

## SECTION D

ENCODE

## AERONAUTICAL AND SEA OPERATIONS

KEY	QUESTION	ANSWER, ADVICE OR ORDER	SIGNAL
AERIAL		I am about to wind in my aerial.  I am working on trailing aerial. or Work on trailing aerial.	QBE  QCY
APPROACH	Will you inform me when you are on... leg of approach?  May I make a... approach (at... (place))? or Are you making a... approach?  May I make an approach using the facility indicated?	I am on... 1) cross-wind leg ) 2) down-wind leg ) of 3) base leg ) approach. 4) final leg )  You may make a...approach (at...(place)). or I am making a...approach.  You may approach using the facility indicated.	QHE  QHQ  ZSG
ARRIVAL		Arrange your flight in order to arrive over... (place) at...hours. or I am arranging my flight in order to arrive over... (place) at...hours.  My estimated time of arrival at...(or over...) (place) is...hours.	QA?  QRE
BEACON	1) Is the...visual beacon (at...(place)) in operation? 2) Will you switch on the...visual beacon (at...(place))? 3) Will you extinguish the aerodrome visual beacon (at...(place)) until I have landed?	1) The...visual beacon (at...(place)) is in operation. 2) I will extinguish the aerodrome visual beacon (at...(place)) until your landing is completed.	QFD

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CARGO VESSEL	Are you a cargo vessel?	I am a cargo vessel.	QSC
CIRCUIT	Is a right-hand circuit in force at...(place)?	A right-hand circuit is in force at...(place).	QES
CLEARANCE	May I have clearance (for...) from... (place and/or control) to...(place and/or control) at...(figures and units) height above (datum)?	You are cleared (or... is cleared) by...from...(place and/or control) to...(place and/or control) at...(figures and units) height above...(datum).	QAB
	When may I expect approach clearance?	Expect approach clearance at...hours. or No delay expected.	QCE
	May I be cleared to land (at...(place))?	Delay indefinite. Expect approach clearance not later than...hours.	QCF
	May I enter traffic circuit at... (figures and units) height above... (datum)?	You are cleared to land (at...(place)).  Cleared to enter traffic circuit at...(figures and units) height above... (datum).	QGN QHG
CLOUD	Are you flying in cloud?	I am flying in cloud at...(figures and units) height above...(datum) (and I am ascending (descending) to...(figures and units) height above that datum).	QBF
	Are you flying above cloud?	I am flying above cloud and at...(figures and units) height above...(datum). or Maintain a vertical distance of...(figures and units) above cloud, smoke, haze or fog levels.	QBG

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KEY	QUESTION	ANSWER, ADVICE OR ORDER	SIGNAL
CLOUD (Cont'd)	Are you flying below cloud?	I am flying below cloud and at...(figures and units) height above... (datum). or Maintain a vertical distance of...(figures and units) below cloud.	QBH
	Are you flying with no cloud in your vicinity?	I am flying with no cloud in my vicinity and at...(figures and units) height above...(datum).	QBK
	Are you flying between two layers of cloud?	I am flying between two layers of cloud and...(figures and units) height above...(datum).	QBN
	Are you flying in and out of cloud?	I am flying in and out of cloud and at...(figures and units) height above...(datum).	QBP
	Report your flying conditions in relation to clouds.	The reply to QBZ <u>IMI</u> is given by the appropriate answer form of signals QBF, QBG, QBH, QBK, QBN and QBP.	QBZ
COLLISION	Is there any risk of collision?	There is risk of collision. Note: This signal should be followed by appropriate Q signals or ICAO approved abbreviations giving instructions for avoiding collision.	QAK
COMMUNICATION	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
	Have you anything for me?	I have nothing for you.	QRU

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CONTROL	Will you accept control (or responsibility) of (for) ...now (or at... hours)?	I will accept control (or responsibility) of (for) ...now (or at...hours).	QDP
DEPARTURE	At what time did you depart from... (place)?	I departed from...(place) at...hours.	QTN
	Are you airborne? or Have you left dock (or port)?	I am airborne or I have left dock (or port).	QTO
	Are you (or is...) ...(1. Airborne; 2. Waterborne; 3. On land.)?	I am (or...is)...at... (time). (1. Airborne; 2. Waterborne; 3. On land.)	ZQC
DESTINATION	May I have clearance (for...) from... (place and/or control) to...(place and/or control) at...(figures and units) height above...(datum)?	You are cleared (or...is cleared) by...from... (place and/or control) to...(place and/or control) at...(figures and units) height above...(datum).	QAB
	Are you going to land at...(place)? or Has aircraft...landed at...(place)? (See also signal QTP.)	I am going to land at... (place). or (You may) land at...(place). or Aircraft...landed at... (place). (See also signal QTP.)	QAL
	Where are you bound and where are you from?	I am bound for...from...	QRD
DOCKING	Are you going to alight (or land)? or Are you going to enter dock (or port)?	I am going to alight (or land). or I am going to enter dock (or port).	QTP

