

Airport Signs and Markings

Runway Incursions

A runway incursion is any occurrence in the airport runway environment involving an aircraft, vehicle, person, or object on the ground that creates a _____ hazard or results in a loss of _____ with an aircraft taking off, intending to take off, landing, or intending to land.

Runway incursions are a “hot button” issue with the FAA. Be vigilant and carry an airport diagram. When in doubt, ask for directions or “_____ taxi” before taxiing. Visit the web site www.faa.gov/runwaysafety for more information. If involved in a runway incursion, the FAA will normally be more lenient to those who have passed the runway safety course from this web site.

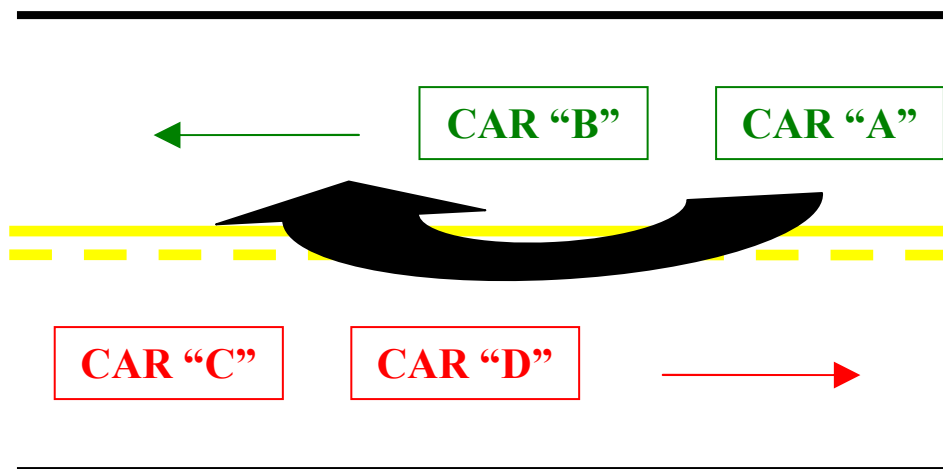
Driving Review

In the diagram below, is it legal for car “A” to pass car “B”?

Why?

Is it legal for car “C” to pass car “D”?

Why?



Airport markings are the same way. Generally, it is legal for a plane to cross a dashed line without permission, but it must get cleared to cross solid lines.

Remember: “Dash across the dashed.”
“Stop at the solid.”

Airport Design

Controlled airports are separated into three general areas, classified according to speed of operations and exposure to loss of life.

1. The _____ area (think “non-permission” area) is the ramp area where airplanes and other vehicles do not require clearance to move. It is usually located near FBOs and hangars.

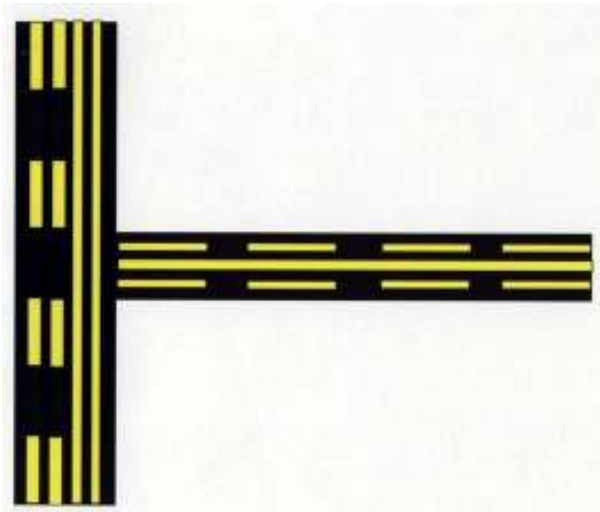
2. The _____ area includes the taxiways and the areas near the taxiways. It is controlled by ground control.

This is the pavement marking that separates the movement area from the non-movement area. Which direction is the aircraft free to travel without clearance?



