)?	I an (or...is) shifting to receive on...kHz (or MHz).	ZBX
GROUPS	Shall I send each word or group more than once?	Send each word or group twice (or...times),	QSZ

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KEY	QUESTION	ANSWER, ADVICE OR ORDER	SIGNAL
GROUPS (Cont'd)	Do you agree with my counting of words?	I do not agree with your counting of words; I will repeat the first letter or digit of each word or group.	QTB
		The last word (or group) ... (1. Received from you was...; 2. Transmitted to you was...).	ZAQ
GUARD	May I stop listening on the watch frequency for...minutes?	You may stop listening on the watch frequency for... minutes.	QAR
	Shall I stand guard for you on the frequency of ...kHz (or MHz) (from ...to...hours)?	Stand guard for me on the frequency of...kHz (or MHz) (from...to...hours).	QTV
	Are you (or is...) radio guard for... (on...kHz (or MHz))?	Take guard (for...) (on...kHz (or MHz)).	ZKM
		I have taken over guard on...kHz (or MHz).	ZKN
		I have handed over guard (to...) (on...kHz (or MHz)) (serial number of last message received was...).	ZKO
HEARD	When was I (or...) last heard?	I am (or...is) radio guard for...(on...kHz (or MHz)).	ZKP
		Indicate ships or stations for which you are (or...is) ...guard. (1. Radio (on... kHz (or MHz)); 2. Visual).	ZKQ
HEARD	When was I (or...) last heard?	Nothing heard from you (or...) (since...).	ZGN
IDENTIFICATION		The identification signal which follows is super- imposed on another transmission.	QTT

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KEY	QUESTION	ANSWER, ADVICE OR ORDER	SIGNAL
INTERFERENCE	Are you experiencing communication difficulties through flying in a storm?	I am experiencing communication difficulties through flying in a storm. Note: Attention is invited to the possible supplementary use of signals QAR, QBE, QCS, QRM, QRN, QRX, QSZ or the signal CL to amplify the meaning associated with signal QAZ.	QAZ
	Are you being interfered with?	I am being interfered with.	QRM
	Are you troubled by static?	I am troubled by static.	QRN
		You are...(1. Causing interference. Listen before sending; 2. Causing interference by inattention to order to wait; 3. Sending at the same time as... (call sign); 4. Causing delay by slowness in answering; 5. Causing delay by slowness in answering my service or procedure messages; 6. Answering out of turn).	ZAX
KEYING	Will you use simultaneous keying on... frequency and... frequency?	I will now key simultaneously on...frequency and ...frequency.	QLH
	Is my keying defective?	Your keying is defective.	QSD
		Your...(1. Characters are indistinct; 2. Spacing is bad).	ZBP
		Your...(1. Dots are too heavy; 2. Dots are too light; 3. Dots are varying in bias; 4. Dot spacing is bad; 5. Dots are missing; 6. Dots are burring.).	ZBS

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KEY	QUESTION	ANSWER, ADVICE OR ORDER	SIGNAL
LEAVING NET		Station leaves net temporarily (or for...minutes) (to communicate with...) (will be on...kHz (or MHz)).	ZKF
LINK		Act as radio link (relaying station) between me and...(or between...and ...).	ZOD
LISTEN	Shall I listen for you (or for...) on ...kHz (or MHz)? Note: If the frequency is given in megacycles, the abbreviation MC is to be used. (See also signal QSX).	Listen for me (or for...) on...kHz (...MHz). Note: If the frequency is given in megacycles, the abbreviation MC is to be used. (See also signal QSX).	QAP
	Will you listen to... (call sign(s) on... kHz (or MHz)?	I am listening to...(call sign(s)) on kHz (or MHz).	QSX
		Listen for radiotelephony.	ZBI
MESSAGES	Has...sent any message for me?	Here is the message sent by...at...hours.	QBM
	Have you sent message ...to...?	I have sent message... to...	QDB
	Have you anything for me?	I have nothing for you.	QRU
METHOD	Shall I work... 1. Simplex; 2. Duplex; 3. Diplex; 4. Multiplex; 5. Single Sideband; 6. With automatic error correction system; 7. Without automatic error correction system)?	Work...(1. Simplex; 2. Duplex; 3. Diplex; 4. Multiplex; 5. Single Sideband; 6. With automatic error correction system; 7. Without automatic error correction system).	ZAP
		Transmit traffic for me (or for...) by broadcast method until further directed (or until...).	ZAV

