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DATE: 4/18/75



ADVISORY CIRCULAR

**DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION**

SUBJECT: OBSTRUCTION MARKING AND LIGHTING

1. **PURPOSE.** This circular describes the Federal Aviation Administration's standards for obstruction marking and lighting.
2. **CANCELLATION.** This cancels and supersedes Advisory Circular Number 70/7460-1C, dated December 11, 1973.
3. **EXPLANATION OF REVISIONS.** This circular updates Advisory Circular Number 70/7460-1C, by making editorial changes of a minor nature. It advises that although the painting of structures and use of red obstruction lighting, plus spherical markers in the case of overhead transmission lines, are still acceptable and recommended in some cases, there are instances where increased conspicuity would be advisable. In these cases, high intensity lighting systems will be recommended in lieu of paint and red obstruction lights. Spherical markers may also be eliminated in these cases. It also advises that in order for the standards in this advisory circular to be most effective, only equipment meeting, or exceeding FAA equipment standards should be used. Where appropriate, the lux equivalent for footcandle values were included. A lighting configuration designation previously employed for the red obstruction lighting system was reinstated and expanded.

The United States customary units of measurement are gradually being replaced by the metric system. Recognizing this trend, we consider it important to prepare for broader use of the metric system. Therefore, for information purposes, metric units have been included in parenthesis next to the English units throughout the text. The metric values are based upon the International Civil Aviation Organization's standard English/metric equivalents rounded off (30 meters equals 100 feet) and, therefore, do not represent exact conversions of the English values. The English values should be used in applying the standards contained in this advisory circular. This does not involve any change in standard
