ENROUTE CHARTS

GENERAL

MEAs followed by the letter D indicates: DME/DME/IRU In the US (not including Q routes in the Gulf of Mexico) GNSS or DME/DME/IRU RNAV required, unless otherwise indicated. Radar monitoring required.

NEW YORK OCEANIC FLIGHT INFORMATION REGION (FIR) ident chgd to KZWY.

UNITED STATES

NAVAIDS

BURWI, Tenn (ULH) NDB decmsnd (N35 W086). LO-37.
CAMILLA, GA NDB (CXU) decmsnd (N31 W084). LO-50.
CARTERSVILLE, GA (EVZ) NDB decmsnd (N34 W084). LO-49.
DIXON, N Car (DIW) DME decmsnd (N34 W077). LO-38.

Graham NDB (GHX) freq 371 OTS indefinitely.

KEWANEE, Miss (EWA) VORTAC chgd to DME (N32 W088). LO-39.
PICAYUNA, Miss (PCU) VOR freq chgd to 114.15 (N30 W089). LO-40.
REDSTONE ARSENAL, Ala (HUA) NDB decmsnd (N34 W086). LO-37.
WASHINGTON/WILKES CO, GA NDB decmsnd (N33 W082). LO-49.

AIRPORTS

MARATHON, Fla - Intl CTAF 122.9 (N24 W081). LO-52.
MONROE, Ga -Walton Co renamed Nunnally Meml (N33 W083). LO-49.
PERRY, Fla - FOLEY ident chgd to KFPY (N30 W083). LO-50.
Statesboro, GA CTAF 122.72 (N32 W081). LO-49.
SUMNER COUNTY RGNL renamed Music City Exec (N36 W086). LO-37.

Tyndall, Fla. - AFB control tower hours of operation 0600-1600 LT Mon-Fri (N30 W85). LO-50.

AIRWAYS


T239 estbld. SWIKI - GANTT 293°/113°, 35NM, MEA 2500; GANTT - ICAYV 293°/112°, 7NM, MEA 2300; ICAYV - GOINS (N 34 46.2 W 089 29.8) NCRP 292°/112°, 39NM, MEA 2400. LO-37.
V5 withdrawn Choo Choo, Tenn (GQO) VOR - New Hope, Ky (EWO) VOR (N34 W085). Eff 10 Sep 20. LO-37.
V18 withdrawn Vulcan, Ala (VUZ) VOR - Colliers, S Car (IRQ) VOR. APIAN, ARPPE, CONN, EXJAN, MEGNN and RAFE, Ga withdrawn (N33 W084) LO-39, LO-49.
V49 FOLS0, Ala - MASHA MEA 3000' N-bnd 3100’ S-bnd (N34 W086). LO-37, LO-39.
V52 withdrawn Bowling Green, Ky (BWG) VOR - Livingston, Tenn (LVT) VOR (N36 W086). Eff 10 Sep 20. LO-37.
V56 withdrawn Meridian, Miss (MEI) VOR - Montgomery, Ala (MGM) VOR. LO-39.
V159 Pecan, Ga (PZD) VOR - SHANY MEA 2200’ (N31 W084). LO-50.
V159-295 COP 28NM from Ocala, Fla (OCF) VOR/22NM from Cross City (CTY) VOR (N29 W082). LO-51.
V243 withdrawn Choo Choo, Tenn (GQO) VOR - Bowling Green, Ky (BWG) VOR (N34 W085). Eff 10 Sep 20. LO-37.


V311 MADOW, Ga - NELLO MEA 8000’ (N34 W084). LO-37.

V437 Charleston, S Car (CHS) VOR - WESEL MEA 1800 S-Bnd 4000 N-Bnd; WESEL - Florence (FLO) VOR MEA 4000 (N33 W079). Eff 10 Sep 20. LO-49.


V492 withdrawn St Petersburg, Fla (PIE) VOR - La Belle (LBV) VOR (N27W082). LO-51, LO-52.


AIRSPACE

Lakeland, Fla - Linder Intl Class D and control tower Time of ops chgd to continuous (N27 W082). LO-51.


OFF-AIRWAY INTERSECTIONS & HOLDING PATTERNS


BUTRR, Mich withdrawn.

DEANR, Fls RNAV NCRP estbld (N29 15.5 W083 03.5). LO-51.

EVAZ, Fls RNAV NCRP estbld (N29 54.2 W082 52.1). LO-50.

FEMID, Fls RNAV NCRP estbld at N26 06.5 W081 27.4 LO-52.

