

# **TITLE 17 – NEBRASKA DEPARTMENT OF TRANSPORTATION – AERONAUTICS DIVISION**

## **Chapter 1 - Public Use Airport/Heliport Licensing**

### **001 Definitions**

001.01A Airport means any area that is used, or intended for use, for landing and takeoff of aircraft, and any appurtenant areas that are used, or intended for use, for airport buildings or other airport facilities or rights of way.

001.01B Displaced Threshold means a threshold that is located at a point on the runway other than at the beginning of the runway surface. The area behind the displaced threshold is available for rollout or takeoff of aircraft.

001.01C Effective Runway Length means the longest takeoff length available.

001.01D Heliport means any area for exclusive use by rotorcraft that is used, or intended for use, for landing and takeoff of rotorcraft, and any appurtenant areas that are used, or intended for use, for heliport buildings or other heliport facilities or rights of way.

001.01E Public-Use means available for use by the general flying public.

001.01F Primary Runway means the runway designated by the Aeronautics Division of the Nebraska Department of Transportation as the primary runway, considering length, wind coverage, surface and other factors deemed appropriate.

001.01G Runway means a paved or unpaved area of prescribed dimension available for aircraft takeoffs and landings.

001.01H Threshold means the beginning of the runway that is available for landing.

### **002 Site Application and Approval**

002.01 The sponsor of a proposed public-use airport or heliport shall:

002.01A Submit a Federal Aviation Administration (FAA) Form 7480-1 "Notice of Landing Area Proposal" to the FAA;

002.01B Request a license from the Department. Include a copy of FAA Form 7480-1 and any FAA response or conditions with the request;

002.01C Request and assure an on-site inspection by a representative of the Department;

002.01D Receive approval of the site from the Nebraska Aeronautics Commission;

002.01E Meet or exceed the conditions described in the FAA Form 7480-1 response.

002.01F Obtain a license from the Department. Airports shall meet or exceed minimum standards pursuant to section 17 NAC 1-003.02 and any other safety conditions established by the Department. Heliports shall meet or exceed minimum standards pursuant to 17 NAC 1-004.01B. The license does not relieve the airport owner of responsibility for complying with local zoning regulations.

### **003 Licensing**

#### **003.01 - Public Use Airports**

003.01A A public-use airport shall be licensed by the Department for a period not to exceed 3 years and shall maintain or exceed the minimum standards as outlined in section 17 NDA 1-003.02 or possess a waiver pursuant to 17 NAC 1-003.02H.

003.01B Public-use airports, currently licensed and maintained in accordance with Aeronautics Division of the Nebraska Department of Transportation regulations in effect December 31, 2000, may continue to be licensed by the Department until December 31, 2008, provided there are no new uncorrected violations.

003.01C A public-use airport certificated in accordance with Federal Aviation Regulation Part 139 shall be considered to meet these standards and shall be licensed indefinitely until such time as the airport ceases to be certificated in accordance with FAR Part 139. When the airport ceases to be certificated, the airport shall notify the Department in writing.

003.01D When a public use airport's license expires or is surrendered or revoked the airport owner must (1) file the appropriate notice with the Federal Aviation Administration changing the status of the airport from public-use, and (2) cease operation as a public-use airport.

#### **003.02 Minimum Standards for Public Use Airports**

003.02A The effective runway length of a paved primary runway shall be at least 1400 feet plus 25% of the MSL (Mean Sea Level) elevation of the site. The effective runway length of an unpaved primary runway shall be at least 1800 feet plus 25% of the MSL elevation of the site.

003.02B A paved runway shall be at least 50 feet wide. An unpaved runway shall be at least 100 feet wide.

003.02C No object shall penetrate above the primary surfaces, approach surfaces, and transitional surfaces.

003.02D Objects shall include anything fixed or mobile except aeronautical facilities whose location is fixed and necessary because of their function.

Except as otherwise noted in 003.02G below, all crops except hay shall be considered objects and their height shall be measured as the height of the crops when fully grown, despite the actual crop height at any specific time.

Roads and railroads are considered to be objects and the following heights shall be added to the height of the road or railroad to accommodate the height of vehicles:

- 1) Interstate Highway – 17 feet.
- 2) Public highway or road – 15 feet.
- 3) Private road – 10 feet.
- 4) Railroad – 23 feet.

Parked aircraft and vehicles are considered objects. Parking areas shall be placed so that the tallest aircraft or vehicle does not penetrate the approach, primary, and transitional surfaces.

003.02E The primary surface shall be the same elevation as the nearest point on the runway centerline and is 250 feet wide centered on the runway centerline. The primary surface includes the full length of the runway and extends 200 feet beyond each runway threshold for paved runways.

003.02F The approach surface extends outward from the primary surface and upward along a 20 to 1 slope (20 feet horizontal to 1 foot vertical) for a horizontal distance of 1,000 feet. The width of the approach slope is 250 feet at the beginning and widens out to 450 feet at the farthest point. The approach surface begins at the end of the primary surface and is longitudinally centered on the runway centerline.

003.02G Except in the case of terrain, the transitional surface extends upwards from all approach and primary surfaces at a slope of 7 to 1 (7 feet horizontal to 1 foot vertical) perpendicular to the runway centerline. In the case of terrain, the transitional surface extends upward from all approach and primary surfaces at a slope of 4 to 1 (4 feet horizontal to 1 foot vertical) perpendicular to the runway centerline. The transitional surface includes all areas that are not in the approach or primary surface. The transitional surface ends at a height of 50 feet above the elevation of the nearest runway centerline. Crops are not considered objects in the transitional surface.

003.02H The Department may waive the minimum standards, pursuant to 17 NAC 1-003.02A-G, when such waiver, in the opinion of the Department, does not endanger public health, safety or welfare. The airport/heliport license shall state the conditions of the waiver by reference or in full.

## **004 Licensing - Public Use Heliport**

004.01 A public use heliport shall be licensed by the Aeronautics Division of the Nebraska Department of Transportation for a period not to exceed 3 years and shall maintain or exceed the minimum standards set forth in 17 NAC 1-004.01B.

004.02 A public use heliport shall comply with the technical information and guidelines of the Federal Aviation Administration Advisory Circular No. 150/5390-2D, "Heliport Design" dated 1/5/2023.