U.S. Department
of Transportation

800 Independence Ave., S.W.
Washington, D.C. 20591

**Federal Aviation
Administration**

**Transmittal Letter 10-03** **December 25, 2009**

**PREPARED BY THE NATIONAL FLIGHT DATA CENTER, AJR-321
(AVAILABLE ON THE WEB AT HTTP://NFDC.FAA.GOV)**

**The enclosed Standard Instrument Approach Procedures, Departure Procedures/Takeoff Minimums and Fix Actions are effective as indicated.**

[4910-13]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 97

[Docket No. 30703 Amdt. No 3354]

Standard Instrument Approach Procedures, and Takeoff Minimums and Obstacle Departure Procedures; Miscellaneous Amendments

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Final Rule.

SUMMARY: This establishes, amends, suspends, or revokes Standard Instrument Approach Procedures (SIAPs) and associated Takeoff Minimums and Obstacle Departure Procedures for operations at certain airports. These regulatory actions are needed because of the adoption of new or revised criteria, or because of changes occurring in the National Airspace System, such as the commissioning of new navigational facilities, adding new obstacles, or changing air traffic requirements. These changes are designed to provide safe and efficient use of the navigable airspace and to promote safe flight operations under instrument flight rules at the affected airports.

DATES: This rule is effective [INSERT DATE OF PUBLICATION IN THE FEDERAL REGISTER]. The compliance date for each SIAP, associated Takeoff Minimums, and ODP is specified in the amendatory provisions.

The incorporation by reference of certain publications listed in the regulations is approved by the Director of the

Federal Register as of [INSERT DATE OF PUBLICATION IN THE FEDERAL REGISTER].

ADDRESSES: Availability of matters incorporated by reference in the amendment is as follows:

For Examination-

1. FAA Rules Docket, FAA Headquarters Building, 800 Independence Avenue, SW., Washington, DC 20591;

2. The FAA Regional Office of the region in which the affected airport is located;

3. The National Flight Procedures Office, 6500 South MacArthur Blvd., Oklahoma City, OK 73169 or,

4. The National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to: http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.

Availability- All SIAPs and Takeoff Minimums and ODPs are available online free of charge. Visit http://www.nfdc.faa.gov to register. Additionally, individual SIAP and Takeoff Minimums and ODP copies may be obtained from:

1. FAA Public Inquiry Center (APA-200), FAA Headquarters Building, 800 Independence Avenue, SW., Washington, DC 20591; or

2. The FAA Regional Office of the region in which the affected airport is located.

FOR FURTHER INFORMATION CONTACT: Harry J. Hodges, Flight Procedure Standards Branch (AFS-420), Flight Technologies and Programs Divisions, Flight Standards Service, Federal Aviation

Administration, Mike Monroney Aeronautical Center, 6500 South MacArthur Blvd. Oklahoma City, OK. 73169 (Mail Address: P.O. Box 25082, Oklahoma City, OK 73125) Telephone: (405) 954-4164.

SUPPLEMENTARY INFORMATION: This rule amends Title 14 of the Code of Federal Regulations, Part 97 (14 CFR part 97), by establishing, amending, suspending, or revoking SIAPS, Takeoff Minimums and/or ODPS. The complete regulators description of each SIAP and its associated Takeoff Minimums or ODP for an identified airport is listed on FAA form documents which are incorporated by reference in this amendment under 5 U.S.C. 552(a), 1 CFR part 51, and 14 CFR part 97.20. The applicable FAA Forms are FAA Forms 8260-3, 8260-4, 8260-5, 8260-15A, and 8260-15B when required by an entry on 8260-15A.

The large number of SIAPs, Takeoff Minimums and ODPs, in addition to their complex nature and the need for a special format make publication in the Federal Register expensive and impractical. Furthermore, airmen do not use the regulatory text of the SIAPs, Takeoff Minimums or ODPs, but instead refer to their depiction on charts printed by publishers of aeronautical materials. The advantages of incorporation by reference are realized and publication of the complete description of each SIAP, Takeoff Minimums and ODP listed on FAA forms is unnecessary. This amendment provides the affected CFR sections and specifies the types of SIAPs and the effective dates of the, associated Takeoff Minimums and ODPs. This amendment also identifies the airport and its location, the procedure, and the amendment number.

THE RULE

This amendment to 14 CFR part 97 is effective upon publication of each separate SIAP, Takeoff Minimums and ODP as contained in the transmittal. Some SIAP and Takeoff Minimums and textual ODP amendments may have been issued previously by the FAA in a Flight Data Center (FDC) Notice to Airmen (NOTAM) as an emergency action of immediate flight safety relating directly to published aeronautical charts. The circumstances which created the need for some SIAP and Takeoff Minimums and ODP amendments may require making them effective in less than 30 days. For the remaining SIAPS and Takeoff Minimums and ODPS, an effective date at least 30 days after publication is provided.

Further, the SIAPs and Takeoff Minimums and ODPS contained in this amendment are based on the criteria contained in the U.S. Standard for Terminal Instrument Procedures (TERPS). In developing these SIAPS and Takeoff Minimums and ODPs, the TERPS criteria were applied to the conditions existing or anticipated at the affected airports. Because of the close and immediate relationship between these SIAPs, Takeoff Minimums and ODPs, and safety in air commerce, I find that notice and public procedures before adopting these SIAPS, Takeoff Minimums and ODPs are impracticable and contrary to the public interest and, where applicable, that good cause exists for making some SIAPs effective in less than 30 days.

## CONCLUSION

The FAA has determined that this regulation only involves an established body of technical regulations for which frequent and routine amendments are necessary to keep them operationally current. It, therefore--(1) is not a "significant regulatory action" under Executive Order 12866;(2) is not a "significant rule " under DOT Regulatory Policies and Procedures (44 FR 11034; February 26,1979) ; and (3)does not warrant preparation of a regulatory evaluation as the anticipated impact is so minimal. For the same reason, the FAA certifies that this amendment will not have a significant economic impact on a substantial number of small entities under the criteria of the Regulatory Flexibility Act.

List of Subjects in 14 CFR part 97:

Air Traffic Control, Airports, Incorporation by reference, and Navigation (Air).

Issued in Washington, DC on DEC 25 2009

John M. Allen

John M. Allen
Director, Flight Standards Service

ADOPTION OF THE AMENDMENT

Accordingly, pursuant to the authority delegated to me, Title 14, Code of Federal Regulations, Part 97 (14 CFR part 97) is amended by establishing, amending, suspending, or revoking Standard Instrument Approach Procedures and/or Takeoff Minimums and/or Obstacle Departure Procedures effective at 0902 UTC on the dates specified, as follows:

Part 97—Standard Instrument Approach Procedures

1. The authority citation for part 97 continues to read as follows:

AUTHORITY: 49 U.S.C. 106(g), 40103, 40106, 40113, 40114, 40120, 44502, 44514, 44701, 44719, 44721-44722.

2. Part 97 is amended to read as follows:

**Effective 11 FEB 2010**

Bethel, AK, Bethel, LOC/DME BC RWY 1L, Amdt 6, CANCELLED
Clarks Point, AK, Clarks Point, RNAV (GPS) RWY 18, Orig
Clarks Point, AK, Clarks Point, RNAV (GPS) RWY 36, Orig
Clarks Point, AK, Clarks Point, Takeoff Minimums and Obstacle DP, Orig
Elim, AK, Elim, ELIM ONE Graphic Obstacle DP
Elim, AK, Elim, RNAV (GPS) RWY 1, Orig
Elim, AK, Elim, RNAV (GPS) RWY 19, Orig
Unalaska, AK, Unalaska, Takeoff Minimums and Obstacle DP, Amdt 4
El Dorado, AR, South Arkansas Rgnl at Goodwin Field, ILS OR LOC RWY 22, Amdt 2
Auburn, CA, Auburn Muni, GPS RWY 7, Orig-A, CANCELLED
Auburn, CA, Auburn Muni, RNAV (GPS) RWY 7, Orig
Lancaster, CA, General WM J. Fox Airfield, RNAV (GPS) RWY 24, Orig
Marina, CA, Marina Muni, RNAV (GPS) RWY 11, Amdt 1
Marina, CA, Marina Muni, RNAV (GPS) RWY 29, Amdt 1
Marina, CA, Marina Muni, Takeoff Minimums and Obstacle DP, Amdt 2
Marina, CA, Marina Muni, VOR RWY 11, Amdt 1
Marina, CA, Marina Muni, VOR/DME RWY 29, Amdt 1
New Haven, CT, Tweed-New Haven, Takeoff Minimums and Obstacle DP, Amdt 5
Dunnellon, FL, Dunnellon/Marion Co and Park of Commerce, Takeoff Minimums and Obstacle DP, Orig
Bainbridge, GA, Decatur Co Industrial Air Park, LOC/NDB RWY 27, Orig, CANCELLED
Bainbridge, GA, Decatur Co Industrial Air Park, RNAV (GPS) RWY 9, Amdt 1
Bainbridge, GA, Decatur Co Industrial Air Park, RNAV (GPS) RWY 27, Amdt 1
Greensboro, GA, Green County Rgnl, LOC RWY 25, Amdt 3
Greensboro, GA, Green County Rgnl, RNAV (GPS) RWY 7, Amdt 1
Greensboro, GA, Green County Rgnl, RNAV (GPS) RWY 25, Amdt 1
Greensboro, GA, Green County Rgnl, VOR/DME-B, Amdt 2
Hilo, HI, Hilo Intl, PARIS FOUR Graphic Obstacle DP
Clarinda, IA, Schenck Field, GPS RWY 2, Orig-A, CANCELLED
Clarinda, IA, Schenck Field, GPS RWY 20, Orig-B, CANCELLED
Clarinda, IA, Schenck Field, RNAV (GPS) RWY 2, Orig
Clarinda, IA, Schenck Field, RNAV (GPS) RWY 20, Orig
Eagle Grove, IA, Eagle Grove Muni, NDB RWY 13, Amdt 2
Eagle Grove, IA, Eagle Grove Muni, RNAV (GPS) RWY 13, Orig
Eagle Grove, IA, Eagle Grove Muni, RNAV (GPS) RWY 31, Amdt 1
Eagle Grove, IA, Eagle Grove Muni, Takeoff Minimums and Obstacle DP, Amdt 3
Eagle Grove, IA, Eagle Grove Muni, VOR/DME-A, Amdt 2
Webster City, IA, Webster City Muni, GPS RWY 32, Orig, CANCELLED
Webster City, IA, Webster City Muni, RNAV (GPS) RWY 32, Orig
Webster City, IA, Webster City Muni, Takeoff Minimums and Obstacle DP, Orig
Topeka, KS, Philip Billard Muni, ILS OR LOC RWY 13, Amdt 33
Millinocket, ME, Millinocket Muni, Takeoff Minimums and Obstacle DP, Amdt 3