JAYMC, Fls RNAV NCRP estbld at N26 58.9 W081 22.1. LO-51, LO-52.


OCTAL, Fls RNAV NCRP estbld (N26 09.0 W080 12.2). LO-52.


SOTWO, Ga withdrawn (N33 W084). LO-49.

TAKEN, Tenn HOLDING estbld; 074° inbound track, RIGHT turns (N36 W082). LO-38.

THMPR, Fls RNAV NCRP estbld at N26 46.0 W082 20.4. LO-52.

TWINS, Ga RNAV NCRP estbld at N32 46.7 W082 18.7 LO-49.

KANSAS CITY FIR

AIRWAYS

V313 withdrawn Malden (MAW) VOR to Centralia (ENL) VOR (N38 W089). LO-37.

TERMINAL CHARTS

GENERAL

Due to a change of the FAA’s statute mile equivalent value for RVR, approach charts with a visibility of RVR 55 or 1 1/4 should be RVR 55 or 1.

ILS Procedures RVR 1800 Statute Mile Equivalent-U.S. FAA Airports

On a number of ILS approach procedures at U.S. FAA airports, the published landing visibility value of RVR 1800 depicts a Statute Mile equivalent value of 3/8 Statute Mile. According to FAA FAR and AIM publications, the Statute Mile equivalent for RVR 1800 should be 1/2 Statute Mile Beginning with the revision dated 20 May 2016 affected U.S. ILS approach charts will be updated to depict the appropriate Statute Mile equivalent visibility of 1/2 Statute Mile.

MALSR & SSALR RAIL out Lighting Condition - U.S. FAA Locations

The FAA has confirmed that for MALSR and SSALR approach light systems, the RAIL out, or partial system condition, is not applicable when determining landing visibilities

When any component of a MALSR or SSALR approach light system is inoperative, such as RAIL out, the landing visibilities should be determined as if the entire lighting system were inoperative (ALS out). Therefore, the RAIL out visibility column should be disregarded.

TERMINAL

ALABAMA

Albertville, (Albertville Regl-Brunlilk), (10-9) Airport page, AWOS-3 changed to AWOS-3PT.

(12-1) RNAV (GPS) Rwy 5, AWOS-3 changed to AWOS-3PT.

(12-2) RNAV (GPS) Rwy 23, AWOS-3 changed to AWOS-3PT.

Andalusia, (South Alabama Regl), Location Name changed to Andalusia.

Brewton, (Brewton Mun), (10-9, 13-1) AWOS-3 changed to AWOS-3PT

Cullman, (Cullman Regl-Folsom), (Series) AWOS-3 changed to AWOS-3PT

(Series) AWOS-3 changed to AWOS-3PT.

Decatur, (Pryor Regl), (12-2) RNAV (GPS) Rwy 36, Amendment changed from AMEND 2 to AMEND 2A, Procedure Amendment Reference 28 APR 2016.

Demopolis, (Demopolis Regl), (Series) AWOS changed to AWOS-3P

Enterprise, (Enterprise Mun), (10-9) Rwy 23 PAPI-L angle changed to 3.50 degrees.

(Series) AWOS-3 changed to AWOS-3PT.

Fairhope, (HL Sonny Callahan), (Series) AWOS-3 changed to AWOS-3PT.

Ft Payne, (Isbell), (10-9) AIRPORT, AIRPORT INFO Rwy 22, PAPI-L changed to PAPI-R.

(12-2) RNAV (GPS) Y Rwy 22, PAPI-L changed to PAPI-R.

(12-3) RNAV (GPS) Z Rwy 22, PAPI-L changed to PAPI-R.
(Series) AWOS-3 changed to AWOS-3PT

**Gulf Shores**, (Edwards), (Series) AWOS-3 changed to AWOS-3PT.

**Hamilton**, (Marion Co-Rankin Fite), Rwys 18 and Rwys 36 visual glide angle 3.00 added

**Jasper**, (Walker Co-Bevill), (Series) AWOS-3 changed to AWOS-3PT.

**Marion**, (Vaiden), (Series) AWOS-3 changed to AWOS-3PT.

**Pell City**, (St Clair Co), (12-1) RNAV (GPS) Rwy 3, briefing strip note. 5. VGSI and descent angles not coincident (VGSI angle 3.00°/TCH 46°).