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KEY	QUESTION	ANSWER, ADVICE OR ORDER	SIGNAL
METHOD (Cont'd)		Transmit traffic to me (or to...on...kHz (or MHz)) without waiting for receipts. I (or...) will receipt for traffic later (on...kHz (or MHz)).	ZAY
	Shall I send by... (1. Direct (R) method; 2. Broadcast (F) method; 3. Intercept (I) method; 4. Repeat back (G) method)?	Send by...(1. Direct (R) method; 2. Broadcast (F) method; 3. Intercept (I) method; 4. Repeat back (G) method).	ZBR
OPERATING SIGNAL		Your operating signal (made at...) received as ... (1. Not understood; 2. Not held).	ZAD
OPERATION	May I resume normal working?	Normal working may be resumed.	QUM
OPERATOR		Place...on watch on the frequency. (1. A qualified speed key operator; 2. A competent operator).	ZBM
PRECEDENCE		Transmit only messages of and above precedence...	ZAN
	Of what precedence(s) and for whom is (are) your message(s)?	I have (or...has)...(numeral followed by precedence prosign for each precedence message(s) for you (or for ...)).	ZBO
READY	Are you ready?	I am ready.	QRV
RECEPTION		My reception on...frequency has broken down.	QCS
	Can you hear me between your signals and if so can I break in on your transmission?	I can hear you between my signals; break in on my transmission.	QSK

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RECEPTION (Cont'd)	Did you hear me (or... (call sign) on...kHz (or MHz)?	I did hear you (or... (call sign) on...kHz (or MHz).	QSN
		I am unable to receive you. Receipt through...	ZAE
	Are you receiving my traffic clear?	I am receiving your traffic...(1. Clear; 2. Garbled).	ZBK
REPEAT	Will you repeat what you (or...) sent (at...)?	Following is what I (or...) sent (at...).	ZBD
		Send tapes...(1. Once; 2. Twice).	ZSO
REPORTING IN NET		I (or...) report(s) into circuit (net).	ZKE
SCHEDULE		Observe (or direct... to observe) schedule with...on...kHz (or MHz) (at...).	ZKG
	Did you (or...) ob- serve schedule with ...(at...)?	I (or...) observed schedule with...(at...).	ZKH
SPEECH		I cannot understand your speech. Use radiotelegraph.	ZAO
		Your speech is distorted.	ZPA
SPEED	Shall I send faster?	Send faster (...words per minute).	QRQ
	Shall I send more slowly?	Send more slowly (...words per minute).	QRS
	Shall I stop sending?	Stop sending.	QRT

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KEY	QUESTION	ANSWER, ADVICE OR ORDER	SIGNAL
SPEED KEY		Your speed key is improperly adjusted.	ZAB
		Cease using speed key.	ZAC
STAND BY		Stand by.	ZUJ
STATION IDENTITY	What is your full call sign?	My full call sign is... or Use your full call sign until further notice.	QCX
	What is the name of your station?	The name of my station is ...	QRA
STRENGTH, SIGNAL	What is the strength of my signals (or those of...)?	The strength of your signals (or those of...) is... 1) scarcely perceptible. 2) weak. 3) fairly good. 4) good. 5) very good.	QSA
	Are my signals fading?	Your signals are fading.	QSB
TAPE		Break...(1. Go ahead with next tape; 2. Go back... feet; 3. Advance your key tape to reference mark number...and repeat last transmission (or transmission...)).	ZAG
		Unable to relay message... in present form. We file. Transmit correctly prepared tape under new number to all addressees (or to...).	ZAH