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DOCTOR	Have you a doctor on board (or is...(name of person) on board)?	I have a doctor on board (or...(name of person) is on board).	QSQ
FACILITY	Will you give me the latest information concerning... facility (at...(place))?	The latest information concerning...facility (at...(place)) is as follows... Note: The information is given by sending appropriate NOTAM Code groups.	QFP
		I am not equipped to give the information (or provide the facility requested.)	QNO
FLIGHT CONDITIONS	Are you flying in cloud?	I am flying in cloud at ...(figures and units) height above...(datum) (and I am ascending (descending) to... (figures and units) height above that datum).	QBF
	Report your flying conditions in relation to clouds.	The reply to QBZ $\overline{IMI}$ is given by the appropriate answer form of signals QBF, QBG, QBH, QBK, QBN and QBP.	QBZ
	Are you flying in visual meteorological conditions?	I am flying in visual meteorological conditions. or Fly at all times in visual meteorological conditions.	QDT
	Are you flying in a horizontal visibility of less than... (figures and units)?	I am flying in a horizontal visibility of less than...(figures and units) at...(figures and units) height above...(datum).	QDV
FLIGHT RULES	Is flight under IFR compulsory at...(place) (or from... to...(place))?	Flight under IFR is compulsory at...(place) (or from...to...(place)).	QBi

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KEY	QUESTION	ANSWER, ADVICE OR ORDER	SIGNAL
FLIGHT RULES (Cont'd)	What is the nearest aerodrome at which flight under VFR is permissible and which would be suitable for my landing?	Flying under VFR is permissible at...(place) which would be suitable for your landing.	QBO
		Cancel my IFR flight plan.	QDU
FUEL	How much fuel have you remaining (expressed as hours and/or minutes of consumption)?	I am about to jettison fuel.	QAU
		Fuel remaining is... (hours and/or minutes of consumption).	QBD
GLIDER	Do you have glider in tow?	...(1. We have glider in tow; 2. We are forced to release glider at (approximate position)...).	ZSE
HEADING	What is your TRUE heading?  What is your MAGNETIC heading?	Fly for...minutes on a heading that will enable you to maintain a track reciprocal to your present one.	QGT
		Fly for...minutes on a magnetic heading of... degrees.	QGU
		My TRUE heading is... degrees.	QTL
		My MAGNETIC heading is... degrees.	QTM

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KEY	QUESTION	ANSWER, ADVICE OR ORDER	SIGNAL
HEIGHT ALTITUDE	What is your height above...(datum)?	I am at...(figures and units) height above... (datum). Note: An aircraft is permitted to reply to QAH IMI by using any of the answer forms of signals QBF, QBG, QBH, QBK, QBN or QBP. In such cases the signal QAH is omitted from the reply. or Arrange your flight so as to reach...(figures and units) height above... (datum) at...(hours or place).	QAH
		Ascend (or descend) to... (figures and units) height above...(datum) before encountering instrument meteorological conditions or if visibility falls below...(figures and units of distance) and advise.	QBS
	Have you reached the...(figures and units) height above...(datum) (or...(area or place))?	I have reached the... (figures and units) height above...(datum) (or...(area or place)). or Report reaching the... (figures and units) height above...(datum) (or...(area or place)).	QBV
	Have you left the... (figures and units) height above... (datum) (or...(area or place))?	I have left the... (figures and units) height above...(datum) (or...(area or place)). or Report leaving the... (figures and units) height above...(datum) (or...(area or place)).	QBX
	May I change from... (figures and units) to... (figures and units) height above...(datum)?	You may change from... (figures and units) to... (figures and units) height above...(datum). or I am changing from... (figures and units) to... (figures and units) height above...(datum).	QCA
	May I descend below the clouds?	You may descend below the clouds.	QFH

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KEY	QUESTION	ANSWER, ADVICE OR ORDER	SIGNAL
HEIGHT ALTITUDE (Cont'd)	What height above... (datum)... 1) should I maintain? 2) are you maintaining? 3) do you intend cruising at?	... 1) Maintain (or fly at)... (figures and units) height above...(datum). 2) I am maintaining... (figures and units) height above...(datum). 3) I intend cruising at... (figures and units) height above...(datum).	QFM
	What is your desired rate of descent ex- pressed in hundreds of feet per minute?	My desired rate of des- cent is...hundreds of feet per minute.	ZQE
	May I ascend to... (height)?	You may ascend to... (height).	ZSA
	May I descend to... (height)?	You may descend to... (height).	ZSB
		You are...(1. To main- tain height of...feet and report over...(call sign) range station; 2. To hold on...leg of the beam... (call sign) range station at height...feet):	ZSI
HOLD	Shall I hold my position?	Hold your position.	QEN
	May I hold at... (place)?	Hold at...(place) at... (figures and units) height above...(datum) and await orders.	QGQ
		Hold on...direction of... facility.	QGZ
		You are...(1. To maintain height of...feet and re- port over...(call sign) range station; 2. To hold on...leg of the beam... (call sign) range station at height...feet.).	ZSI