**Reform**, (North Pickens), (10-9) Rwy 1 TRCV-L (angle 6.00 degrees) added.

**Scottsboro**, (Scottsboro Mun-Word), (Series) AWOS-3 changed to AWOS-3PT

**Selma**, (Craig), (Series) AWOS-3 changed to AWOS-3PT

**Sylacauga**, (Merkel Sylacauga Mun), (Series) AWOS-3 119.12 changed to AWOS-3PT 119.12

**Talladega**, (Talladega Mun), (Series) AWOS changed to AWOS3-PT.

**Wetumpka**, (Wetumpka Mun), (10-9) Rwy 18/36 length changed from 2600’ to 2876’.

### FLORIDA

**Inverness**, (10-9) Airport, PAPI-R Rwy 1/19 changed to PAPI-L.

(12-1) RNAV (GPS) Rwy 1, PAPI-R changed to PAPI-L

(12-2) RNAV (GPS) Rwy 19, PAPI-R changed to PAPI-L

**Miami**, (Miami Executive), (Series) ATIS changed to ATIS (ASOS when TWR inop).

**Miami**, (Miami Intl), (12-23) RNAV (RNP) Y Rwy 27, Amendment changed from AMEND 2 to AMEND 2A, Procedure Amendment Reference 13 OCT 2016.

**Miami**, (Opa-Locka Executive), (21-1) ILS OR LOC Rwy 9L, Amendment changed from AMEND 5A to AMEND 5B, Procedure Amendment Reference 29 MAR 2018.

(21-2) ILS OR LOC Rwy 12, Amendment changed from AMEND 2A to AMEND 2B, Procedure Amendment Reference 29 MAR 2018.

(21-3) ILS OR LOC Rwy 27R, Amendment changed from AMEND 1B to AMEND 1C, Procedure Amendment Reference 29 MAR 2018.

(22-1) RNAV (GPS) Rwy 9L, Amendment changed from AMEND 0A to AMEND 0B, Procedure Amendment Reference 29 MAR 2018.

(22-2) RNAV (GPS) Rwy 12, Amendment changed from AMEND 0A to AMEND 0B, Procedure Amendment Reference 29 MAR 2018.

(Series) Airport name change to -Opa Locka Executive. Eff 12 OCT 2017.

**Okeechobee**, (Okeechobee Co), (12-4) RNAV (GPS) Rwy 32, Amendment changed from AMEND 0C to AMEND 0D, Procedure Amendment Reference 12 OCT 2017.

**Orlando**, (Executive), (Series) ATIS changed to ATIS (ASOS when TWR inop).

**Ormond Beach**, (Ormond Beach Mun), (Series) ATIS (AWOS when TWR inop) changed to ATIS (AWOS-3 when TWR inop).

**Palm Coast**, (Flagler Executive), (10-9A1) ODP takeoff obstacle notes, Amendment changed from AMEND 2 to AMEND 2A, Procedure Amendment Reference 23 APR 2020.

**Panama City**, (Northwest Florida Beaches Intl), (11-1) ILS or LOC Rwy 16, Amendment changed from AMEND 3 to AMEND 3A, Procedure Amendment Reference 30 JAN 2020.

(11-1A) ILS Rwy 16 SA CAT I, Amendment changed from AMEND 3 to AMEND 3A, Procedure Amendment Reference 30 JAN 2020.

(11-1B) ILS Rwy 16 SA CAT II, Amendment changed from AMEND 3 to AMEND 3A, Procedure Amendment Reference 30 JAN 2020.

**Plant City**, (10-9) Airport page; Rwy 10 PAPI-L (angle 3.00 degrees/TCH 20), Rwy 28 PAPI-L (angle 3.00 degrees/TCH 36)

**Quincy**, (Quincy Mun), (10-9) Airport page; Rwy 14 PAPI-R and Rwy 32 PAPI-L removed.

(Series) AWOS-3 changed to AWOS-3PT.

**Sarasota/Bradenton**, (Sarasota-Bradenton Intl), (10-9A) Airport Info; Note added; “Aircraft run-ups prohibited at terminal gates.”

**Sebastian**, (Sebastian Mun), (12-1) RNAV (GPS)-A; Amendment number changed from 0 to 0A, Procedure Amendment Reference 28 FEB 2018.

(12-2) RNAV (GPS)-B; Amendment number changed from 0 to 0A, Procedure Amendment Reference 28 FEB 2018.

**Titusville**, (Space Coast Regl), (Series) Change “ATIS (AWOS-3PT when TWR inop)” to “ATIS“

**Tyndall AFB**, (Panama City), (38-1) PAR/ASR ALL Rwys changed to amendment 2

**Whiting Fl NAS (North)**, (Milton), (38-1) Amendment number 5.

**Zephyrhills**, (Zephyrhills Mun), (10-9) Airport page; ZEPHYRHILLS MUN Radio (GCO) 135.075 changed to ZEPHYRHILLS MUN Radio 135.075.
SOUTHEAST US

GEORGIA

Albany, (Southwest Georgia Regl), (12-1) RNAV (GPS) Rwy 4, Amendment changed from AMEND 1A to AMEND 1B, Procedure Amendment Reference 2 MAR 2017.