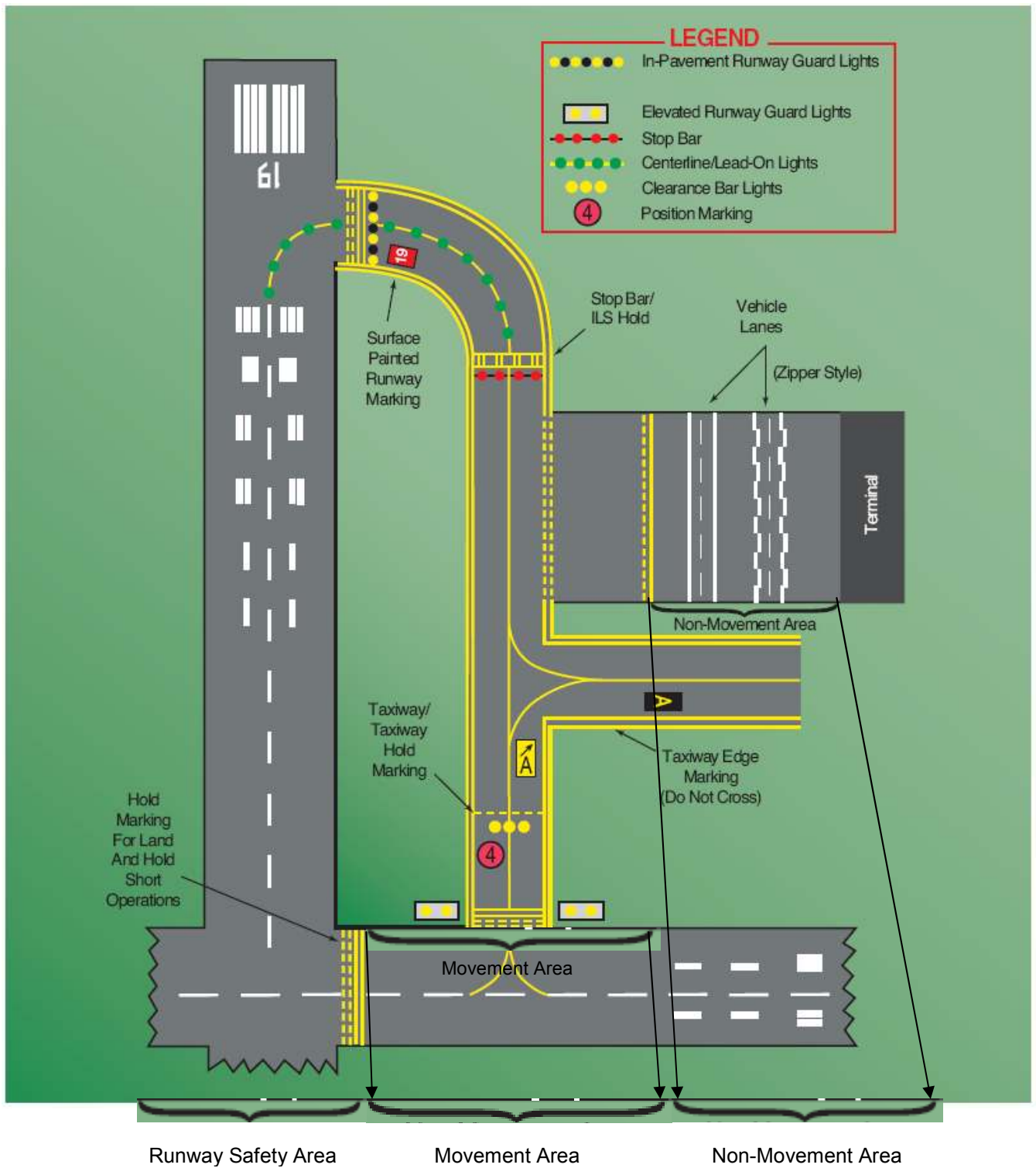
3. The _____ area is the entire area beyond the hold-short lines, including the runways. It is controlled by tower.

This “_____” marking separates the movement area from the runway safety area. Which side is on the side of the runway?



This is an example of an enhanced taxiway centerline. It is designed to help pilots stop at the hold short line.

Airport Layout



Airport Signs

_____ signs have a red background with a white inscription. These signs denote an entrance to a runway, a critical area, or a prohibited area.



Remember: “Red: Runway ahead.”

_____ signs are black with yellow inscription and a yellow border and do not have arrows. They are used to identify a taxiway or runway location, to identify the boundary of the runway, or identify an instrument landing system (ILS) critical area.



Remember: “Black square means you’re there.”

_____ Distance Remaining signs have a black background with white numbers. The numbers indicate the distance of the remaining runway in _____ of feet.



Note: These signs are the only signs that are the exception to “black square means you’re there. They are the only signs with black and white, and they will be found in decreasing numbers along the side of a runway.

_____ signs have a yellow background with black inscription. The inscription identifies the designation of the intersecting taxiway(s) leading out of an intersection.



_____ signs have a yellow background with black inscription and also contain arrows. These signs provide information on locating things, such as runways, terminals, cargo areas, and civil aviation areas.











Remember: “Yellow square, yellow array points the way.”

_____ signs have a yellow background with black inscription. These signs are used to provide the pilot with information on such things as areas that cannot be seen from the control tower, applicable radio frequencies, and noise abatement procedures. The airport operator determines the need, size, and location of these signs.



Note: Generally, you can identify these signs when you see one.

AIRPORT SIGN SYSTEMS	
TYPE OF SIGN AND ACTION OR PURPOSE	TYPE OF SIGN AND ACTION OR PURPOSE
4-22 Taxiway/Runway Hold Position: Hold short of runway on taxiway	 Runway Safety Area/Obstacle Free Zone Boundary: Exit boundary of runway protected areas
26-8 Runway/Runway Hold Position: Hold short of intersecting runway	 ILS Critical Area Boundary: Exit boundary of ILS critical area
8-APCH Runway Approach Hold Position: Hold short of aircraft on approach	 Taxiway Direction: Defines direction & designation of intersecting taxiway(s)
ILS ILS Critical Area Hold Position: Hold short of ILS approach critical area	 Runway Exit: Defines direction & designation of exit taxiway from runway
No Entry Identifies paved areas where aircraft entry is prohibited	 Outbound Destination: Defines directions to takeoff runways
B Taxiway Location: Identifies taxiway on which aircraft is located	 Inbound Destination: Defines directions for arriving aircraft
22 Runway Location: Identifies runway on which aircraft is located	 Taxiway Ending Marker Indicates taxiway does not continue
4 Runway Distance Remaining Provides remaining runway length in 1,000 foot increments	 Direction Sign Array: Identifies location in conjunction with multiple intersecting taxiways