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KEY	QUESTION	ANSWER, ADVICE OR ORDER	SIGNAL
TAPE (Cont'd)		Run...(1. Caller; 2. Test tape; 3. Synchronizing tape; 4. Traffic tape; 5. Marking signals; 6. Spacing signals; 7. Reversals; 8. Run tele- typewriter space bar signals).	ZAI
		I am unable to obtain reply from teleprinter switchboard...(for connection to...). Request you call him (or other intermediate switchboard) for me.	ZAM
		Rerun all tapes run on... since...(1. Your present frequency; 2. ...kHz (or MHz); 3. Call sign...; 4. This channel or... channel).	ZAS
		Am preparing traffic (perforating tape) for transmission.	ZAT
		You are transmitting a continuous...(1. Mark; 2. Space).	ZBC
		You are transmitting in upper case.	ZBG
		Your...is reversed. (1. Tape; 2. Mark and space).	ZBN
		Send tapes...(1. Once; 2. Twice).	ZSO
TIME	What is the correct time?	The correct time is... hours.	QTR
	What are the hours during which your station is open?	My station is open from ...to...hours.	QTU

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KEY	QUESTION	ANSWER, ADVICE OR ORDER	SIGNAL
TRANSMIT	Shall I send or reply on this frequency (or on... kHz (or MHz)) (with emissions of class...)?	Send or reply on this frequency (or on...kHz (or MHz)) with emissions of class...).	QSU
	Will you send on this frequency (or on...kHz (or MHz)) (with emissions of class...)?	I am going to send on this frequency (or on ...kHz (or MHz)) (with emissions of class...).	QSW
		Please listen for me on ...kHz (or MHz) and transmit to me on...kHz (or MHz).	ZHQ
TUNING	Shall I send a series of V's on this frequency (or...kHz (or MHz))?	Send a series of V's on this frequency (or on ...kHz (or MHz)).	QSV
TURN		Delay is being caused by... 1) your transmitting out of turn. 2) your slowness in answering. 3) lack of your reply to my...	QCB
	What is my turn? (Relates to communication.)	Your turn is number... (or according to any other indication). (Relates to communication.)	QRY
	What is my number and sequence in answering?	Your number is... Answer after number... (numbers to be separated by separative sign).	ZGO
WATCH		Have set continuous watch, or (1. Single operator period; 2. Two operator period; 3. General periods only; 4. Reduced single operator periods) on broadcast indicated. First serial number received is.../No number yet received.	ZIP

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KEY	QUESTION	ANSWER, ADVICE OR ORDER	SIGNAL
WATCH (Cont'd)	On what frequencies are you (or...) maintaining watch? What stations are keeping watch on... kHz (or MHz) (or are in net)?	Have ceased watch on Broadcast, last number received...	ZIQ
		Set watch on...kHz (or MHz)...(1. Continuous; 2. Until further notice).	ZKI
		Assume radiotelegraph (wireless) organization ...forthwith (or at...).	ZKK
		Resume normal radio communication now (or at...).	ZKL
		I am (or...is) maintaining watch on...kHz (or MHz).	ZKR
		Following stations are keeping watch on...kHz (or MHz) (or are in net).	ZKS
		Am keeping watch on... kHz (or MHz) for...(1. First five minutes in each half hour; 2. From 10 to 15 and 40 to 45 minutes past the hour; 3. Between...and... minutes past the hour).	ZKT
I am (or...is) maintaining continuous watch, or (1. Single operator period; 2. Two operator period; 3. General periods only; 4. Reduced single operator period) on... (call sign)...Broadcast.	ZKU		
I am (or...is) standing splitphone watch on... and...kHz (or MHz).	ZKV		