

AC NO: AC 150/5340-5A

DATE: 10 Sept 71



ADVISORY CIRCULAR

DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

SUBJECT: SEGMENTED CIRCLE AIRPORT MARKER SYSTEM

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1. PURPOSE. This advisory circular sets forth standards for a system of airport marking consisting of certain pilot aids and traffic control devices.
 2. CANCELLATION. Advisory Circular 150/5340-5, Segmented Circle Airport Marker System, dated 1 August 1963 is cancelled.
 3. REFERENCES.
 - a. Advisory Circular 150/5340-21, Airport Miscellaneous Visual Aids.
 - b. Advisory Circular 150/5345-27A, Specification for L-807 Eight-Foot and Twelve-Foot Unlighted or Externally Lighted Wind Cone Assemblies.
 - c. Advisory Circular 150/5345-36, Specification for L-808 Lighted Wind Tee.
 4. EXPLANATION OF REVISIONS. In addition to editorial changes, the use of the flashing amber light to designate a right hand traffic pattern was eliminated and the drawing corrected.
 5. APPLICATION. Apply these standards where a need exists for a segmented circle marker system to be installed at an airport.
 6. GENERAL REQUIREMENTS.
 - a. Segmented Circle Airport Marker System. This provides for a minimum installation consisting of a segmented circle located OFF the traffic area with a conventional wind cone located at its center. To this minimum installation, other pilot aids and traffic control devices are added as required to meet the conditions existing at a particular airport. The types of devices
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to be used, the purpose they shall serve, and their construction and installation shall be as described below and shown on figure 1.

- (1) Segmented Circle. The segmented circle is the basic element of the system. Segmentation of the circle is necessary so that from a reasonable distance it can be readily distinguished from a solid circle which is sometimes used to mark the center of a landing area. The segmented circle performs two functions; it aids the pilot in locating obscure airports and it provides a centralized location for such indicators and signal devices as may be required on a particular airport. Install the circle in a position affording maximum visibility to pilots in the air and on the ground. Consideration should also be given to accessibility for ground operation.
- (2) Wind Direction Indicator. Install a conventional wind cone, as located on the drawing, to be used as the wind direction indicator.
- (3) Landing Direction Indicator. When conditions at an airport warrant its use, install a landing direction indicator, as located on the drawing, for the purpose of showing pilots in the air and on the ground the direction in which landings and takeoffs are to be made. This indicator may be so designed that it can be made free-swinging when left unattended.
- (4) Landing Strip Indicators. Landing strip indicators are used to show the orientation of landing strips and/or to give a positive indication of the strip specified for use. When used, they shall be arranged in pairs as shown on the drawing.
- (5) Traffic Pattern Indicators. Install these indicators for the purpose of controlling the direction of the traffic pattern when there is any variation from the normal left-hand pattern. When the traffic pattern indicators are included in an installation, they shall be arranged in pairs in conjunction with landing strip indicators.
- (6) Right-Turn Indicators. The use of the segmented circle airport marker system should be encouraged. Only the "L" shaped indicators, formed by using the landing strip and traffic pattern indicators referred to above, will be required to comply with Federal Aviation Regulation, Part 91, AND WILL BE USED ONLY ON RUNWAYS USING RIGHT-HAND TRAFFIC PATTERNS. Where only these indicators are used, the operator should be encouraged to locate them so that the segmented circle and other visual aids can be added later. However, if

this is undesirable or impracticable, they may be painted on the ends of the runway or constructed in any practicable manner on or near the end of the runway. Locate a raised type of indicator so as not to become a hazard to the operation of aircraft.

- (7) Closed Field Signal. Place panels in the center of the circle in the form of a cross to signify that a field is permanently closed to all traffic. When this signal is used, the wind cone and the landing direction indicator shall be removed from the circle. Other indicators may remain in place.

- b. Pilot Familiarization. Post the information contained in the foregoing paragraphs of these "General Requirements", together with a copy of the "Segmented Circle Airport Marker System", figure 1, and a diagram showing the application of the system to the particular airport on all airport bulletin boards.

7. HOW TO OBTAIN THIS CIRCULAR. Obtain additional copies of this circular, AC 150/5340-5A, Segmented Circle Airport Marker System, from the Department of Transportation, Distribution Unit, TAD-484.3, Washington, D.C. 20591.

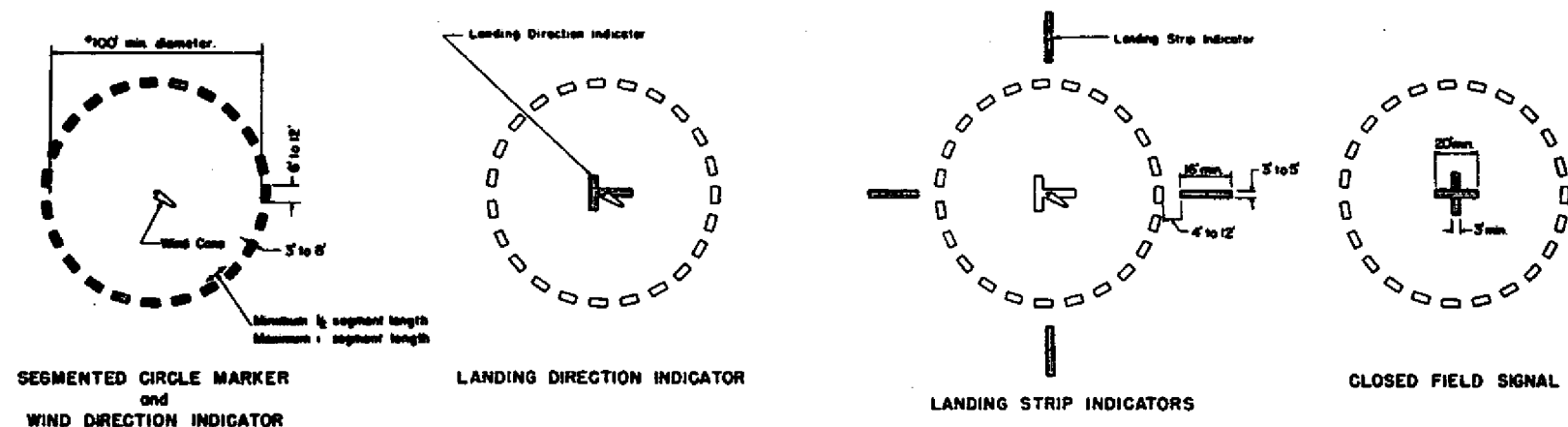


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FIGURE 1. SEGMENTED CIRCLE AIRPORT MARKER SYSTEM

10 Sept 71

AC 150/5340-5A
Appendix 1



*When the dimension between the runway safety area and the building or property line does not permit a 100-foot segmented circle, a 75-foot diameter circle may be used.

GENERAL NOTES

1. All items shall be constructed of durable weatherproof material.
2. Color of material (natural or dyed) shall provide an efficient contrast with area.
3. Various elements (except the wind cone) may be of any practical material that will simulate the design shown. They may be flat or of a type which will shed snow. Installation should be such that they will not be obscured by vegetation, flowing muddy water, sand, etc.

