DO YOU KNOW YOUR AIRPORT SIGNS, MARKINGS & LIGHTS?

Write the correct letter in each blank matching the description. Answers are at the bottom.

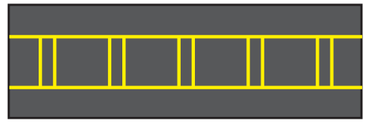
A

B

C

D

E



F

G

H

J

K

L

M

N

P

Q

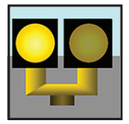
R

S

T

U

V



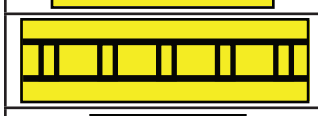
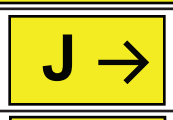
W

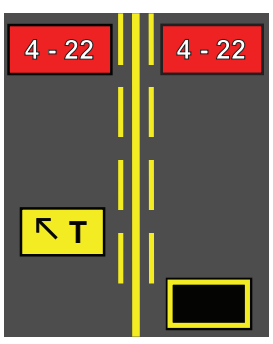
1. __ This sign identifies the runway upon which your aircraft is currently located.
2. __ This sign indicates thousands of feet remaining to the end of the runway.
3. __ This marking means the runway or taxiway is closed.
4. __ These lights outline the edges of a runway.
5. __ This array is located at the intersection of two runways and a taxiway.
6. __ When seen on a taxiway in conjunction with a red and white runway identifier sign, this surface-painted marking indicates that an aircraft or vehicle may taxi up to but not cross the double solid lines until instructed to proceed by ATC.
7. __ An aircraft that taxis past this sign may interfere with the navigational landing aid signals that an approaching aircraft is using. Stop if directed to by ATC.
8. __ Stopping behind this marking will ensure wingtip clearance for aircraft on an intersecting taxiway.
9. __ This painted marking indicates the edge of the ILS critical area. Ground control may ask you to hold short of this marking if an aircraft is using the ILS.
10. __ This sign alerts of an approaching runway and is accompanied by a yellow, surface-painted runway holding position marking.
11. __ This no entry sign denotes that aircraft are prohibited from proceeding beyond it.
12. __ Taxiing past this sign may interfere with operations on the runway. Stop if directed to by ATC.
13. __ These lights outline the edges of a taxiway.
14. __ These lights are sometimes installed on each side of a taxiway prior to its intersection with a runway.
15. __ This sign identifies the taxiway upon which you are located.
16. __ This marking indicates the edge of a path for vehicle traffic on areas also intended for aircraft.
17. __ This array indicates that you are approaching the intersection of two taxiways.
18. __ This sign indicates the direction to a destination runway.
19. __ This sign indicates an exit from a runway onto the designated taxiway.
20. __ This surface-painted marking separates the movement and non-movement areas on the airport. ATC clearance is needed to move beyond the solid line onto the movement area.
21. __ This surface-painted enhanced taxiway centerline marking runs up to 150 feet back from the holding position marking and alerts of an approaching runway

WWW.FAA.GOV/AIRPORTS/RUNWAY_SAFETY

Answers: 1-N, 2-T, 3-M, 4-S, 5-G, 6-B, 7-A, 8-Q, 9-F, 10-E, 11-J, 12-C, 13-R, 14-W, 15-D, 16-K, 17-H, 18-L, 19-P, 20-V, 21-U

