

## Federal Aviation Administration, DOT

## § 95.13

- 95.19 Hawaii Mountainous Area.  
95.21 Puerto Rico Mountainous Area.

### Subpart C—En Route IFR Altitudes Over Particular Routes and Intersections

- 95.31 General.

### Subpart D—Changeover Points

- 95.8001 General.

AUTHORITY: 49 U.S.C. 106(g), 40103, 40113, and 14 CFR 11.49(b)(2).

## Subpart A—General

### § 95.1 Applicability.

(a) This part prescribes altitudes governing the operation of aircraft under IFR on Federal airways, jet routes, area navigation low or high routes, or other direct routes for which a MEA is designated in this part. In addition, it designates mountainous areas and changeover points.

(b) The MAA is the highest altitude on a Federal airway, jet route, area navigation low or high route, or other direct route for which a MEA is designated in this part at which adequate reception of navigation aid signals is assured.

(c) The MCA applies to the operation of an aircraft proceeding to a higher minimum en route altitude when crossing specified radio fixes.

(d) The MEA prescribed for a Federal airway or segment thereof, area navigation low or high route, or other direct route, applies to the entire width of the airway, segment or route between the radio fixes defining the airway, segment or route. An MEA prescribed for an off-airway route or route segment applies to the airspace five statute miles on each side of a direct course between radio fixes defining that route or route segment.

(e) The MOCA applies to the operation of an aircraft within 25 statute miles of the VOR station concerned. The MOCA assures obstruction clearance between the fixes specified but adequate reception of navigational signals is assured only within 25 miles of the VOR station concerned.

(f) The MRA applies to the operation of an aircraft over an intersection used in the navigation of that aircraft. The

MRA is the lowest altitude at which the intersection can be determined.

(g) The COP applies to operation of an aircraft along a Federal airway, jet route, area navigation low or high route, or other direct route for which a MEA is designated in this part. It is the most appropriate point for transfer of the airborne navigation reference between the facility or way point abaft the aircraft and the next appropriate facility or way point along the Federal airway, jet route, area navigation low or high route, or other direct route that provides:

(1) Continuous reception between facilities; and

(2) A common source of azimuth guidance for all aircraft operating along the same segment of the Federal airway, jet route, area navigation low or high route, or other direct route.

[Doc. No. 1580, 28 FR 6718, June 29, 1963, as amended by Amdt. 95-118, 29 FR 13166, Sept. 23, 1964; Amdt. 95-198, 35 FR 14610, Sept. 18, 1970]

### § 95.3 Symbols.

For the purposes of this part—

- (a) *COP* means changeover point.  
(b) *L* means compass locator;  
(c) *LF/MF* means low frequency, medium frequency;  
(d) *LFR* means low frequency radio range;  
(e) *VOR-E* means VOR and distance measuring equipment; and  
(f) *Z* means a very high frequency location marker.

[Doc. No. 1580, 28 FR 6718, June 29, 1963, as amended by Amdt. 95-118, 29 FR 13166, Sept. 23, 1964]

## Subpart B—Designated Mountainous Areas

### § 95.11 General.

The areas described in this subpart are designated mountainous areas.

[Doc. No. 1580, 28 FR 6718, June 29, 1963]

### § 95.13 Eastern United States Mountainous Area.

All of the following area excluding those portions specified in the exceptions.

- (a) *Area*.



latitude 42°26' N., longitude 79°13' W.; thence to latitude 42°05' N., longitude 80°00' W.; thence to latitude 40°50' N., longitude 80°00' W.; thence to latitude 40°26' N., longitude 79°54' W.; thence to latitude 38°25' N., longitude 81°46' W.; thence to latitude 36°00' N., longitude 86°00' W.; thence to latitude 33°37' N., longitude 86°45' W.; thence to latitude 32°30' N., longitude 86°25' W.; thence to latitude 33°22' N., longitude 85°00' W.; thence to latitude 36°35' N., longitude 79°20' W.; thence to latitude 40°11' N., longitude 76°24' W.; thence to latitude 41°24' N., longitude 74°30' W.; thence to latitude 41°43' N., longitude 72°40' W.; thence to latitude 42°13' N., longitude 72°44' W.; thence to latitude 42°13' N., longitude 72°44' W.; thence to latitude 43°12' N., longitude 71°30' W.; thence to latitude 43°45' N., longitude 70°30' W.; thence to latitude 45°00' N., longitude 69°30' W.; thence to latitude 47°10' N., longitude 67°55' W., point of beginning.