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IFF		Switch ON IFF.	ZSC
		IFF switched OFF.	ZSD
		Switch off...(1. IFF; 2. IFF sets for 10 minutes in area denoted except for ships whose call signs follow).	ZSF
LANDING	May I land immediately?	You may land immediately.	QFO
	May I land using... (procedure or facility)?	You may land using... (procedure or facility).	QGH
		Landing is prohibited at...(place).	QGO
	What is my number for landing?	You are number...to land.	QGP
	Are you making an emergency landing?	I am making an emergency landing. or Emergency landing being made at...(place). All aircraft below...(figures and units) height above... (datum) and within a dis- tance of...(figures and units) leave...(place or headings).	QHH
	Are you going to alight (or land)? or Are you going to enter dock (or port)?	I am going to alight (or land). or I am going to enter dock (or port).	QTP
	Will you be forced to alight (or land)?	I am forced to alight (or land) immediately. or I will be forced to alight (or land) at...(position or place) at...hours.	QUG
	What is the magnetic direction in which landing is to be made?	The magnetic direction in which landing is to be made is...degrees.	ZQB

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KEY	QUESTION	ANSWER, ADVICE OR ORDER	SIGNAL
LANDING GEAR	Does my landing gear appear damaged?	Your landing gear appears damaged.	QFR
	Does my landing gear appear to be down and in place?	Your landing gear appears to be down and in place.	QGW
LANDING SURFACE	What is the condition of the landing surface at...(place)?	The condition of the landing surface at...(place) is... Note: The information is given by sending appropriate NOTAM Code groups.	QEM
LIGHTING		The... 1) approach 2) runway 3) approach and runway lights are out of order.	QFB
	Are the aerodrome lights lit?	The aerodrome lights are lit. or Please light the aerodrome lights.	QFI
	Are the approach and runway lights lit?	The approach and runway lights are lit. or Please light the approach and runway lights.	QFQ
	Are the floodlights switched on?	The floodlights are switched on. or Please switch on the floodlights.	QFV
	Are your navigation lights working?	I am not equipped to give the information (or provide the facility) requested. My navigation lights are working.	QNO QUI

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KEY	QUESTION	ANSWER, ADVICE OR ORDER	SIGNAL
LIGHTING (Cont'd)	Shall I train my searchlight nearly vertical on a cloud, occulting if possible and, if your aircraft is seen or heard, deflect the beam up wind and on the water (or land) to facilitate your landing?	Please train your searchlight on a cloud, occulting if possible and, if my aircraft is seen or heard, deflect the beam up wind and on the water (or land) to facilitate my landing.	QUQ
		The landing lights at the aerodrome (or at the aerodrome at...) are out of order.	ZQA
OBSTRUCTIONS	Are there on my track any obstructions whose elevation equals or exceeds my altitude?	There are obstructions to the...of runway...	QGC
		There are obstructions on your track...(figures and units) height above...(datum).	QGD
OVERSHOOT PROCEDURES		I am about to carry out overshoot procedure.	QAW
PARKING	Have I reached my parking area?	You have reached your parking area.	QEF
	or Have you reached your parking area?	I have reached my parking area.	
	May I leave the parking area?	You may leave the parking area.	QEG
	or Have you left the parking area?	I have left the parking area.	
POSITION	Will you advise me when you are (were) at (over) ... (place)?	I am (was) at (over)... (place) (at...hours) (at ... (figures and units) height above...(datum).	QAF

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KEY	QUESTION	ANSWER, ADVICE OR ORDER	SIGNAL
POSITION (Cont'd)	Will you advise me when you pass (passed) ... (place) bearing 090 (270) degrees relative to your heading?	I passed... (place) bearing... degrees relative to my heading at... hours.	QAY
	Shall I hold my position?	Hold your position.	QEN
	Are you (or is... )... 1) waterborne? 2) on land?	I am (or... is)... 1) waterborne ) at... hours. 2) on land )	QHI
		Aircraft plotted (believed to be you) in position... on track... degrees at... hours.	QKN
		I am approaching my point of no return.	QNR
	How far approximately are you from my station?	The approximate distance between our stations is... nautical miles (or... kilometers).	QRB
What is your position in latitude and longitude (or according to any other indication)?	My position is... latitude longitude (or according to any other indication).	QTH	
What was your time over last compulsory reporting point, and ETA at next compulsory reporting point?	My time over last compulsory reporting point was ... and my ETA at next compulsory reporting point is...	ZVB	
PRESSURE	What should I set on the sub-scale of my altimeter so that the instrument would indicate my elevation if I were on the ground at your station?	If you set the sub-scale of your altimeter to read ... millibars (or hundredths of an inch*), the instrument would indicate your elevation if you were on the ground at my station at... hours. *Note: When the setting is given in hundredths of an inch the abbreviation "INS" is used to identify the units.	QNH