AIRPORT SIGN AND MARKING – QUICK REFERENCE GUIDE

EXAMPLE	TYPE OF SIGN	PURPOSE	LOCATION/CONVENTION
	Mandatory: Hold position for taxiway/ runway intersection.	Denotes entrance to runway from a taxiway.	Located L side of taxiway within 10 feet of hold position markings.
	Mandatory: Holding position for runway/runway intersection.	Denotes intersecting runway.	Located L side of rwy prior to intersection, & R side if rwy more than 150' wide, used as taxiway, or has "land & hold short" ops.
	Mandatory: Holding position for runway approach area.	Denotes area to be protected for aircraft approaching or departing a runway.	Located on taxiways crossing thru runway approach areas where an aircraft would enter an RSA or apch/ departure airspace.
	Mandatory: Holding position for ILS critical area/precision obstacle free zone.	Denotes entrance to area to be protected for an ILS signal or approach airspace.	Located on twys where the twys enter the NAVAID critical area or where aircraft on taxiway would violate ILS apch airspace (including POFZ).
	Mandatory: No entry.	Denotes aircraft entry is prohibited.	Located on paved areas that aircraft should not enter.
	Taxiway Location.	Identifies taxiway on which the aircraft is located.	Located along taxiway by itself, as part of an array of taxiway direction signs, or combined with a runway/ taxiway hold sign.
	Runway Location.	Identifies the runway on which the aircraft is located.	Normally located where the proximity of two rwys to one another could cause confusion.
	Runway Safety Area / OFZ and Runway Approach Area Boundary.	Identifies exit boundary for an RSA / OFZ or rwy approach.	Located on taxiways on back side of certain runway/ taxiway holding position signs or runway approach area signs.
	ILS Critical Area/POFZ Boundary.	Identifies ILS critical area exit boundary.	Located on taxiways on back side of ILS critical area signs.
	Direction: Taxiway.	Defines designation/direction of intersecting taxiway(s).	Located on L side, prior to intersection, with an array L to R in clockwise manner.
	Runway Exit.	Defines designation/direction of exit taxiways from the rwy.	Located on same side of runway as exit, prior to exit.
	Outbound Destination.	Defines directions to take-off runway(s).	Located on taxi routes to runway(s). Never collocated or combined with other signs.
	Inbound Destination.	Defines directions to airport destinations for arriving aircraft.	Located on taxi routes to airport destinations. Never collocated or combined with other types of signs.
	Information.	Provides procedural or other specialized information.	Located along taxi routes or aircraft parking/staging areas. May not be lighted.
	Taxiway Ending Marker.	Indicates taxiway does not continue beyond intersection.	Installed at taxiway end or far side of intersection, if visual cues are inadequate.
	Distance Remaining.	Distance remaining info for take-off/landing.	Located along the sides of runways at 1000' increments.

EXAMPLE	TYPE OF MARKING	PURPOSE	LOCATION/CONVENTION
	Holding Position.	Denotes entrance to runway from a taxiway.	Located across centerline within 10 feet of hold sign on taxiways and on certain runways.
	ILS Critical Area/POFZ Boundary.	Denotes entrance to area to be protected for an ILS signal or approach airspace.	Located on twys where the twys enter the NAVAID critical area or where aircraft on taxiway would violate ILS apch airspace (including POFZ).
	Taxiway/Taxiway Holding Position.	Denotes location on taxiway or apron where aircraft hold short of another taxiway.	Used at ATCT airports where needed to hold traffic at a twy/twy intersection. Installed provides wing clearance.
	Non-Movement Area Boundary.	Delineates movement area under control of ATCT, from non-movement area.	Located on boundary between movement and non-movement area. Located to ensure wing clearance for taxiing aircraft.
Taxiway Edge.		Defines edge of usable, full strength taxiway.	Located along twy edge where contiguous shoulder or other paved surface NOT intended for use by aircraft.
Dashed Taxiway Edge.		Defines taxiway edge where adjoining pavement is usable.	Located along twy edge where contiguous paved surface or apron is intended for use by aircraft.
	Surface Painted Holding Position.	Denotes entrance to runway from a taxiway.	Supplements elevated holding position signs. Required where hold line exceeds 200'. Also useful at complex intersections.
	Enhanced Taxiway Centerline.	Provides visual cue to help identify location of hold position.	Taxiway centerlines are enhanced 150' prior to a runway holding position marking.
	Surface Painted Taxiway Direction.	Defines designation/direction of intersecting taxiway(s).	Located L side for turns to left. R side for turns to right. Installed prior to intersection.
	Surface Painted Taxiway Location.	Identifies taxiway on which the aircraft is located.	Located R side. Can be installed on L side if combined with surface painted hold sign.