Granite Falls, MN, Granite Falls Muni/Lenzen-Roe Memorial Fld, GPS RWY 33, Orig-B, CANCELLED
Granite Falls, MN, Granite Falls Muni/Lenzen-Roe Memorial Fld, RNAV (GPS) RWY 33, Orig
Charlotte, NC, Charlotte/Douglas Intl, ILS OR LOC RWY 5, Amdt 38
Charlotte, NC, Charlotte/Douglas Intl, ILS OR LOC RWY 18C, Amdt 10
Charlotte, NC, Charlotte/Douglas Intl, ILS OR LOC RWY 18L, Amdt 7
Charlotte, NC, Charlotte/Douglas Intl, ILS OR LOC RWY 18R, ILS RWY 18R (CAT II), ILS RWY 18R (CAT III), Orig
Charlotte, NC, Charlotte/Douglas Intl, ILS OR LOC RWY 23, Amdt 3
Charlotte, NC, Charlotte/Douglas Intl, ILS OR LOC RWY 36C, ILS RWY 36C (CAT II), ILS RWY 36C (CAT III), Amdt 16
Charlotte, NC, Charlotte/Douglas Intl, ILS OR LOC RWY 36L, ILS RWY 36L (CAT II), ILS RWY 36L (CAT III), Orig
Charlotte, NC, Charlotte/Douglas Intl, ILS OR LOC RWY 36R, ILS RWY 36R (CAT II), ILS RWY 36R (CAT III), Amdt 11
Charlotte, NC, Charlotte/Douglas Intl, RNAV (GPS) Y RWY 5, Amdt 3
Charlotte, NC, Charlotte/Douglas Intl, RNAV (GPS) Y RWY 18C, Amdt 3
Charlotte, NC, Charlotte/Douglas Intl, RNAV (GPS) Y RWY 18L, Amdt 3
Charlotte, NC, Charlotte/Douglas Intl, RNAV (GPS) Y RWY 18R, Orig
Charlotte, NC, Charlotte/Douglas Intl, RNAV (GPS) Y RWY 23, Amdt 1
Charlotte, NC, Charlotte/Douglas Intl, RNAV (GPS) Y RWY 36C, Amdt 3
Charlotte, NC, Charlotte/Douglas Intl, RNAV (GPS) Y RWY 36L, Orig
Charlotte, NC, Charlotte/Douglas Intl, RNAV (GPS) Y RWY 36R, Amdt 3
Charlotte, NC, Charlotte/Douglas Intl, RNAV (RNP) Z RWY 5, Orig
Charlotte, NC, Charlotte/Douglas Intl, RNAV (RNP) Z RWY 18C, Orig
Charlotte, NC, Charlotte/Douglas Intl, RNAV (RNP) Z RWY 18L, Orig
Charlotte, NC, Charlotte/Douglas Intl, RNAV (RNP) Z RWY 18R, Orig
Charlotte, NC, Charlotte/Douglas Intl, RNAV (RNP) Z RWY 23, Orig
Charlotte, NC, Charlotte/Douglas Intl, RNAV (RNP) Z RWY 36C, Orig
Charlotte, NC, Charlotte/Douglas Intl, RNAV (RNP) Z RWY 36L, Orig
Charlotte, NC, Charlotte/Douglas Intl, RNAV (RNP) Z RWY 36R, Orig
Concord, NC, Concord Rgnl, Takeoff Minimums and Obstacle DP, Amdt 3
Monroe, NC, Charlotte-Monroe Executive, Takeoff Minimums and Obstacle DP, Amdt 1
Gastonia, NC, Gastonia Muni, Takeoff Minimums and Obstacle DP, Amdt 5
Kindred, ND, Hamry Field, Takeoff Minimums and Obstacle DP, Orig
Ithaca, NY, Ithaca Tompkins Rgnl, RNAV (GPS) Y RWY 14, Orig
Ithaca, NY, Ithaca Tompkins Rgnl, RNAV (GPS) Z RWY 14, Orig
Ithaca, NY, Ithaca Tompkins Rgnl, VOR RWY 14, Amdt 14
Ithaca, NY, Ithaca Tompkins Rgnl, VOR RWY 32, Amdt 2
Isla De Vieques, PR, Antonio Rivera Rodriquez, Takeoff Minimums and Obstacle DP, Amdt 2
Rock Hill, SC, Rock Hill/York Co/Bryant Field, Takeoff Minimums and Obstacle DP, Amdt 1

Walterboro, SC, Lowcountry Rgnl, GPS RWY 5, Orig-B, CANCELLED
Walterboro, SC, Lowcountry Rgnl, GPS RWY 17, Orig-A, CANCELLED
Walterboro, SC, Lowcountry Rgnl, GPS RWY 35, Orig-A, CANCELLED
Walterboro, SC, Lowcountry Rgnl, ILS OR LOC/DME RWY 23, Orig
Walterboro, SC, Lowcountry Rgnl, NDB RWY 23, Amdt 12
Walterboro, SC, Lowcountry Rgnl, RNAV (GPS) RWY 5, Orig
Walterboro, SC, Lowcountry Rgnl, RNAV (GPS) RWY 17, Orig
Walterboro, SC, Lowcountry Rgnl, RNAV (GPS) RWY 23, Orig
Walterboro, SC, Lowcountry Rgnl, RNAV (GPS) RWY 35, Orig
Graford, TX, Possum Kingdom, NDB OR GPS-A, Amdt 1, CANCELLED
Graford, TX, Possum Kingdom, RNAV (GPS) RWY 2, Orig
Graford, TX, Possum Kingdom, RNAV (GPS) RWY 20, Orig
Graford, TX, Possum Kingdom, Takeoff Minimums and Obstacle DP, Orig
Houston, TX, Sugar Land Rgnl, NDB RWY 17, Orig, CANCELLED
Salt Lake City, UT, Salt Lake City Intl, Takeoff Minimums and Obstacle DP, Amdt 11
Martinsville, VA, Blue Ridge, Takeoff Minimums and Obstacle DP, Amdt 3
Riverton, WY, Riverton Rgnl, GPS RWY 28, Orig-A, CANCELLED
Riverton, WY, Riverton Rgnl, ILS OR LOC RWY 28, Amdt 2
Riverton, WY, Riverton Rgnl, RNAV (GPS) RWY 10, Amdt 1
Riverton, WY, Riverton Rgnl, RNAV (GPS) RWY 28, Orig
Riverton, WY, Riverton Rgnl, Takeoff Minimums and Obstacle DP, Amdt 1
Riverton, WY, Riverton Rgnl, VOR RWY 10, Amdt 9
Riverton, WY, Riverton Rgnl, VOR RWY 28, Amdt 9

**On Monday, November 23, 2009 (74 FR 224) The FAA published an Amendment in Docket No. 30697; Amdt No. 3348 to Part 97 of the Federal Aviation Regulations under section 97.23. The following entry should not have been published:**

Wrangell AK, Wrangell, VOR/DME-B, Amdt 1, CANCELLED

**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**

**LOC/DME BC STANDARD INSTRUMENT APPROACH PROCEDURE**

**FLIGHT STANDARDS SERVICE - FAR PART 97.25**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**TERMINAL ROUTES**

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| | | | |

**MISSED APPROACH**

ADDITIONAL FLIGHT DATA:

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2.
3. FAC ____ FAF ____ DIST FAF TO MAP ____ THLD ____
4. MIN. ALT
8. MSA FROM:

MAG VAR: EPOCH YEAR:

TAKEOFF: | STANDARD | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

NOTES:

**PROCEDURE CANCELED EFFECTIVE** 11 FEB 2010

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 126 TDZE: 125 | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP | LOC/DME BC RWY 36 |
|---|---|---|---|---|---|
| **BETHEL, AK** | AIRPORT NAME: **BETHEL** | **I-BET** | **LOC/DME BC RWY 1L, AMDT 6, 11/20/2008** | AMDT | 5C |
| | | | | DATE | 01/18/2007 |

**FAA FORM 8260-5 / December 2002 (computer generated)**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| EPOMY (IAF) | CENDU (NOPT) (FB) | 273.20 / 5.00 | 2900 |
| DUHGO (IAF) | CENDU (NOPT) (FB) | 092.94 / 5.00 | 2900 |
| CENDU (IF/IAF) | BUNUW (FB) | 183.07 / 6.26 | 2000 |

## MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW18

CLIMB TO 2900 DIRECT HEGPI AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD N CENDU, RT, 183.07 INBOUND, 2900 FT. IN LIEU OF PT (IAF)
3. FAC: 183.02 FAF: BUNUW DIST FAF TO MAP: 5.74 THLD: 5.74
4. MIN. ALT: CENDU 2900, BUNUW 2000
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2000 GS ALT AT: BUNUW 2000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.07 TCH: 40.0 34:1 IS NOT CLEAR
8. MSA FROM:

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 002.86 INBOUND.
CHART FAS OBST: 155 TREE 585047N/1583020W
FAS OBST: 324 AAO 585443N/1582701W
424 AAO 585530N/1582646W
DISTANCE TO THLD FROM 294 HAT: 0.78 NM.
WAAS CHANNEL # 82213
REFERENCE PATH ID: W18A
CHART DILLINGHAM AWOS-3 135.550

MAG VAR: 15E EPOCH YEAR: 2010

## MINIMUMS

TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | X |

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| LPV DA | 355 | 1 | 294 | 355 | 1 | 294 | 355 | 1 | 294 | 355 | 1 | 294 | | | |
| LNAV/VNAV DA | 464 | 1 1/2 | 403 | 464 | 1 1/2 | 403 | 464 | 1 1/2 | 403 | 464 | 1 1/2 | 403 | | | |
| LNAV MDA | 620 | 1 | 559 | 620 | 1 | 559 | 620 | 1 1/2 | 559 | 620 | 1 3/4 | 559 | | | |
| | | | | | | | | | | | | | | | |
| CIRCLING | 620 | 1 | 540 | 620 | 1 | 540 | 620 | 1 1/2 | 540 | 640 | 2 | 560 | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

NOTES:
CHART NOTE: BARO-VNAV NA.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY.
SEE 8260-10

| CITY AND STATE | ELEVATION: 80 TDZE: 61 | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| CLARKS POINT, AK | AIRPORT NAME: CLARKS POINT | RNAV | RNAV (GPS) RWY 18, ORIG 11 FEB 2010 | AMDT: NONE |
| | | | | DATED |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES CONT.
CHART NOTE: USE DILLINGHAM ALTIMETER SETTING; WHEN NOT RECEIVED USE MANOKOTAK ALTIMETER SETTING AND INCREASE ALL DA/MDA 20FT.