Athens, (Athens/Epps), (10-9A) Airport Info, Rwy 2/20 Rwy Treatment - None.

Atlanta, (Cobb Co Intl-McCollum), (Series) AWOS-3 changed to AWOS-3PT.

Atlanta, (Covington Mun), (92-2) RNAV (GPS) Rwy 28, Amendment changed from AMEND 1B to AMEND 1C, Procedure Amendment Reference 15 SEP 2016.

Bainbridge, (Decatur Co Industrial), (Series) AWOS-3 changed to AWOS-3PT.

Baxley, (Baxley Mun), (Series) AWOS-3 changed to AWOS-3PT.

Blakely, (Early Co), (SERIES) AWOS-3 changed to AWOS-3PT.

Cairo, (Cairo-Grady Co), (10-9) Rwy 13 PAPI-L angle chgd to 3.5°. Rwy 31 PAPI-L angle chgd to 3.0°.

Dalton, (Dalton Mun), (Series) AWOS-3 changed to AWOS-3PT.

Dobbins AFB, (Marietta), (30-9) APT - ASSAULT STRIP landing dist 3495', mag bearings 109/289 degrees.

Hampton, (Henry Co), (10-9) Airport page, Amendment changed from AMEND 2 to AMEND 2A, Procedure Amendment Reference 16 JUL 2020.

Hunter AAF, (Savannah), (31-1 APT) Building (Hangar) 7913 change to 7911.

Jasper, (Pickens Co), (Series) Change AWOS-3 to AWOS-3P.

Jefferson, (Jackson Co), (13-1) VOR DME Rwy 35; Amendment number changed from 3 to 3A, Procedure Amendment Reference 15 SEP 2016.

Louisville, (Louisville Mun), (12-1) RNAV (GPS) Rwy 13, Amendment changed from AMEND 0 to AMEND 0A, Procedure Amendment Reference 9 NOV 2017.

Macon, (Middle Georgia Regl), (12-3) RNAV (GPS) Rwy 23; Amendment number changed from 2E to 2F, Procedure Amendment Reference 20 JUN 2019.

Moultrie, (Moultrie Mun), (16-1) NDB-A; AWOS-3 118.92 changed to AWOS-3PT 118.925.

Thomasville, (Thomasville Mun), (Series) AWOS-3 changed to AWOS-3PT.

Washington, (Washington-Wilkes Co), (12-1) RNAV (GPS) Rwy 13, Amendment changed from AMEND 1 to AMEND 1A, Procedure Amendment Reference 13 OCT 2016.

13-1 NDB ILY DCMSND. (13-1) VOR DME Rwy 13; Amendment number changed from 3 to 3A, Procedure Amendment Reference 15 SEP 2016.

Waycross, (Waycross-Ware Co), (11-1) ILS Z or LOC Z Rwy 19, Amendment changed from AMEND 3 to AMEND 3A, Procedure Amendment Reference 28 APR 2016.

MISSISSIPPI

Booneville/Baldwyn, Rwy 15 and Rwy 33, PAPI-L (angle 3.00°) added.

Columbia, (Columbia-Marion Co), (10-9) Apt rwy 5 PAPI-L added angle 3.00°.

Laurel, (Hesler-Noble), (Series) AWOS-3 changed to AWOS-3PT.

Lexington, (Moore), Rwy 19 PAPI-L added.

Meridian, (Key), (10-9A) Airport Info (CONTD), Take-Off Mnms - remove Grooved status from Rwy 1-19.

(12-1) RNAV (GPS) Rwy 1. Update to AMEND 3C 7 DEC 2017.

Okolona, (Okolona Mun-Stovall), (10-9) Airport Diagram, Amendment change from AMEND 0 to AMEND 1. Effective 24 JUL 2014.


NORTH CAROLINA

Ahoskie, (Tri Co), (Series) APh/Dep RADDR added.

Charlotte, (Charlotte/Douglas IntlI), (11-3, 11-8, 11-8A, 11-8B) Ground frequency sectorization. 121.9 (360°-179°) changed to 121.9 (EAST), 121.8 (180°-359°) changed to 121.8 (WEST).