Ref. AC 150/5340-1J *Standards for Airport Markings*, and AC 150/5340-18D *Standards for Airport Signs Systems*

Federal Aviation Administration

OK-08-0403

Airport Signs & Markings Quiz

Start Here

Place the number(s) of each sign or marking matching the description in the description box.
(Each sign or marking may be used once, more than once, or not at all.)

A. Indicates you are approaching a runway .....

B. Shows places you should not taxi an aircraft .....

C. Indicates you do, or may, need ATC approval to cross .....

D. Tells you the runway or taxiway you are on .....

E. Sign giving you directions to a runway, taxiway, or other airport destination .....

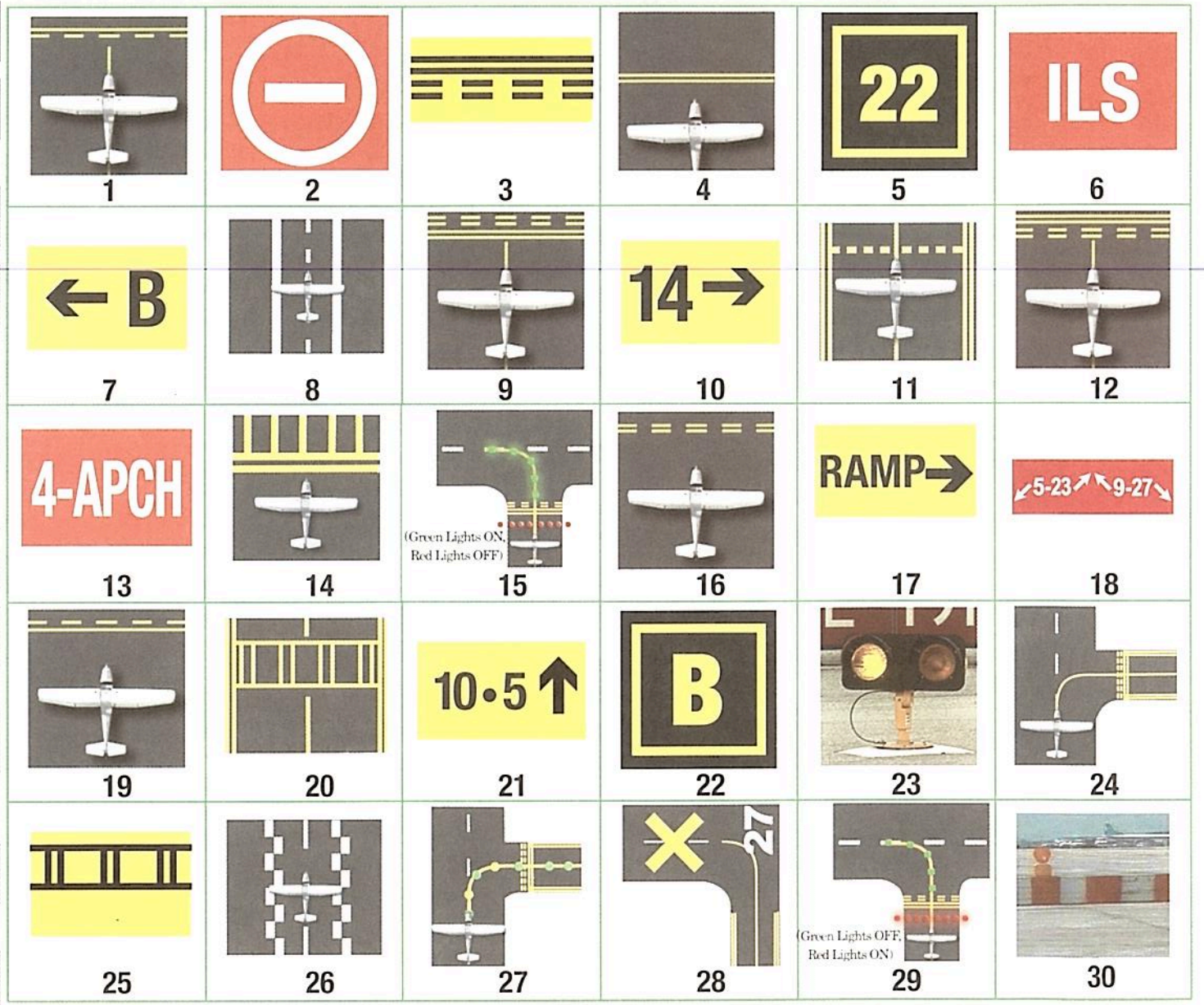
F. Indicates you're about to enter an area that could cause interference with an ILS signal .....