TAA

| | FROM | TO | ALT |
|---|---|---|---|
| 1. | 093/30 CW 273/30 (NOPT) | 093/10 CW 273/10 | 5100 |
| 2. | 093/10 CW 273/10 | CENDU (IF/IAF) (FB) | 2900 |
| 3. | 273/30 CW 003/30 | EPOMY (IAF) (FB) | 2900 |
| 4. | 003/30 CW 093/30 | DUHGO (IAF) (FB) | 5100 |

QUALITY 2 CHECKED

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## FAS DATA BLOCK INFORMATION

| DATA FIELD | DATA |
|---|---|
| OPERATION TYPE | 0 |
| SBAS SERVICE PROVIDER IDENTIFIER | 0 |
| AIRPORT IDENTIFIER | PFCL |
| RUNWAY | RW18 |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | |
| REFERENCE PATH DATA SELECTOR | 0 |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | W18A |
| LTP/FTP LATITUDE | 585016.2575N |
| LTP/FTP LONGITUDE | 1583136.4415W |
| LTP/FTP ELLIPSOIDAL HEIGHT | +00315 |
| FPAP LATITUDE | 584851.7100N |
| FPAP LONGITUDE | 1583229.3000W |
| THRESHOLD CROSSING HEIGHT (TCH) | 00040.0 |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F |
| GLIDEPATH ANGLE (GPA) | 03.07 |
| COURSE WIDTH AT THRESHOLD | 106.75 |
| LENGTH OFFSET | 1776 |
| HORIZONTAL ALERT LIMIT (HAL) | 40.0 |
| VERTICAL ALERT LIMIT (VAL) | 50.0 |
| CRC REMAINDER | 651F660A |

## ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|---|---|
| ICAO CODE | PF |
| LTP ORTHOMETRIC HEIGHT | +00184 |
| FPAP ORTHOMETRIC HEIGHT | +00184 |

| CITY AND STATE | ELEVATION: 80 TDZE: 61 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| CLARKS POINT, AK | AIRPORT NAME: CLARKS POINT | RNAV | RNAV (GPS) RWY 18, ORIG 11 FEB 2010 | AMDT: NONE |
| | | | | DATED: |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**ARINC PACKET - 424-18 - RNAV (GPS)**

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------------------------
        SCANEAENRT   BUNUW PF0    W     N58554295W158281147                    E0153     NAR           BUNUW
        SCANEAENRT   CENDU PF0    W     N59013926W158242663                    E0154     NAR           CENDU
        SCANEAENRT   DUHGO PF0    W     N59031176W158333889                    E0153     NAR           DUHGO
        SCANEAENRT   EPOMY PF0    W     N59000611W158151520                    E0154     NAR           EPOMY
        SCANEAENRT   HEGPI PF0    W     N58382283W158385999                    E0152     NAR           HEGPI

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------------------------
        SCANP PFCLPFACLP     0     032YSN58500130W158314580E015000080         1800018000C    MNAR    CLARKS POINT

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------------------------
        SCANP PFCLPFFR18   ACENDU 010CENDUPFEA0EE AR   HF                    18310040    + 02900     18000                A JS
        SCANP PFCLPFFR18   ADUHGO 010DUHGOPFEA0E  A    IF                                        18000                A JS
        SCANP PFCLPFFR18   ADUHGO 020CENDUPFEA0EE   010TF                    09290050    + 02900                          A JS
        SCANP PFCLPFFR18   AEPOMY 010EPOMYPFEA0E  A    IF                                        18000                A JS
        SCANP PFCLPFFR18   AEPOMY 020CENDUPFEA0EE   010TF                    27320050    + 02900                          A JS
        SCANP PFCLPFFR18   R      010CENDUPFEA0E  I    IF                                  + 02900     18000                A JS
        SCANP PFCLPFFR18   R      020BUNUWPFEA1E  F 051TF                    18310063    + 02000                          A JS
        SCANP PFCLPFFR18   R      020BUNUWPFEA2WALPV       ALNAV/VNAV ALNAV                                                JS
        SCANP PFCLPFFR18   R      030RW18 PFPG0GY M 031TF                    18300057      00101           -307           A JS
        SCANP PFCLPFFR18   R      040HEGPIPFEA0EYM  010DF                                + 02900                          A JS
        SCANP PFCLPFFR18   R      050HEGPIPFEA0EE  R020HM                    00290040    + 02900                          A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------------------------
        SCANP PFCLPFGRW18    0032001830 N58501626W158313644+0600    +00315000610000400 60R

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------------------------
        SCANP PFCLPFPR18   RW18 001 0000W18A0N5850162575W15831364415+003150307N5848517100W158322930001067517760004 00F400500651F660A
        SCANP PFCLPFPR18   RW18 002E      +00184+00184LPV       82213
```

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 80 TDZE: 61 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| CLARKS POINT, AK | AIRPORT NAME: CLARKS POINT | RNAV | RNAV (GPS) RWY 18, ORIG 11 FEB 2010 | AMDT: NONE |
| | | | | DATED: |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

| ROUTES | TRANSITION | FIX | SEQ | USE | PATH | TURN | FO/FB | RNP | MAG(TRUE) | DISTANCE | ALTITUDE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | CENDU | CENDU | 010 | IAF | HF | R | FB | | 183.1(198T) | 004.0 | 02900 |
| | DUHGO | DUHGO | 010 | IAF | IF | | FB | | | | |
| | DUHGO | CENDU | 020 | | TF | | FB | 1.0 | 092.9(108T) | 005.0 | 02900 |
| | EPOMY | EPOMY | 010 | IAF | IF | | FB | | | | |
| | EPOMY | CENDU | 020 | | TF | | FB | 1.0 | 273.2(288T) | 005.0 | 02900 |
| | | CENDU | 010 | FACF | IF | | FB | | | | 02900 |
| | | BUNUW | 020 | FAF | TF | | FB | 0.5 | 183.1(198T) | 006.3 | 02000 |
| | | RW18 | 030 | MAP | TF | | FO | 0.3 | 183.0(198T) | 005.7 | 00101 |

| MISSED APPROACH | FIX | SEQ | USE | PATH | TURN | FO/FB | RNP | MAG(TRUE) | DISTANCE | ALTITUDE |
|---|---|---|---|---|---|---|---|---|---|---|
| | HEGPI | 040 | | DF | | FO | 1.0 | | | 02900 |
| | HEGPI | 050 | | HM | R | FO | 2.0 | 002.9(018T) | 004.0 | 02900 |

| POINT DATA | WAYPOINT | LAT IN SECS | LONG IN SECS | LAT IN MINS | LONG IN MINS |
|---|---|---|---|---|---|
| | BUNUW | N585542.95 | W1582811.47 | N5855.716 | W15828.191 |
| | CENDU | N590139.26 | W1582426.63 | N5901.654 | W15824.444 |
| | DUHGO | N590311.76 | W1583338.89 | N5903.196 | W15833.648 |
| | EPOMY | N590006.11 | W1581515.20 | N5900.102 | W15815.253 |
| | HEGPI | N583822.83 | W1583859.99 | N5838.381 | W15839.000 |
| | RW18 | N585016.26 | W1583136.44 | N5850.271 | W15831.607 |

| RUNWAY DATA | RWY | THRESHOLD ELEVATION | TCH |
|---|---|---|---|
| | RW18 | 00061 | 40 |

| CITY AND STATE | ELEVATION: 80 TDZE: 61 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| CLARKS POINT, AK | AIRPORT NAME: CLARKS POINT | RNAV | RNAV (GPS) RWY 18, ORIG 11 FEB 2010 | AMDT: NONE |
| | | | | DATED: |

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| JEGVO (IAF) | HEGPI (NOPT) (FB) | 092.73 / 5.00 | 2900 |
| IKULE (IAF) | HEGPI (NOPT) (FB) | 272.99 / 5.00 | 2900 |
| HEGPI (IF/IAF) | GACCU (FB) | 002.86 / 6.19 | 2000 |

## MISSED APPROACH

LNAV: RW36

CLIMB TO 2900 DIRECT CENDU AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 183.07 INBOUND.
CHART FAS OBST: 259 TREE 584914N/1583114W
GACCU TO RW36: 3.05/40
CHART DILLINGHAM AWOS-3 135.550

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD S HEGPI, RT, 002.86 INBOUND, 2900 FT. IN LIEU OF PT (IAF)
3. FAC: 002.91 FAF: GACCU DIST FAF TO MAP: 5.81 THLD: 5.81
4. MIN. ALT: HEGPI 2900, GACCU 2000
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM: ____

MAG VAR: 15E EPOCH YEAR: 2010

## MINIMUMS

TAKEOFF: ____ STANDARD X SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A X

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| LNAV MDA | 540 | 1 | 460 | 540 | 1 | 460 | 540 | 1 1/4 | 460 | 540 | 1 1/2 | 460 | | | |
| CIRCLING | 600 | 1 | 520 | 600 | 1 | 520 | 600 | 1 1/2 | 520 | 640 | 2 | 560 | | | |

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY.
CHART NOTE: USE DILLINGHAM ALTIMETER SETTING; WHEN NOT RECEIVED USE MANOKOTAK ALTIMETER SETTING AND INCREASE ALL MDA 20 FT.

| CITY AND STATE | ELEVATION: 80 TDZE: 80 | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| CLARKS POINT, AK | AIRPORT NAME: CLARKS POINT | RNAV | RNAV (GPS) RWY 36, ORIG 11 FEB 2010 | AMDT: NONE |
| | | | | DATED |

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

## RNAV (GPS) - STANDARD
## INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**TAA**

| | FROM | TO | ALT |
|---|---|---|---|
| 1. | 273/30 CW 093/30 (NOPT) | 273/15 CW 093/15 | 3300 |
| 2. | 273/15 CW 093/15 | HEGPI (IF/IAF) (FB) | 2900 |
| 3. | 093/30 CW 183/30 | JEGVO (IAF) (FB) | 5000 |
| 4. | 183/30 CW 273/30 | IKULE (IAF) (FB) | 2900 |

| CITY AND STATE | ELEVATION: 80 TDZE: 80 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| CLARKS POINT, AK | AIRPORT NAME: CLARKS POINT | RNAV | RNAV (GPS) RWY 36, ORIG 11 FEB 2010 | AMDT: NONE |
| | | | | DATED: |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**ARINC PACKET - 424-18 - RNAV (GPS)**

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SCANEAENRT   CENDU PF0    W     N59013926W158242663                    E0154     NAR           CENDU
        SCANEAENRT   GACCU PF0    W     N58441538W158352147                    E0153     NAR           GACCU
        SCANEAENRT   HEGPI PF0    W     N58382283W158385999                    E0152     NAR           HEGPI
        SCANEAENRT   IKULE PF0    W     N58365072W158295403                    E0153     NAR           IKULE
        SCANEAENRT   JEGVO PF0    W     N58395429W158480674                    E0151     NAR           JEGVO

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SCANP PFCLPFACLP     0     032YSN58500130W158314580E015000080         1800018000C    MNAR    CLARKS POINT

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SCANP PFCLPFFR36   AHEGPI 010HEGPIPFEA0EE AR   HF                    00290040    + 02900     18000                B JS
        SCANP PFCLPFFR36   AIKULE 010IKULEPFEA0E  A    IF                                        18000                B JS
        SCANP PFCLPFFR36   AIKULE 020HEGPIPFEA0EE   010TF                    27300050    + 02900                          B JS
        SCANP PFCLPFFR36   AJEGVO 010JEGVOPFEA0E  A    IF                                        18000                B JS
        SCANP PFCLPFFR36   AJEGVO 020HEGPIPFEA0EE   010TF                    09270050    + 02900                          B JS
        SCANP PFCLPFFR36   R      010HEGPIPFEA0E  I    IF                                + 02900     18000                B JS
        SCANP PFCLPFFR36   R      020GACCUPFEA1E  F 051TF                    00290062    + 02000                          B JS
        SCANP PFCLPFFR36   R      020GACCUPFEA2WN          N          ALNAV                                                JS
        SCANP PFCLPFFR36   R      030RW36  PFPG0GY M 031TF                    00290058      00120           -305           B JS
        SCANP PFCLPFFR36   R      040CENDUPFEA0EYM     DF                                + 02900                          B JS
        SCANP PFCLPFFR36   R      050CENDUPFEA0EE  R020HM                    18310040    + 02900                          B JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SCANP PFCLPFGRW36    0032000030 N58494628W158315519-0600    +0037400080000040060R
```