Charlotte Approach, frequency 120.05 sectorization should read 120-295 degrees, frequency 134.75 sectorization should read 296-360 degrees.

Edenton, (Northeastern Regl), (Series) APh/Dep RADDR added.

Jacksonville, (Ellis), (Series) ATIS changed to ATIS (AWOS-3PT When Twr Inop).

Mt Airy, (Mt Airy-Surry Co), (12-2) RNAV (GPS) Rwy 36, Amendment changed from AMEND 1 to AMEND 1A, Procedure Amendment Reference 28 FEB 2019.

Pinehurst/Southern Pines, (Moore Co), (Series) AWOS-3PT changed to AWOS-3.

Rockingham, (Richmond Co), (Series) AWOS changed to AWOS-3.

Sylva, (Jackson Co), (12-7) Copter RNAV (GPS) 150 deg, Automated UNICOM deleted.

Winston-Salem, (Smith Reynolds), (11-1) ILS or LOC Rwy 33, ATIS changed to ATIS (ASOS when Twr inop).

(13-1) VOR Rwy 15, ATIS changed to ATIS (ASOS when Twr inop).

SOUTH CAROLINA

Aiken, (Aiken Mun), (13-1) VOR DME-A, Amendment changed from AMEND 1A to AMEND 1B, Procedure Amendment Reference 19 JUL 2018.

(16-1) NDB Rwy 25, Amendment changed from AMEND 10C to AMEND 10D, Procedure Amendment Reference 19 JUL 2018.

Chester, (Chester Cawaba Regl), (10-9) Rwy 17 PAPI-L angle chgd to 3.0°.

Columbia, (Columbia Metro), (12-3) RNAV (GPS) Rwy 23, AMEND 2B. 7 DEC 2017.
(12-4) RNAV (GPS) RWY 29, AMEND 1C. 7 DEC 2017
Pageland, (10-9) Airport page, Rw 6 PAPI-L (angle 3.00/TCH 42'), Rw 24 PAPI-L (angle 3.00/TCH 40')
(12-1) RNAV (GPS) Rw 6, PAPI-L (angle 3.00/TCH 42')
(12-2) RNAV (GPS) Rw 24, PAPI-L (angle 3.00/TCH 40')
(16-1) NDB Rw 24, PAPI-L (angle 3.00/TCH 40')
Pelion, (Lexington Co at Pelion), (10-9) Airport Info; Airport name changed from LEXINGTON CO AT PELION to LEXINGTON CO.

TENNESSEE
Camden, (Benton Co), (10-9) Airport page, Rw 4 PAPI-L (angle 3.5 degrees).
(10-9) Rw 22 PAPI-L (angle 3.35°, TCH 17') added.
Chattanooga, (Lovell), (Series) ATIS* (ASOS when twr inop.) 119.85.
Huntingdon, (Carroll Co), (10-9, 12-2) Rw 19 PAPI-L changed to PAPI-R (angle 4.00 degrees).
Jasper, (Marion Co-Brown), (10-9) Additional Runway Information - Rw 22 PAPI-L (angle 3.5°) - delete TCH value.
Knoxville, (Mc Ghee Tyson), (11-1) ILS OR LOC RWY 5L, AMEND changed to 9A. PAR date 02MAR2017
(11-1) LOC-FREQ 110.75
Livingston, (Livingston Mun), (13-1) VOR DME Rw 21; Amendment number changed from 5B to 5C, Procedure Amendment Reference 2 MAR 2017.
Memphis, (Gen Dewitt Spain), (SERIES) AWOS-A changed to AWOS-AV
Millington, (Baker), (20-9) Airport page, Rw 18/36 PAPI-L angle changed to 3.50 degrees.
Millington-Memphis, (-Regl Jetport), (series) City name changed to Millington/Memphis.
Oneida, (Scott Mun), (13-1) VOR DME-A, Amendment changed from AMEND 5C to AMEND 5D. Procedure Amendment Reference 5 JAN 2017.
Selmer, (Sibley), (10-9) Airport page; Rw 35 PAPI angle changed from 3.00 degrees to 4.00 degrees.
Smithville, (Smithville Mun), (10-9) Rw 6, PAPI-L (angle 3.00°), Rw 24, PAPI-L (angle 3.50°)
Union City, (Everett-Stewart), (12-1) RNAV (GPS) Rw 1: Amendment changed from AMEND 4 to AMEND 4A. Procedure Amendment Reference: 2 MAR 2017.
(12-2) RNAV (GPS) Rw 19: Amendment changed from AMEND 2 to AMEND 2A. Procedure Amendment Reference: 2 MAR 2017.