G. Helps you find your way off a runway .....

H. Confirms you are cleared onto a runway (tower - controlled airport) .....

I. Used to indicate you're about to cross a runway approach or departure path .....

J. Tells you where you should hold short of a crossing taxiway .....



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AFS-803 (2000)

GROUND VEHICLE GUIDE TO AIRPORT SIGNS & MARKINGS

AIRPORT MARKINGS

Runway Holding Position: Hold short of double solid lines until cleared to proceed by ATC

ILS Critical Area Holding Position: Hold short when required or instructed to by ATC

Taxiway/Taxiway Holding Position: Hold short of intersection taxiway when directed to by ATC

Non-Movement Area Boundary: Do not cross solid line into movement area without prior ATC authorization

Taxiway Edge: Defines edge of usable full strength taxiway pavement - adjoining pavement NOT usable

Dashed Taxiway Edge: Defines edge of taxiway where adjoining pavement IS available for aircraft use

Enhanced Taxiway Centerline: Indicates approaching hold position marking

AIRPORT SIGNS

Taxiway/Runway Holding Position: Hold short of intersecting runway

Runway/Runway Holding Position: Hold short of intersecting runway

Runway Approach Holding Position: Hold short when instructed to by ATC

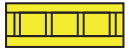
ILS Critical Area Holding Position: Hold short when instructed to by ATC

No Entry: Identifies areas where AIRCRAFT entry is prohibited

Taxiway Location: Identifies taxiway on which vehicle/aircraft is located

Runway Location: Identifies runway on which vehicle/aircraft is located

Runway Boundary: Exit boundary or approach protected areas



ILS Critical Area Boundary: When existing runway, sign shows boundary of ILS Critical Area

Taxiway Direction: Defines direction and designation of intersecting taxiways(s)

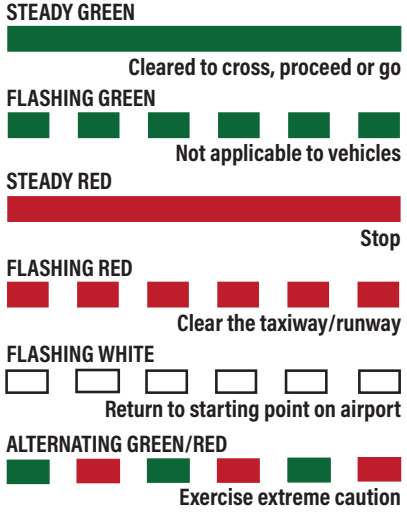
Runway Exit: Defines direction and designation of exit taxiway from runway

Outbound Destination: Defines direction to take-off runway(s)

Inbound Destination: Defines direction for arriving aircraft

Taxiway Ending Marker: Indicates taxiway does not continue

ATCT LIGHT GUN SIGNALS



LIGHT GUN SIGNALS FOR GROUND OPS ONLY

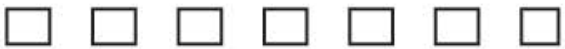
IF YOU ARE NOT SURE ABOUT ANYTHING, CONTACT ATC IMMEDIATELY

NOTE: Some signs may be combined in arrays and also may appear painted directly on the surface of taxiways or runways.