QUALITY CHECKED

| CITY AND STATE | | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | |
|---|---|---|---|---|
| CLARKS POINT, AK | ELEVATION: 80 TDZE: 80<br>AIRPORT NAME: CLARKS POINT | RNAV | RNAV (GPS) RWY 36, ORIG<br>11 FEB 2010 | SUP:<br>AMDT: NONE<br>DATED: |

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE**
**FLIGHT STANDARDS SERVICE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

| ROUTES | TRANSITION | FIX | SEQ | USE | PATH | TURN | FO/FB | RNP | MAG(TRUE) | DISTANCE | ALTITUDE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | HEGPI | HEGPI | 010 | IAF | HF | R | FB | | 002.9(018T) | 004.0 | 02900 |
| | IKULE | IKULE | 010 | IAF | IF | | FB | | | | |
| | IKULE | HEGPI | 020 | | TF | | FB | 1.0 | 273.0(288T) | 005.0 | 02900 |
| | JEGVO | JEGVO | 010 | IAF | IF | | FB | | | | |
| | JEGVO | HEGPI | 020 | | TF | | FB | 1.0 | 092.7(108T) | 005.0 | 02900 |
| | | HEGPI | 010 | FACF | IF | | FB | | | | 02900 |
| | | GACCU | 020 | FAF | TF | | FB | 0.5 | 002.9(018T) | 006.2 | 02000 |
| | | RW36 | 030 | MAP | TF | | FO | 0.3 | 002.9(018T) | 005.8 | 00120 |

| MISSED APPROACH | FIX | SEQ | USE | PATH | TURN | FO/FB | RNP | MAG(TRUE) | DISTANCE | ALTITUDE |
|---|---|---|---|---|---|---|---|---|---|---|
| | CENDU | 040 | | DF | | FO | | | | 02900 |
| | CENDU | 050 | | HM | R | FO | 2.0 | 183.1(198T) | 004.0 | 02900 |

| POINT DATA | WAYPOINT | LAT IN SECS | LONG IN SECS | LAT IN MINS | LONG IN MINS |
|---|---|---|---|---|---|
| | CENDU | N590139.26 | W1582426.63 | N5901.654 | W15824.444 |
| | GACCU | N584415.38 | W1583521.47 | N5844.256 | W15835.358 |
| | HEGPI | N583822.83 | W1583859.99 | N5838.381 | W15839.000 |
| | IKULE | N583650.72 | W1582954.03 | N5836.845 | W15829.901 |
| | JEGVO | N583954.29 | W1584806.74 | N5839.905 | W15848.112 |
| | RW36 | N584946.28 | W1583155.19 | N5849.771 | W15831.920 |

| RUNWAY DATA | RWY | THRESHOLD ELEVATION | TCH |
|---|---|---|---|
| | RW36 | 00080 | 40 |

| CITY AND STATE | ELEVATION: 80 TDZE: 80 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| CLARKS POINT, AK | AIRPORT NAME: CLARKS POINT | RNAV | RNAV (GPS) RWY 36, ORIG | AMDT: NONE |
| | | | 11 FEB 2010 | DATED: |

U.S. DEPARTMENT of TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

**(1) TAKEOFF MINIMUMS:**

**RWY 18, STANDARD**

**RWY 36, STANDARD**

**(2) TEXTUAL DEPARTURE PROCEDURE:**

**(3) TAKEOFF OBSTACLE NOTES:**

**NOTE: RWY 18, TREES AND TERRAIN BEGINNING 50' FROM DER, 283' LEFT OF CENTERLINE, UP TO 35' AGL/201' MSL.**

**NOTE: RWY 36, TREES AND TERRAIN BEGINNING 12' FROM DER, 168' LEFT AND RIGHT OF CENTERLINE, UP TO 35' AGL/ 159' MSL.**

**(4) CONTROLLING OBSTACLES:**

| (5) City, State | (6) Airport | (7) Effective Date | (8) Amdt. No. |
|---|---|---|---|
| CLARKS POINT, AK | CLARKS POINT | 11 FEB 2010 | ORIG |

US Department of Transportation
Federal Aviation Administration

# GRAPHIC DEPARTURE PROCEDURE (DP)

☒ OBSTACLE ☐ SID ☒ RNAV

1. Bearings, headings, courses, tracks, and radials are magnetic.
2. Distances are in nautical miles.
3. Altitudes are minimum altitudes unless otherwise indicated.
4. Graphic depiction attached.

**(1)** DP Route Description: TAKE-OFF RWY 19: CLIMB HEADING 195.18 TO 580, THEN CLIMB DIRECT COGNI, AND LEFT TURN VIA 085.05 TRACK TO EJACI, AND LEFT TURN VIA 329.27 TRACK TO MOS VOR/DME, MAINTAIN 6000, THENCE...

... VIA ASSIGNED ROUTE

**(2)** Transition Routes (Graphic Depiction Only)

| (a) Transition Name | (b) Transition Computer Codes | (c) From FIX/NAVAID | (d) To FIX/NAVAID | (e) Course / Distance | (f) MEA / MOCA | (g) Crossing Altitudes/Fixes |
|---|---|---|---|---|---|---|
| | | | | | | |

**(3)** Procedural Data Notes / Takeoff Minimums: TAKE-OFF MINIMUMS: RWY 1, NA - OBSTACLES. RWY 19, STANDARD.
NOTE: GPS REQUIRED
NOTE: RNAV 1

**(4)** Takeoff Obstacle Notes: NOTE: RWY 19, MULTIPLE TREES BEGINNING 53 FEET FROM DER, 302 FEET RIGHT OF CENTERLINE, UP TO 27 FEET AGL/ 277 FEET MSL. LT POLE, 274 FEET FROM DER, 277 FEET LEFT OF CENTERLINE, 25 FEET AGL/ 175 FEET MSL. POLE, 226 FEET FROM DER, 279 FEET LEFT OF CENTERLINE, 19 FEET AGL/169 FEET MSL.

**(5)** Controlling Obstacles: RWY 19: 3514 MSL AAO 645300.90N/1622641.30W.

QUALITY CHECKED

**(6)** Fixes and/or NAVAID'S :

| (7) DP Name | (8) Number | (9) DP Computer Code | (10) Superseded Number | (11) Dated | (12) Effective Date |
|---|---|---|---|---|---|
| ELIM | ONE | MOS1.MOS | NONE | | 11 FEB 2010 |

| (13) Airports Served | |
|---|---|
| Airport Name **ELIM** | City/State **ELIM ALASKA** |
| Airport Name | City/State |
| Airport Name | City/State |
| Airport Name | City/State |
| Airport Name | City/State |
| Airport Name | City/State |
| Airport Name | City/State |

**(14)** Lost Communications Procedures:

**(15)** Communications: ANCHORAGE CENTER

**(16)** Additional Flight Data: MAR VAR: PFEL 14E EPOCH YR 2010
DME/DME ASSESSMENT: NOT CONDUCTED.

**(17)** Continuation:

| (7) DP Name | (8) Number | (9) DP Computer Code | (10) Superseded Number | (11) Dated | (12) Effective Date |
|---|---|---|---|---|---|
| ELIM | ONE | MOS1.MOS | NONE | | 11 FEB 2010 |

## DEPARTURE (Data Record)

| (1) FIX/NAVAID | (2) LAT/LONG | (3) C | (4) FO/FB | (5) LEG TYPE | (6)TC | (7) DIST (NM) | (8) ALTITUDE | (9) SPEED | (10) REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| RW19 (AER) | 643708.52N/1621554.94W | N | | | | | | | |
| 580 MSL | | | | VA | 209.18 | | | | |
| COGNI | 643029.47N/1622431.73W | Y | FB | DF | | | | | LEFT TURN |
| EJACI | 642824.19N/1615453.28W | Y | FB | TF | 099.05 | 13.00 | | | LEFT TURN |
| MOS VOR/DME | 644147.45N/1620416.28W | Y | FB | TF | 343.28 | 14.03 | | | |
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QUALITY 1 CHECKED

| DP Name | Number | DP Computer Code | Superseded Number | Dated | Effective Date |
|---|---|---|---|---|---|
| ELIM | ONE | MOS1.MOS | NONE | | 11 FEB 2010 |

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| ONABE (IAF) | WUGAT (NOPT) (FB) | 104.73 / 5.00 | 4000 |
| DIYAG (IAF) | WUGAT (NOPT) (FB) | 285.03 / 5.00 | 4000 |
| WUGAT (IF/IAF) | AHCUJ (FB) | 014.88 / 5.00 | 3300 |
| AHCUJ | COGNI (FB) | 014.88 / 5.00 | 2500 |

## MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW01

CLIMB TO 5000 DIRECT AJABU AND VIA TRACK 015.27 TO BIYIR AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000.

