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§ 99.31 Radio failure; IFR.

If a pilot operating an aircraft under IFR in an ADIZ cannot maintain two-way radio communications, the pilot shall proceed in accordance with § 91.185 of this chapter.

[Doc. No. 25113, 53 FR 18217, May 20, 1988, as amended by Amdt. 99-15, 54 FR 34331, Aug. 18, 1989]

Subpart B—Designated Air Defense Identification Zones

§ 99.41 General.

The airspace above the areas described in this subpart is established as an ADIZ Defense Area. The lines between points described in this subpart are great circles except that the lines joining adjacent points on the same parallel of latitude are rhumb lines.

§ 99.42 Contiguous U.S. ADIZ

The area bounded by a line from 43°15'N, 65°55'W; 44°21'N; 67°16'W; 43°10'N; 69°40'W; 41°05'N; 69°40'W; 40°32'N; 72°15'W; 39°55'N; 73°00'W; 39°38'N; 73°00'W; 39°36'N; 73°40'W; 37°00'N; 75°30'W; 36°10'N; 75°10'W; 35°10'N; 75°10'W; 32°00'N; 80°30'W; 30°30'N; 81°00'W; 26°40'N; 79°40'W; 25°00'N; 80°05'W; 24°25'N; 81°15'W; 24°20'N; 81°45'W; 24°30'N; 82°06'W; 24°41'N; 82°06'W; 24°43'N; 82°00'W; 25°00'N; 81°30'W; 25°10'N; 81°23'W; 25°35'N; 81°30'W; 26°15'N 82°20'W; 27°50'N; 83°05'W; 28°55'N; 83°30'W; 29°42'N; 84°00'W; 29°20'N; 85°00'W; 30°00'N; 87°10'W; 30°00'N; 88°30'W; 28°45'N; 88°55'W; 28°45'N; 90°00'W; 29°25'N; 94°00'W; 28°20'N; 96°00'W; 27°30'N; 97°00'W; 26°00'N; 97°00'W; 25°58'N; 97°07'W; westward along the U.S./Mexico border to 32°32'03"N, 117°07'25"W; 32°30'N; 117°25'W; 32°35'N; 118°30'W; 33°05'N; 119°45'W; 33°55'N; 120°40'W; 34°50'N; 121°10'W; 38°50'N; 124°00'W; 40°00'N; 124°35'W; 40°25'N; 124°40'W; 42°50'N; 124°50'W; 46°15'N; 124°30'W; 48°30'N; 125°00'W; 48°20'N; 128°00'W; 48°20'N; 132°00'W; 37°42'N; 130°40'W; 29°00'N; 124°00'W; 30°45'N; 120°50'W; 32°00'N; 118°24'W; 32°30'N; 117°20'W; 32°32'03"N; 117°07'25"W; eastward along the U.S./Mexico border to 25°58'N, 97°07'W; 26°00'N; 97°00'W; 26°00'N; 95°00'W; 26°30'N; 95°00'W; then via 26°30'N; parallel to 26°30'N; 84°00'W; 24°00'N; 83°00'W; then Via 24°00'N; parallel to 24°00'N; 79°25'W; 25°40'N; 79°25'W; 27°30'N; 78°50'W; 30°45'N;

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74°00'W; 39°30'N; 63°45'W; 43°00'N; 65°48'W; to point of beginning.

[Doc. No. FAA-2001-10693, 66 FR 49822, Sept. 28, 2001]

§ 99.43 Alaska ADIZ.

The area is bounded by a line from 54°00'N; 136°00'W; 56°57'N; 144°00'W; 57°00'N; 145°00'W; 53°00'N; 158°00'W; 50°00'N; 169°00'W; 50°00'N; 180°00'; 50°00'N; 170°00'E; 53°00'N; 170°00'E; 60°00'00'N; 180°00'; 65°00'N; 169°00'W; then along 169°00'W; to 75°00'N; 169°00'W; then along the 75°00'N; parallel to 75°00'N, 141°00'W; 69°50'N; 141°00'W 71°18'N; 156°44'W; 68°40'N; 167°10'W; 67°00'N; 165°00'W; 65°40'N; 168°15'W; 63°45'N; 165°30'W; 61°20'N; 166°40'W; 59°00'N; 163°00'W; then south along 163°00'W to 54°00'N, 163°00'W; 56°30'N; 154°00'W; 59°20'N; 146°00'W; 59°30'N; 140°00'W; 57°00'N; 136°00'W; 54°35'N, 133°00'W; to point of beginning.