Tower Frequency _____ . **Ground Frequency** _____ . **Discrete Emergency Frequency** _____ . **ATIS Frequency** _____ . **Tower Phone Number** ( ) –

FAA Runway Safety
www.faa.gov/go/runwaysafety

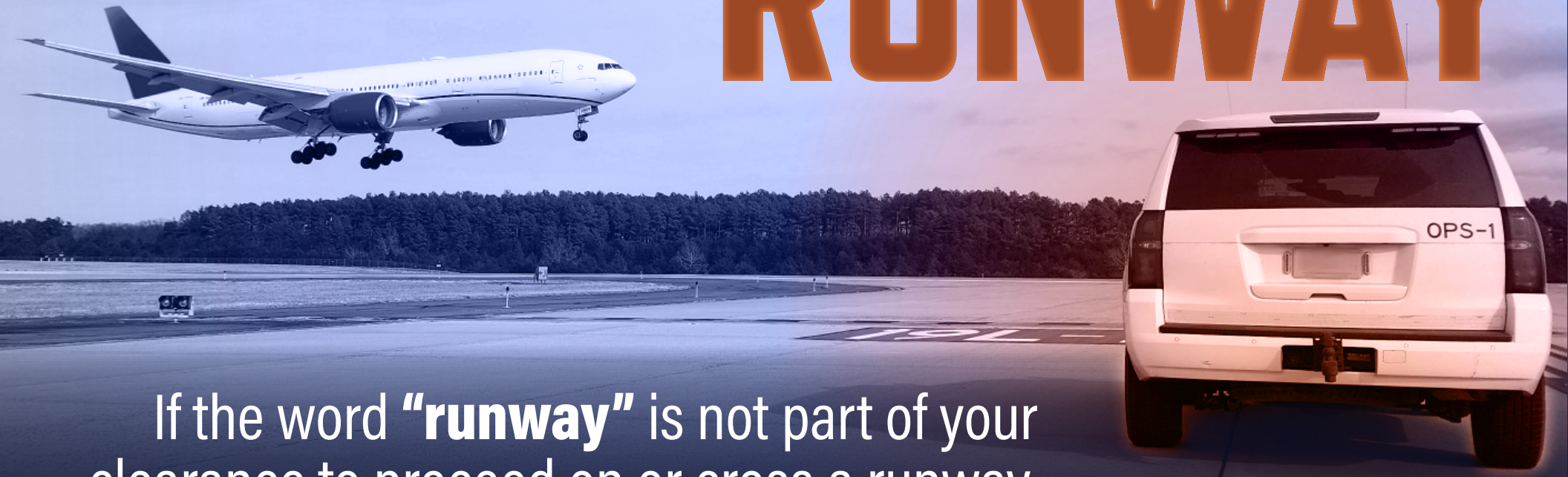
AIR TRAFFIC CONTROL: LIGHT GUN SIGNALS FOR PILOTS

Aircraft on the Ground		Aircraft in Flight
Cleared for takeoff	Steady green	Cleared for landing
Cleared for taxi	Flashing green	Return for landing - to be followed by steady green at the proper time
STOP	Steady red	Give way to other aircraft and continue circling
Taxi clear of the runway in use	Flashing red	Airport unsafe, do NOT land
Return to starting point on airpot	 Flashing white	Not applicable
Exercise extreme caution	Alternating green/red	Exercise extreme caution

STAY AWAY

IF YOU DON'T HEAR RUNWAY

Federal Aviation Administration



If the word **"runway"** is not part of your clearance to proceed on or cross a runway,

DO NOT GO beyond the ***holding position marking*** until you get clarification from air traffic control

EXAMPLE: "**Proceed on Runway 19L**" or "**Cross Runway 19L**"