ADDITIONAL FLIGHT DATA:
HOLD N, LT, 195.42 INBOUND.
CHART FAS OBST: 440 TREE 643645N/1621702W
CHART FAS OBST: 727 BUSH 643657N/1621738W
CHART 228 TREE 643637N/1621647W.
DISTANCE TO THLD FROM 504 HAT: 1.46 NM.
WAAS CHANNEL # 58014
REFERENCE PATH ID: W01A
CHART KOYUK AWOS-3

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD S WUGAT, RT, 014.88 INBOUND, 4000 FT. IN LIEU OF PT (IAF)
3. FAC: 015.05 FAF: COGNI DIST FAF TO MAP: 7.08 THLD: 7.08
4. MIN. ALT: WUGAT 4000, AHCUJ 3300, COGNI 2500
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2500 GS ALT AT: COGNI OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS CLEAR
8. MSA FROM:

MAG VAR: 14E EPOCH YEAR: 2010

## MINIMUMS

TAKEOFF: ____ STANDARD X SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A X

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| LPV DA | 666 | 1 3/4 | 504 | 666 | 1 3/4 | 504 | | NA | | | NA | | | | |
| LNAV/VNAV DA | 1494 | 5 | 1332 | 1494 | 5 | 1332 | | NA | | | NA | | | | |
| LNAV MDA | 1120 | 1 1/4 | 958 | 1120 | 1 1/2 | 958 | | NA | | | NA | | | | |
| | | | | | | | | | | | | | | | |
| CIRCLING | 1120 | 1 1/4 | 958 | 1120 | 1 1/2 | 958 | | NA | | | NA | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

NOTES:
CHART NOTE: CIRCLING TO RWY 19 NA AT NIGHT.
CHART NOTE: BARO-VNAV NA.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: USE KOYUK ALTIMETER SETTING, WHEN NOT RECEIVED, USE UNALAKLEET ALTIMETER SETTING AND SEE 8260-10

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 162 TDZE: 162 / AIRPORT NAME: | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| ELIM, AK | ELIM | RNAV | RNAV (GPS) RWY 1, ORIG<br>11 FEB 2010 | AMDT: NONE<br>DATED |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**NOTES CONT.**
**INCREASE ALL DA 344 FEET AND ALL MDA 360 FEET, INCREASE LPV ALL CATS VISIBILITY 1 1/4 MILE AND LNAV/VNAV ALL CATS VISIBILITY 1 MILE.**

**TAA**

| | FROM | TO | ALT |
|---|---|---|---|
| 1. | 285/30 CW 105/30 (NOPT) | WUGAT (IF/IAF) (FB) | 4000 |
| 2. | 105/30 CW 195/30 | 105/20 CW 195/20 | 5600 |
| | 105/20 CW 195/20 | ONABE (IAF) (FB) | 4500 |
| 3. | 195/30 CW 285/30 | DIYAG (IAF) (FB) | 4300 |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## FAS DATA BLOCK INFORMATION

| DATA FIELD | DATA |
|---|---|
| OPERATION TYPE | 0 |
| SBAS SERVICE PROVIDER IDENTIFIER | 0 |
| AIRPORT IDENTIFIER | PFEL |
| RUNWAY | RW01 |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | |
| REFERENCE PATH DATA SELECTOR | 0 |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | W01A |
| LTP/FTP LATITUDE | 643639.2975N |
| LTP/FTP LONGITUDE | 1621632.9430W |
| LTP/FTP ELLIPSOIDAL HEIGHT | +00558 |
| FPAP LATITUDE | 643756.8300N |
| FPAP LONGITUDE | 1621452.0300W |
| THRESHOLD CROSSING HEIGHT (TCH) | 00040.0 |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F |
| GLIDEPATH ANGLE (GPA) | 03.00 |
| COURSE WIDTH AT THRESHOLD | 106.75 |
| LENGTH OFFSET | 1712 |
| HORIZONTAL ALERT LIMIT (HAL) | 40.0 |
| VERTICAL ALERT LIMIT (VAL) | 50.0 |
| CRC REMAINDER | 917F5C18 |

## ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|---|---|
| ICAO CODE | PF |
| LTP ORTHOMETRIC HEIGHT | +00492 |
| FPAP ORTHOMETRIC HEIGHT | +00492 |

QUALITY 9 CHECKED

| CITY AND STATE | ELEVATION: 162 TDZE: 162 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| ELIM, AK | AIRPORT NAME: ELIM | RNAV | RNAV (GPS) RWY 1, ORIG<br>11 FEB 2010 | AMDT: NONE<br>DATED: |

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE**
**FLIGHT STANDARDS SERVICE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SCANEAENRT   AHCUJ PF0    W     N64260796W162300778                                NAR          AHCUJ                    I
        SCANEAENRT   AJABU PF0    W     N64414513W162095384                                NAR          AJABU                    I
        SCANEAENRT   BIYIR PF0    W     N64492412W161594940                                NAR          BIYIR                    I
        SCANEAENRT   COGNI PF0    W     N64302947W162243173                                NAR          COGNI                    I
        SCANEAENRT   DIYAG PF0    W     N64192147W162253853                                NAR          DIYAG                    I
        SCANEAENRT   ONABE PF0    W     N64241031W162454733                                NAR          ONABE                    I
        SCANEAENRT   WUGAT PF0    W     N64214624W162354205                                NAR          WUGAT                    I

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SCANP PFELPFAELI     0     034YSN64365390W162161390E014000162         1800018000C    MNAR    ELIM                        I

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SCANP PFELPFFR01   ADIYAG 010DIYAGPFEA0E  A    IF                                                18000                A JS   I
        SCANP PFELPFFR01   ADIYAG 020WUGATPFEA0EE   010TF                    28500050    + 04000                              A JS   I
        SCANP PFELPFFR01   AONABE 010ONABEPFEA0E  A    IF                                                18000                A JS   I
        SCANP PFELPFFR01   AONABE 020WUGATPFEA0EE   010TF                    10470050    + 04000                              A JS   I
        SCANP PFELPFFR01   AWUGAT 010WUGATPFEA0EE  R   HF                    01490040    + 04000     18000                    A JS   I
        SCANP PFELPFFR01   R      010WUGATPFEA0E  I    IF                                + 04000     18000                    A JS   I
        SCANP PFELPFFR01   R      011AHCUJPFEA0E S  051TF                    01490050    + 03300                              A JS   I
        SCANP PFELPFFR01   R      020COGNIPFEA1E  F 051TF                    01490050    + 02500                              A JS   I
        SCANP PFELPFFR01   R      020COGNIPFEA2WALPV       ALNAV/VNAV ALNAV                                                      JS   I
        SCANP PFELPFFR01   R      030RW01 PFPG0GY M 031TF                    01510071      00202             -300             A JS   I
        SCANP PFELPFFR01   R      040AJABUPFEA0E M  010DF                                                                    A JS   I
        SCANP PFELPFFR01   R      050BIYIRPFEA0EY   010TF                    0153        + 05000                              A JS   I
        SCANP PFELPFFR01   R      060BIYIRPFEA0EE  L020HM                    19540050    + 05000                              A JS   I

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SCANP PFELPFGRW01    0034010152 N64363930W162163294-1100    +0055800162000040060R                                          I
```

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 162 TDZE: 162 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| ELIM, AK | AIRPORT NAME: ELIM | RNAV | RNAV (GPS) RWY 1, ORIG<br>11 FEB 2010 | AMDT: NONE<br>DATED: |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SCANP PFELPFPR01    RW01 001 0000W01A0N6436392975W16216329430+00558030ON6437568300W16214520300106751712000400F400500917F5C18I
        SCANP PFELPFPR01    RW01 002E      +00492+00492LPV       58014                                                          I
```

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 162 TDZE: 162 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| ELIM, AK | AIRPORT NAME: ELIM | RNAV | RNAV (GPS) RWY 1, ORIG | AMDT: NONE |
| | | | 11 FEB 2010 | DATED: |

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE**
**FLIGHT STANDARDS SERVICE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

| ROUTES | TRANSITION | FIX | SEQ | USE | PATH | TURN | FO/FB | RNP | MAG(TRUE) | DISTANCE | ALTITUDE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | DIYAG | DIYAG | 010 | IAF | IF | | FB | | | | |
| | DIYAG | WUGAT | 020 | | TF | | FB | 1.0 | 285.0(299T) | 005.0 | 04000 |
| | ONABE | ONABE | 010 | IAF | IF | | FB | | | | |
| | ONABE | WUGAT | 020 | | TF | | FB | 1.0 | 104.7(119T) | 005.0 | 04000 |
| | WUGAT | WUGAT | 010 | IAF | HF | R | FO | | 014.9(029T) | 004.0 | 04000 |
| | | WUGAT | 010 | FACF | IF | | FB | | | | 04000 |
| | | AHCUJ | 011 | SDF | TF | | FB | 0.5 | 014.9(029T) | 005.0 | 03300 |
| | | COGNI | 020 | FAF | TF | | FB | 0.5 | 014.9(029T) | 005.0 | 02500 |
| | | RW01 | 030 | MAP | TF | | FO | 0.3 | 015.1(029T) | 007.1 | 00202 |
| MISSED APPROACH | | FIX | SEQ | USE | PATH | TURN | FO/FB | RNP | MAG(TRUE) | DISTANCE | ALTITUDE |
| | | AJABU | 040 | | DF | | FB | 1.0 | | | |
| | | BIYIR | 050 | | TF | | FO | 1.0 | 015.3(029T) | | 05000 |
| | | BIYIR | 060 | | HM | L | FO | 2.0 | 195.4(209T) | 005.0 | 05000 |

| POINT DATA | WAYPOINT | LAT IN SECS | LONG IN SECS | LAT IN MINS | LONG IN MINS |
|---|---|---|---|---|---|
| | AHCUJ | N642607.96 | W1623007.78 | N6426.133 | W16230.130 |
| | AJABU | N644145.13 | W1620953.84 | N6441.752 | W16209.897 |
| | BIYIR | N644924.12 | W1615949.40 | N6449.402 | W16159.823 |
| | COGNI | N643029.47 | W1622431.73 | N6430.491 | W16224.529 |
| | DIYAG | N641921.47 | W1622538.53 | N6419.358 | W16225.642 |
| | ONABE | N642410.31 | W1624547.33 | N6424.172 | W16245.789 |
| | WUGAT | N642146.24 | W1623542.05 | N6421.771 | W16235.701 |
| | RW01 | N643639.30 | W1621632.94 | N6436.655 | W16216.549 |

| RUNWAY DATA | RWY | THRESHOLD ELEVATION | TCH |
|---|---|---|---|
| | RW01 | 00162 | 40 |

QUALITY ONE

| CITY AND STATE | ELEVATION: 162 TDZE: 162 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| ELIM, AK | AIRPORT NAME: ELIM | RNAV | RNAV (GPS) RWY 1, ORIG | AMDT: NONE |
| | | | 11 FEB 2010 | DATED: |