[Doc. No. FAA-2001-10693, 66 FR 49822, Sept. 28, 2001]

§ 99.45 Guam ADIZ.

(a) *Inner boundary.* From a point 13°52'07" N, 143°59'16" E, counter-clockwise along the 50-nautical-mile radius arc of the NIMITZ VORTAC (located at 13°27'11" N, 144°43'51" E); to a point 13°02'08" N, 145°28'17" E; then to a point 14°49'07" N, 146°13'58" E; counter-clockwise along the 35-nautical-mile radius arc of the SAIPAN NDB (located at 15°06'46" N, 145°42'42" E); to a point 15°24'21" N, 145°11'21" E; then to the point of origin.

(b) *Outer boundary.* The area bounded by a circle with a radius of 250 NM centered at latitude 13°32'41" N, longitude 144°50'30" E.

§ 99.47 Hawaii ADIZ.

(a) *Outer boundary.* The area included in the irregular octagonal figure formed by a line connecting 26°30' N, 156°00' W; 26°30' N, 161°00' W; 24°00' N, 164°00' W; 20°00' N, 164°00' W; 17°00' N, 160°00' W; 17°00' N, 156°00' W; 20°00' N, 153°00' W; 22°00' N, 153°00' W; to point of beginning.

(b) *Inner boundary.* The inner boundary to follow a line connecting 22°30' N, 157°00' W; 22°30' N, 160°00' W; 22°00' N, 161°00' W; 21°00' N, 161°00' W; 20°00' N,

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160°00' W; 20°00' N, 156°30' W; 21°00' N, 155°30' W; to point of beginning.

§ 99.49 Defense Area.

All airspace of the United States is designated as Defense Area except that airspace already designated as Air Defense Identification Zone.

PART 101—MOORED BALLOONS, KITES, UNMANNED ROCKETS AND UNMANNED FREE BALLOONS

Subpart A—General

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Subpart D—Unmanned Free Balloons

- 101.31 Applicability.
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AUTHORITY: 49 U.S.C. 106(g), 40103, 40113-40114, 45302, 44502, 44514, 44701-44702, 44721, 46308.

Subpart A—General

§ 101.1 Applicability.

(a) This part prescribes rules governing the operation in the United States, of the following:

(1) Except as provided for in §101.7, any balloon that is moored to the surface of the earth or an object thereon and that has a diameter of more than 6 feet or a gas capacity of more than 115 cubic feet.

(2) Except as provided for in §101.7, any kite that weighs more than 5 pounds and is intended to be flown at the end of a rope or cable.

(3) Any unmanned rocket except:

- (i) Aerial firework displays; and,
- (ii) Model rockets:

(a) Using not more than four ounces of propellant;

(b) Using a slow-burning propellant;

(c) Made of paper, wood, or breakable plastic, containing no substantial metal parts and weighing not more than 16 ounces, including the propellant; and

(d) Operated in a manner that does not create a hazard to persons, property, or other aircraft.

(4) Except as provided for in §101.7, any unmanned free balloon that—

(i) Carries a payload package that weighs more than four pounds and has a weight/size ratio of more than three ounces per square inch on any surface of the package, determined by dividing the total weight in ounces of the payload package by the area in square inches of its smallest surface;

(ii) Carries a payload package that weighs more than six pounds;

(iii) Carries a payload, of two or more packages, that weighs more than 12 pounds; or

(iv) Uses a rope or other device for suspension of the payload that requires an impact force of more than 50 pounds to separate the suspended payload from the balloon.

(b) For the purposes of this part, a *gyroglider* attached to a vehicle on the surface of the earth is considered to be a kite.

[Doc. No. 1580, 28 FR 6721, June 29, 1963, as amended by Amdt. 101-1, 29 FR 46, Jan. 3, 1964; Amdt. 101-3, 35 FR 8213, May 26, 1970]

§ 101.3 Waivers.

No person may conduct operations that require a deviation from this part except under a certificate of waiver issued by the Administrator.

[Doc. No. 1580, 28 FR 6721, June 29, 1963]

§ 101.5 Operations in prohibited or restricted areas.

No person may operate a moored balloon, kite, unmanned rocket, or unmanned free balloon in a prohibited or