(b) *Exceptions.* The area bounded by the following coordinates:

Beginning at latitude 45°00' N., longitude 73°26' W.; thence to latitude 44°32' N., longitude 73°04' W.; thence to latitude 42°51' N., longitude 73°41' W.; thence to latitude 41°38' N., longitude 73°46' W.; thence to latitude 41°16' N., longitude 73°50' W.; thence to latitude 41°17' N., longitude 74°00' W.; thence to latitude 41°25' N., longitude 73°58' W.; thence to latitude 41°26' N., longitude 74°01' W.; thence to latitude 41°37' N., longitude 73°58' W.; thence to latitude 42°41' N., longitude 73°55' W.; thence to latitude 43°02' N., longitude 76°15' W.; thence to latitude 43°17' N., longitude 75°21' W.; thence to latitude 42°59' N., longitude 74°43' W.; thence to latitude 42°52' N., longitude 73°53' W.; thence to latitude 44°30' N., longitude 73°18' W.; thence to latitude 45°00' N., longitude 73°39' W.; thence to latitude 45°00' N., longitude 73°26' W., point of beginning.

[21 FR 2750, Apr. 28, 1956. Redesignated by Amdt. 1-1, 28 FR 6718, June 29, 1963]

#### § 95.15 Western United States Mountainous Area.

All of the following area excluding that portion specified in the exceptions:

(a) *Area.* From the Pacific coastline of the United States, eastward along the Canadian and Mexican borders, to the following coordinates:

Beginning at latitude 49°00' N., longitude 108°00' W.; thence to latitude 46°45' N., longitude 104°00' W.; thence to latitude 44°06' N.,

longitude 103°15' W.; thence to latitude 43°00' N., longitude 103°15' W.; thence to latitude 41°52' N., longitude 103°39' W.; thence to latitude 35°11' N., longitude 103°39' W.; thence to latitude 33°17' N., longitude 104°27' W.; thence to latitude 32°17' N., longitude 104°14' W.; thence to latitude 29°48' N., longitude 102°00' W.

(b) *Exceptions.* (1) Beginning at latitude 35°25' N., longitude 119°09' W.; thence to latitude 35°29' N., longitude 118°58' W.; thence to latitude 36°49' N., longitude 119°37' W.; thence to latitude 38°30' N., longitude 121°24' W.; thence to latitude 39°30' N., longitude 121°32' W.; thence to latitude 40°08' N., longitude 122°08' W.; thence to latitude 40°06' N., longitude 122°20' W.; thence to latitude 39°05' N., longitude 122°12' W.; thence to latitude 38°01' N., longitude 121°51' W.; thence to latitude 37°37' N., longitude 121°12' W.; thence to latitude 37°00' N., longitude 120°58' W.; thence to latitude 36°14' N., longitude 120°11' W., point of beginning.

(2) Beginning at latitude 49°00' N., longitude 122°21' W.; thence to latitude 48°34' N., longitude 122°21' W.; thence to latitude 48°08' N., longitude 122°00' W.; thence to latitude 47°12' N., longitude 122°00' W.; thence to latitude 46°59' N., longitude 122°13' W.; thence to latitude 46°52' N., longitude 122°16' W.; thence to latitude 46°50' N., longitude 122°40' W.; thence to latitude 46°35' N., longitude 122°48' W.; thence to latitude 46°35' N., longitude 123°17' W.; thence to latitude 47°15' N., longitude 123°17' W.; thence to latitude 47°41' N., longitude 122°54' W.; thence to latitude 48°03' N., longitude 122°48' W.; thence to latitude 48°17' N., longitude 123°15' W.; thence North and East along the United States and Canada Boundary to latitude 49°00' N., longitude 122°21' W., point of beginning.

[21 FR 2750, Apr. 28, 1956. Redesignated by Amdt. 1-1, 28 FR 6718, June 29, 1963, and amended by Amdt. 95-255, 40 FR 2579, Jan. 14, 1975]

#### § 95.17 Alaska Mountainous Area.

All of the following area excluding those portions specified in the exceptions:

(a) *Area.* The Territory of Alaska.

(b) *Exceptions.*

(1) Beginning at latitude 64°54' N., longitude 147°20' W.; thence to latitude 64°50' N., longitude 151°22' W.; thence to latitude 64°26' N., longitude 151°22' W.; thence to latitude 64°25' N., longitude 147°20' W.; thence to latitude 64°54' N., longitude 147°20' W., point of beginning.