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| CISAS (IAF) | BIYIR (NOPT) (FB) | 104.63 / 5.00 | 5000 |
| AVGIY (IAF) | BIYIR (NOPT) (FB) | 286.20 / 5.00 | 5000 |
| BIYIR (IF/IAF) | AJABU (FB) | 195.42 / 8.81 | 2200 |

## MISSED APPROACH

LNAV: RW19

CLIMB TO 4000 DIRECT WUGAT AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 014.88 INBOUND.
FAS OBST: 1075 TREE 644154N/1621222W
CHART KOYUK AWOS-3
AJABU TO RW19: 3.61/45

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD N BIYIR, LT, 195.42 INBOUND, 5000 FT. IN LIEU OF PT (IAF)
3. FAC: 195.27 FAF: AJABU DIST FAF TO MAP: 5.30 THLD: 5.30
4. MIN. ALT: BIYIR 5000, AJABU 2200
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM: ____

MAG VAR: 14E EPOCH YEAR: 2010

## MINIMUMS

TAKEOFF: | | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | X |

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| LNAV MDA | 1420 | 1 1/4 | 1263 | 1420 | 1 1/2 | 1263 | | NA | | | NA | | | | |
| CIRCLING | 1420 | 1 1/4 | 1258 | 1420 | 1 1/2 | 1258 | | NA | | | NA | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART NOTE: USE KOYUK ALTIMETER SETTING, WHEN NOT RECEIVED, USE UNALAKLEET ALTIMETER SETTING AND INCREASE ALL MDA 360 FEET.
CHART NOTE: STRAIGHT-IN/CIRCLING RWY 19 NA AT NIGHT.

| CITY AND STATE | ELEVATION: 162 TDZE: 157 | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| ELIM, AK | AIRPORT NAME: ELIM | RNAV | RNAV (GPS) RWY 19, ORIG 11 FEB 2010 | AMDT: NONE |
| | | | | DATED |

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) - STANDARD**
**INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**TAA**

| | FROM | TO | ALT |
|---|---|---|---|
| 1. | 105/30 CW 195/30 (NOPT) | 105/5 CW 195/5 | 5600 |
| 2. | 195/30 CW 286/30 (NOPT) | BIYIR (IF/IAF) (FB) | 5000 |
| | 105/5 CW 195/5 | BIYIR (IF/IAF) (FB) | 5000 |
| 3. | 286/30 CW 015/30 | AVGIY (IAF) (FB) | 5000 |
| 4. | 015/30 CW 105/30 | CISAS (IAF) (FB) | 5600 |

| CITY AND STATE | | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| ELIM, AK | ELEVATION: 162 TDZE: 157<br>AIRPORT NAME: ELIM | RNAV | RNAV (GPS) RWY 19, ORIG<br>11 FEB 2010 | AMDT: NONE<br>DATED: |

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE**
**FLIGHT STANDARDS SERVICE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**ARINC PACKET - 424-18 - RNAV (GPS)**

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SCANEAENRT   AJABU PF0    W     N64414513W162095384                                NAR          AJABU                    I
        SCANEAENRT   AVGIY PF0    W     N64465403W161494268                                NAR          AVGIY                    I
        SCANEAENRT   BIYIR PF0    W     N64492412W161594940                                NAR          BIYIR                    I
        SCANEAENRT   CISAS PF0    W     N64514777W162100559                                NAR          CISAS                    I
        SCANEAENRT   WUGAT PF0    W     N64214624W162354205                                NAR          WUGAT                    I

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SCANP PFELPFAELI     0     034YSN64365390W162161390E014000162        1800018000C    MNAR    ELIM                         I

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SCANP PFELPFFR19   AAVGIY 010AVGIYPFEA0E  A    IF                                                18000                B JS   I
        SCANP PFELPFFR19   AAVGIY 020BIYIRPFEA0EE   010TF                    28620050    + 05000                                B JS   I
        SCANP PFELPFFR19   ABIYIR 010BIYIRPFEA0EE AL   HF                    19540050    + 05000     18000                  B JS   I
        SCANP PFELPFFR19   ACISAS 010CISASPFEA0E  A    IF                                                18000                B JS   I
        SCANP PFELPFFR19   ACISAS 020BIYIRPFEA0EE   010TF                    10460050    + 05000                                B JS   I
        SCANP PFELPFFR19   R      010BIYIRPFEA0E  I    IF                                + 05000     18000                  B JS   I
        SCANP PFELPFFR19   R      020AJABUPFEA1E  F 051TF                    19540088    + 02200                                B JS   I
        SCANP PFELPFFR19   R      020AJABUPFEA2WN          N          ALNAV                                                     JS   I
        SCANP PFELPFFR19   R      030RW19 PFPG0GY M 031TF                    19530053      00168            -361              B JS   I
        SCANP PFELPFFR19   R      040WUGATPFEA0EYM  010DF                                + 04000                                B JS   I
        SCANP PFELPFFR19   R      050WUGATPFEA0EE  R020HM                    01490040    + 04000                                B JS   I