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KEY	QUESTION	ANSWER, ADVICE OR ORDER	SIGNAL
RETURN		I am approaching my point of no return.	QNR
	Are you returning to...(place)?	I am returning to... (place) or Return to...(place).	QRF
RUNWAY	What is the magnetic direction (or number) of the runway to be used?	The magnetic direction (or number) of the runway to be used is... Note: The runway number is indicated by a two-figure group and the magnetic direction by a three-figure group.	QFU
	What is the length of the runway in use in ...(units)?	The length of runway... now in use is...(figures and units).	QFW
	What is the length in yards of the runway in use?	There are obstructions to the...of runway...  The length of the runway in use is...yards.	QGC  ZQF
SAFETY	What is the essential traffic? Note: Relates to aircraft and not communication traffic.	The essential traffic is ... Note: Relates to aircraft and not communication traffic.	QAI
	Am I near a prohibited area (or...prohibited area)?	You are... 1) near 2) flying over a prohibited area (or... prohibited area).	QAA
		Make a 360-degree turn immediately (turning to the...). or I am making a 360-degree turn immediately (turning to the...).	QCI
	Shall I circle the aerodrome (or go around)?	Circle the aerodrome (or go around).	QHZ

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KEY	QUESTION	ANSWER, ADVICE OR ORDER	SIGNAL
SEE ME	Do you see me? or Can you see the aerodrome? or Can you see... (aircraft)?	I see you at...(cardinal or quadrantal point of direction). or I can see the aerodrome. or I see...(aircraft).	QGV
SPEED	What is your speed? (Requests the speed of a ship or aircraft through the water or air respectively.)	My speed is...knots (or... kilometers or... statute miles per hour). (Indicates the speed of a ship or aircraft through the water or air respec- tively.)	QTJ
	What is the speed of your aircraft in relation to the surface of the earth?	The speed of my aircraft in relation to the surface of the earth is...knots (or...kilometers or...statute miles per hour).	QTK
STEER	What is the Grid Course for me to steer to reach you (or...)?	The Grid Course for you to steer to reach me (or...) is...degrees at ...hours.	ZMV
TAKE-OFF	May I assume position for take-off? or Have you assumed position for take-off?	Cleared to hold at take- off position for runway number... or I am assuming take-off position for runway number ...and am holding.	QEJ
	Are you ready for immediate take-off?	I am ready for immediate take-off.	QEK
	May I take-off (and make a...hand turn after take-off)?	You are cleared to take- off (turn as follows after take-off...).	QEL

ENCODE

KEY	QUESTION	ANSWER, ADVICE OR ORDER	SIGNAL
TAXYING	May I taxi to... (place)?	Cleared to taxi to... (place). (The place is given in plain language.)	QCH
	May I cross the run- way ahead of me?	You may cross the runway ahead of you.	QEA
	May I turn at the intersection?	Taxi as follows at the intersection... (straight ahead     DRT turn left            LEFT turn right           RITE).	QEB
	May I make a 180- degree turn and return down the runway?	You may make a 180-degree turn and return down the runway.	QEC
	Shall I follow the pilot vehicle?	Follow the pilot vehicle.	QED
	May I move to the holding position for runway number...? or Have you moved to the holding position for runway number...?	Cleared to the holding position for runway number ...                    or I have moved to the holding position for runway number ...	QEH
	Shall I clear the runway (or landing area)? or Have you cleared the runway (or landing area)?	Clear the runway (or landing area). or I have cleared the run- way (or landing area).	QEO
TRACK	What track should I make good? or What track are you making good?	Make good a track from... (place) on...degrees... (true or magnetic). or I am making good a track from...(place) on...degrees ...(true or magnetic).	QGK
		Fly for...minutes on a heading that will enable you to maintain a track reciprocal to your present one.	QGT
	What is your TRUE track?	My TRUE track is... degrees.	QTI

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TRAFFIC	What is the essential traffic? Note: Relates to aircraft and not communication traffic.	The essential traffic is ... Note: Relates to aircraft and not communication traffic.	QAI
ZONE	May I enter the... (control area or zone) at...(place)?	You may enter the... (control area or zone) at...(place).	QGL
		Leave the...(control area or zone).	QGM