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SCANP PFELPFGRW19    0034011952 N64370852W162155494+1100    +0044100123000045060R                                          I
```

QUALITY 1 CHECKED

| CITY AND STATE | ELEVATION: 162 TDZE: 157 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| ELIM, AK | AIRPORT NAME: ELIM | RNAV | RNAV (GPS) RWY 19, ORIG<br>11 FEB 2010 | AMDT: NONE<br>DATED: |

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

# RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
## FLIGHT STANDARDS SERVICE - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

| ROUTES | TRANSITION | FIX | SEQ | USE | PATH | TURN | FO/FB | RNP | MAG(TRUE) | DISTANCE | ALTITUDE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | AVGIY | AVGIY | 010 | IAF | IF | | FB | | | | |
| | AVGIY | BIYIR | 020 | | TF | | FB | 1.0 | 286.2(300T) | 005.0 | 05000 |
| | BIYIR | BIYIR | 010 | IAF | HF | L | FO | | 195.4(209T) | 005.0 | 05000 |
| | CISAS | CISAS | 010 | IAF | IF | | FB | | | | |
| | CISAS | BIYIR | 020 | | TF | | FB | 1.0 | 104.6(119T) | 005.0 | 05000 |
| | | BIYIR | 010 | FACF | IF | | FB | | | | 05000 |
| | | AJABU | 020 | FAF | TF | | FB | 0.5 | 195.4(209T) | 008.8 | 02200 |
| | | RW19 | 030 | MAP | TF | | FO | 0.3 | 195.3(209T) | 005.3 | 00168 |

| MISSED APPROACH | FIX | SEQ | USE | PATH | TURN | FO/FB | RNP | MAG(TRUE) | DISTANCE | ALTITUDE |
|---|---|---|---|---|---|---|---|---|---|---|
| | WUGAT | 040 | | DF | | FO | 1.0 | | | 04000 |
| | WUGAT | 050 | | HM | R | FO | 2.0 | 014.9(029T) | 004.0 | 04000 |

| POINT DATA | WAYPOINT | LAT IN SECS | LONG IN SECS | LAT IN MINS | LONG IN MINS |
|---|---|---|---|---|---|
| | AJABU | N644145.13 | W1620953.84 | N6441.752 | W16209.897 |
| | AVGIY | N644654.03 | W1614942.68 | N6446.901 | W16149.711 |
| | BIYIR | N644924.12 | W1615949.40 | N6449.402 | W16159.823 |
| | CISAS | N645147.77 | W1621005.59 | N6451.796 | W16210.093 |
| | WUGAT | N642146.24 | W1623542.05 | N6421.771 | W16235.701 |
| | RW19 | N643708.52 | W1621554.94 | N6437.142 | W16215.916 |

| RUNWAY DATA | RWY | THRESHOLD ELEVATION | TCH |
|---|---|---|---|
| | RW19 | 00123 | 45 |

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 162 TDZE: 157 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| ELIM, AK | AIRPORT NAME: ELIM | RNAV | RNAV (GPS) RWY 19, ORIG<br>11 FEB 2010 | AMDT: NONE<br>DATED: |

U.S. DEPARTMENT of TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

**(1) TAKEOFF MINIMUMS:**

**RWY 12, 1000-3**

**RWY 30, 600-2**

**(2) TEXTUAL DEPARTURE PROCEDURE:**

**RWY 12, 30 - CLIMB IN VISUAL CONDITIONS UNTIL ESTABLISHED ON DUT NDB/DME 355 BEARING OVER JADPI/DUT 2.00DME (VISUAL CONDITIONS MUST BE MAINTAINED FROM TAKEOFF UNTIL ESTABLISHED OVER JADPI AT OR ABOVE 400). CROSS JADPI AT OR ABOVE 400 THEN CLIMB ON THE 355 BEARING FROM DUT NDB/DME TO 5500 BEFORE PROCEEDING ON COURSE.**

**(3) TAKEOFF OBSTACLE NOTES:**

**RAPIDLY RISING TERRAIN TO ABOVE 2000' MSL EAST, SOUTH, AND WEST OF AIRPORT.**

**(4) CONTROLLING OBSTACLES:**

**RWY 12, 30 6200 AAO 535314.20N-1665651.70W**

| (5) City, State | (6) Airport | (7) Effective Date | (8) Amdt. No. |
|---|---|---|---|
| UNALASKA, AK | UNALASKA | 11 FEB 2010 | 4 |

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# ILS - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| ELD VORTAC | LADOS LOM | 016.92 / 1.96 | 2000 |

## MISSED APPROACH

ILS: DA
LOC: 5.19 MILES AFTER LADOS LOM/5.37 DME OR AT I-ELD 0.19 DME FIX

CLIMB TO 1200 THEN CLIMBING RIGHT TURN TO 2000 DIRECT LADOS LOM AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 1200 THEN CLIMBING LEFT TURN TO 2000 DIRECT ELD VORTAC AND HOLD NE, RT, 232.00 INBOUND.

ADDITIONAL FLIGHT DATA:
HOLD NE, RT, 222.93 INBOUND.
CHART: ALTERNATE MA HOLDING, HOLD NE ELD VORTAC, RT, 232.00 INBOUND.
CHART FAS OBST: 353 TREE 331405N/0924747W
CHART VDP AT 1.15 DME;
DISTANCE VDP TO THLD 0.97 MILES.
CHART IN PLANVIEW: ELD VORTAC.

1. PT L SIDE OF COURSE 042.93 OUTBOUND 2000 FT WITHIN 10 MILES OF LADOS LOM (IAF)
2.
3. FAC: 222.93 FAF: LADOS LOM/5.37 DME DIST FAF TO MAP: 5.19 THLD: 5.19
4. MIN. ALT: LADOS LOM 2000
5. DIST TO THLD FROM OM: 5.19 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1077
6. MIN GS INCPT: 2000 GS ALT AT: GS INTCP OM: 1988 MM: - IM: -
7. GS ANGLE: 3.00 TCH: 49.5
8. MSA FROM: EL LOM 090-180 3200, 180-090 1900

MAG VAR: 3E EPOCH YEAR: 2000

## MINIMUMS

TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | X |

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| S-ILS 22 | 459 | 1/2 | 200 | 459 | 1/2 | 200 | 459 | 1/2 | 200 | 459 | 1/2 | 200 | | | |
| S-LOC 22 | 620 | 1/2 | 361 | 620 | 1/2 | 361 | 620 | 1/2 | 361 | 620 | 3/4 | 361 | | | |
| CIRCLING | 740 | 1 | 463 | 740 | 1 | 463 | 740 | 1 1/2 | 463 | 840 | 2 | 563 | | | |

NOTES:
CHART NOTE: ADF REQUIRED.
CHART PLANVIEW NOTE: ADF OR DME REQUIRED.
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CAMDEN ALTIMETER SETTING AND INCREASE
SEE 8260-10

| CITY AND STATE | ELEVATION: 277 TDZE: 259 AIRPORT NAME: | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| EL DORADO, AR | SOUTH ARKANSAS REGIONAL AT GOODWIN FIELD | I-ELD | ILS OR LOC RWY 22, AMDT 2<br>11 FEB 2010 | AMDT: 1<br>DATED 05/10/2007 |

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

**ILS - STANDARD**
**INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**NOTES CONT.**
**ALL DA 77 FEET AND ALL MDA 80 FEET. INCREASE S-LOC 22 CAT C AND D VISIBILITY 1/4 MILE.**
**CHART NOTE: VDP NA WHEN USING CAMDEN ALTIMETER SETTING.**
**CHART NOTE: FOR INOPERATIVE MALSR WHEN USING CAMDEN ALTIMETER SETTING, INCREASE S-ILS 22 VISIBILITY TO 1 MILE ALL CATS.**

| CITY AND STATE | | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| **EL DORADO, AR** | **ELEVATION: 277 TDZE: 259**<br>AIRPORT NAME:<br>**SOUTH ARKANSAS REGIONAL AT GOODWIN FIELD** | **I-ELD** | **ILS OR LOC RWY 22, AMDT 2**<br>11 FEB 2010 | AMDT: **1**<br>DATED: **05/10/2007** |

**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**

**GPS STANDARD INSTRUMENT APPROACH PROCEDURE**

**FLIGHT STANDARDS SERVICE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**TERMINAL ROUTES**

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| | | | |

**MISSED APPROACH**

ADDITIONAL FLIGHT DATA:

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. ____
3. FAC ____ FAF ____ DIST FAF TO MAP ____ THLD ____
4. MIN. ALT ____
8. MSA FROM:

MAG VAR: EPOCH YEAR:

TAKEOFF: | STANDARD | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A |

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

NOTES:

**PROCEDURE CANCELED EFFECTIVE** 11 FEB 2010

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 1539 TDZE: 1533 | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP | |
|---|---|---|---|---|---|
| **AUBURN, CA** | AIRPORT NAME: **AUBURN MUNI** | **GPS** | **GPS RWY 7, ORIG-A, 07/11/1996** | AMDT | **ORIG** |
| | | | | DATE | **06/20/1996** |

**FAA FORM 8260-5 / December 2002 (computer generated)**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| MRGGO (IAF) | CITXU (NOPT) (FB) | 169.11 / 17.23 | 3500 |
| ROZZY (IAF) | CITXU (NOPT) (FB) | 329.99 / 11.80 | 3000 |
| CITXU (IF/IAF) | YADFY (FB) | 067.95 / 6.01 | 3000 |

## MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW07

CLIMB TO 5000 DIRECT AVPEY AND LEFT TURN VIA TRACK 310.92 TO EKUJA AND VIA TRACK 289.37 TO MRGGO AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD SE, RT, 304.46 INBOUND.
CHART FAS OBST: 1625 ANT 385725N/1210519W
DISTANCE TO THLD FROM 315 HAT: 0.97 NM.
WAAS CHANNEL # 90515
REFERENCE PATH ID: W07A

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD W CITXU, RT, 067.95 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 068.03 FAF: YADFY DIST FAF TO MAP: 4.53 THLD: 4.53
4. MIN. ALT: CITXU 3000, YADFY 3000
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 3000 GS ALT AT: YADFY OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS NOT CLEAR
8. MSA FROM: RW07 8100

MAG VAR: 16E EPOCH YEAR: 1995

## MINIMUMS

TAKEOFF: ____ STANDARD X SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A ____ STANDARD @

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| LPV DA | 1848 | 1 1/4 | 315 | 1848 | 1 1/4 | 315 | | NA | | | NA | | | | |
| LNAV/VNAV DA | 1968 | 1 3/4 | 435 | 1968 | 1 3/4 | 435 | | NA | | | NA | | | | |
| LNAV MDA | 2100 | 1 | 567 | 2100 | 1 | 567 | | NA | | | NA | | | | |
| CIRCLING | 2140 | 1 | 601 | 2200 | 1 | 661 | | NA | | | NA | | | | |

NOTES:
CHART NOTE: CIRCLING NA AT NIGHT.
CHART NOTE: BARO-VNAV NA WHEN USING LINCOLN ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 1539 TDZE: 1533 | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| AUBURN, CA | AIRPORT NAME: AUBURN MUNI | RNAV | RNAV (GPS) RWY 7, ORIG 11 FEB 2010 | AMDT: NONE |
| | | | | DATED |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**NOTES CONT.**
**CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.**
**CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.**
**CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE LINCOLN ALTIMETER SETTING AND INCREASE ALL DA 229 FEET AND ALL MDA 240 FEET, INCREASE LPV AND LNAV/VNAV CATS A/B VISIBILITY 3/4 MILE AND LNAV AND CIRCLING CAT B VISIBILITY 1/4 MILE.**

QUALITY 9 CHECKED

| CITY AND STATE | | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | |
|---|---|---|---|---|
| **AUBURN, CA** | **ELEVATION: 1539 TDZE: 1533**<br>AIRPORT NAME: **AUBURN MUNI** | **RNAV** | **RNAV (GPS) RWY 7, ORIG**<br>11 FEB 2010 | SUP:<br>AMDT: **NONE**<br>DATED: |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## FAS DATA BLOCK INFORMATION

| DATA FIELD | DATA |
|---|---|
| OPERATION TYPE | 0 |
| SBAS SERVICE PROVIDER IDENTIFIER | 0 |
| AIRPORT IDENTIFIER | KAUN |
| RUNWAY | RW07 |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | |
| REFERENCE PATH DATA SELECTOR | 0 |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | W07A |
| LTP/FTP LATITUDE | 385715.6745N |
| LTP/FTP LONGITUDE | 1210514.9990W |
| LTP/FTP ELLIPSOIDAL HEIGHT | +04274 |
| FPAP LATITUDE | 385724.8400N |
| FPAP LONGITUDE | 1210321.3800W |
| THRESHOLD CROSSING HEIGHT (TCH) | 00045.0 |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F |
| GLIDEPATH ANGLE (GPA) | 03.00 |
| COURSE WIDTH AT THRESHOLD | 106.75 |
| LENGTH OFFSET | 1680 |
| HORIZONTAL ALERT LIMIT (HAL) | 40.0 |
| VERTICAL ALERT LIMIT (VAL) | 50.0 |
| CRC REMAINDER | D744ACDA |

## ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|---|---|
| ICAO CODE | K2 |
| LTP ORTHOMETRIC HEIGHT | +04553 |
| FPAP ORTHOMETRIC HEIGHT | +04553 |

QUALITY 9 CHECKED

| CITY AND STATE | ELEVATION: 1539 TDZE: 1533 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| AUBURN, CA | AIRPORT NAME: AUBURN MUNI | RNAV | RNAV (GPS) RWY 7, ORIG 11 FEB 2010 | AMDT: NONE |
| | | | | DATED: |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**ARINC PACKET - 424-18 - RNAV (GPS)**

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   AVPEY K20    W     N38575557W120565763                          NAR          AVPEY
          SUSAEAENRT   CITXU K20    W     N38560972W121184128                          NAR          CITXU
          SUSAEAENRT   EKUJA K20    W     N39061861W121035840                          NAR          EKUJA
          SUSAEAENRT   MRGGO K20    C   L N39132025W121164318                          NAR          MRGGO
          SUSAEAENRT   ROZZY K20    C   L N38444245W121150175                          NAR          ROZZY
          SUSAEAENRT   YADFY K20    W     N38564751W121110164                          NAR          YADFY

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KAUNK2AAUN      0     037YHN38571730W121045420E016001539         1800018000C     MNAR     AUBURN MUNI

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KAUNK2FR07   ACITXU 010CITXUK2EA0EE AR   HF                    06800040    + 03000     18000                A JS
          SUSAP KAUNK2FR07   AMRGGO 010MRGGOK2EA0E  A    IF                                        18000                A JS
          SUSAP KAUNK2FR07   AMRGGO 020CITXUK2EA0EE B 010TF                     16910172    + 03500                          A JS
          SUSAP KAUNK2FR07   AROZZY 010ROZZYK2EA0E  A    IF                                        18000                A JS
          SUSAP KAUNK2FR07   AROZZY 020CITXUK2EA0EE B 010TF                     33000118    + 03000                          A JS
          SUSAP KAUNK2FR07   R      010CITXUK2EA0E  I    IF                                  + 03000     18000                A JS
          SUSAP KAUNK2FR07   R      020YADFYK2EA1E  F 051TF                     06800060    + 03000                RW07  K2PGA JS
          SUSAP KAUNK2FR07   R      020YADFYK2EA2WALPV       ALNAV/VNAV ALNAV                                                JS
          SUSAP KAUNK2FR07   R      030RW07 K2PG0GY M 031TF                     06800045      01539          -300           A JS
          SUSAP KAUNK2FR07   R      040          0  M  010CA                    0680        + 01848                          A JS
          SUSAP KAUNK2FR07   R      050AVPEYK2EA0E    010DF                                                                A JS
          SUSAP KAUNK2FR07   R      060EKUJAK2EA0E   L010TFY                    3109                                        A JS
          SUSAP KAUNK2FR07   R      070MRGGOK2EA0EY   010TF                     2894        + 05000                          A JS
          SUSAP KAUNK2FR07   R      080MRGGOK2EA0EE  R020HM                     30450050    + 05000                          A JS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KAUNK2GRW07    0037000681 N38571567W121051500+1200     +042740149402004507 5R
```

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 1539 TDZE: 1533 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| AUBURN, CA | AIRPORT NAME: AUBURN MUNI | RNAV | RNAV (GPS) RWY 7, ORIG 11 FEB 2010 | AMDT: NONE |
| | | | | DATED: |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
PP    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
      ------------------------------------------------------------------------------------------------------------------------
      SUSAP KAUNK2PR07    RW07 001 0000W07A0N3857156745W12105149990+042740300N3857248400W12103213800106751680000450F400500D744ACDA
      SUSAP KAUNK2PR07    RW07 002E       +04553+04553LPV        90515

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
      ------------------------------------------------------------------------------------------------------------------------
      SUSAP KAUNK2SRW07 K2PG                0    18018008125                                                              M
```

QUALITY CHECKED

| CITY AND STATE | | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| AUBURN, CA | ELEVATION: 1539 TDZE: 1533<br>AIRPORT NAME: AUBURN MUNI | RNAV | RNAV (GPS) RWY 7, ORIG<br>11 FEB 2010 | AMDT: NONE<br>DATED: |

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| PURPS | ETHER (FB) | 350.15 / 9.74 | 6000 |
| ETHER (IAF) | CERUT (FB) | 278.37 / 9.82 | 6000 |
| CERUT (IF) | TRINL (FB) | 262.10 / 9.00 | 3700 |

## MISSED APPROACH

LNAV: RW24

CLIMBING LEFT TURN TO 6000 DIRECT PMD VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 6000.

ADDITIONAL FLIGHT DATA:
HOLD NE, LT, 247.00 INBOUND.
CHART FAS OBST: 2403 ANT ON OL TWR 344426N/1181235W
CHART: 2522 TOWER 344444N/1180720W
CHART BUCKHORN MOA.
CHART ISABELLA MOA.
CHART R-2515.
CHART VDP AT 1.21 MILES TO RW24.
TRINL TO RW24: 3.12/40.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT CERUT
3. FAC: 252.12 FAF: TRINL DIST FAF TO MAP: 4.00 THLD: 4.00
4. MIN. ALT: CERUT 6000, TRINL 3700
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM: RW24 9500

MAG VAR: 15E EPOCH YEAR: 1980

## MINIMUMS

TAKEOFF: ____ STANDARD X SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A ____ STANDARD @

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| LNAV MDA | 2760 | 1 | 419 | 2760 | 1 | 419 | 2760 | 1 1/4 | 419 | 2760 | 1 1/4 | 419 | | | |
| CIRCLING | 2760 | 1 | 409 | 2820 | 1 | 469 | 2820 | 1 1/2 | 469 | 2920 | 2 | 569 | | | |

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ETHER VIA V12 EASTBOUND.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PALMDALE ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET; INCREASE LNAV CAT D VISIBILITY 1/4 MILE.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY 2 CHECKED

| CITY AND STATE | ELEVATION: 2351 TDZE: 2341 AIRPORT NAME: | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| LANCASTER, CA | GENERAL WM J FOX AIRFIELD | RNAV | RNAV (GPS) RWY 24, ORIG 11 FEB 2010 | AMDT: NONE DATED |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**ARINC PACKET - 424-18 - RNAV (GPS)**

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------
        SUSAD        PMD   K2011450VTH  N34375303W118034976    N34375303W118034976E0150024982     NARPALMDALE

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CERUT K20    W     N34434453W117564492                              NAR          CERUT
        SUSAEAENRT   ETHER K20    C   L N34395089W117454867                              NAR          ETHER
        SUSAEAENRT   PURPS K20    C   L N34300805W117465223                              NAR          PURPS
        SUSAEAENRT   TRINL K20    W     N34445093W118073520                              NAR          TRINL

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------
        SUSAP KWJFK2AWJF     0     072YHN34442780W118130710E015002351        1800018000C    MNAR    GENERAL WM J FOX AIRFIELD

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------
        SUSAP KWJFK2FR24   APURPS 010PURPSK2EA0E       IF                                                  18000                B JS
        SUSAP KWJFK2FR24   APURPS 020ETHERK2EA0E  A 020TF                    35020097    + 06000                                B JS
        SUSAP KWJFK2FR24   APURPS 030CERUTK2EA0EE   010TF                    27840098    + 06000                                B JS
        SUSAP KWJFK2FR24   R       010CERUTK2EA0E  I    IF                              + 06000     18000                      B JS
        SUSAP KWJFK2FR24   R       020TRINLK2EA1E  F 051TF                    26210090    + 03700                 RW24   K2PGB JS
        SUSAP KWJFK2FR24   R       020TRINLK2EA2WN          N          ALNAV                                                  JS
        SUSAP KWJFK2FR24   R       030RW24  K2PG0GY M 031TF                   25210040      02375                -312          B JS
        SUSAP KWJFK2FR24   R       040PMD   K2D 0VYM L010DF                             + 06000                                B JS
        SUSAP KWJFK2FR24   R       050PMD   K2D 0VE  L020HM                    24700050    + 06000                                B JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------
        SUSAP KWJFK2GRW24     0072012371 N34443874W118122607+0200     +06794023350000401 50R
```

| CITY AND STATE | ELEVATION: 2351 TDZE: 2341 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| LANCASTER, CA | AIRPORT NAME: GENERAL WM J FOX AIRFIELD | RNAV | RNAV (GPS) RWY 24, ORIG 11 FEB 2010 | AMDT: NONE |
| | | | | DATED: |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KWJFK2SRW24 K2PG                0   18018009525                                                                M
```

| CITY AND STATE | ELEVATION: 2351 TDZE: 2341 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| LANCASTER, CA | AIRPORT NAME: GENERAL WM J FOX AIRFIELD | RNAV | RNAV (GPS) RWY 24, ORIG<br>11 FEB 2010 | AMDT: NONE<br>DATED: |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

| ROUTES | TRANSITION | FIX | SEQ | USE | PATH | TURN | FO/FB | RNP | MAG(TRUE) | DISTANCE | ALTITUDE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | PURPS | PURPS | 010 | | IF | | FB | | | | |
| | PURPS | ETHER | 020 | IAF | TF | | FB | 2.0 | 350.2(005T) | 009.7 | 06000 |
| | PURPS | CERUT | 030 | | TF | | FB | 1.0 | 278.4(293T) | 009.8 | 06000 |
| | | CERUT | 010 | FACF | IF | | FB | | | | 06000 |
| | | TRINL | 020 | FAF | TF | | FB | 0.5 | 262.1(277T) | 009.0 | 03700 |
| | | RW24 | 030 | MAP | TF | | FO | 0.3 | 252.1(267T) | 004.0 | 02375 |

| MISSED APPROACH | FIX | SEQ | USE | PATH | TURN | FO/FB | RNP | MAG(TRUE) | DISTANCE | ALTITUDE |
|---|---|---|---|---|---|---|---|---|---|---|
| | PMD | 040 | | DF | L | FO | 1.0 | | | 06000 |
| | PMD | 050 | | HM | L | FO | 2.0 | 247.0(262T) | 005.0 | 06000 |

| POINT DATA | WAYPOINT | LAT IN SECS | LONG IN SECS | LAT IN MINS | LONG IN MINS |
|---|---|---|---|---|---|
| | PMD | N343753.03 | W1180349.76 | N3437.884 | W11803.829 |
| | CERUT | N344344.53 | W1175644.92 | N3443.742 | W11756.749 |
| | ETHER | N343950.89 | W1174548.67 | N3439.848 | W11745.811 |
| | PURPS | N343008.05 | W1174652.23 | N3430.134 | W11746.871 |
| | TRINL | N344450.93 | W1180735.20 | N3444.849 | W11807.587 |
| | RW24 | N344438.74 | W1181226.07 | N3444.646 | W11812.435 |

| RUNWAY DATA | RWY | THRESHOLD ELEVATION | TCH |
|---|---|---|---|
| | RW24 | 02335 | 40 |

| CITY AND STATE | ELEVATION: 2351 TDZE: 2341 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| **LANCASTER, CA** | AIRPORT NAME: **GENERAL WM J FOX AIRFIELD** | **RNAV** | **RNAV (GPS) RWY 24, ORIG** 11 FEB 2010 | AMDT: **NONE** |
| | | | | DATED: |

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| PENNI (IAF) | FOMET (NOPT) (FB) | 043.43 / 8.22 | 2700 |
| MOVER (IAF) | FOMET (NOPT) (FB) | 203.49 / 5.54 | 2700 |
| FOMET (IF/IAF) | AXAME (FB) | 107.56 / 6.10 | 1800 |

## MISSED APPROACH

LNAV: RW11

CLIMBING LEFT TURN TO 2700 DIRECT FOMET AND HOLD.

ADDITIONAL FLIGHT DATA:
CHART FAS OBST: 369 TOWER 364128N/1214804W
AXAME TO RW11: 3.04/40.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD W FOMET, RT, 107.56 INBOUND, 2700 FT. IN LIEU OF PT (IAF)
3. FAC: 107.63 FAF: AXAME DIST FAF TO MAP: 5.03 THLD: 5.03
4. MIN. ALT: FOMET 2700, AXAME 1800
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM: RW11 6300

MAG VAR: 15E EPOCH YEAR: 1985

## MINIMUMS

TAKEOFF: ____ STANDARD X SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A X

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| LNAV MDA | 720 | 1 | 583 | 720 | 1 | 583 | | NA | | | NA | | | | |
| CIRCLING | 720 | 1 | 583 | 740 | 1 | 603 | | NA | | | NA | | | | |

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART NOTE: USE MONTEREY ALTIMETER SETTING; WHEN NOT RECEIVED, USE SALINAS ALTIMETER SETTING AND INCREASE ALL MDA 220 FEET AND ALL CAT B VISIBILITIES 1/4 MILE.

| CITY AND STATE | ELEVATION: 137 TDZE: 137 | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| MARINA, CA | AIRPORT NAME: MARINA MUNI | RNAV | RNAV (GPS) RWY 11, AMDT 1 11 FEB 2010 | AMDT: ORIG |
| | | | | DATED 12/27/2001 |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**ARINC PACKET - 424-18 - RNAV (GPS)**

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   AXAME K20    W     N36434579W121511583                              NAR          AXAME
        SUSAEAENRT   FOMET K20    W     N36470327W121573967                              NAR          FOMET
        SUSAEAENRT   MOVER K20    C   L N36512367W121532230                              NAR          MOVER
        SUSAEAENRT   PENNI K20    C   L N36424503W122062283                              NAR          PENNI

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KOARK2AOAR     0     034YHN36405350W121454200E015000137        1800018000C    MNAR    MARINA MUNI

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KOARK2FR11   APOMET 010FOMETK2EA0EE AR   HF                  10760040    + 02700     18000                B JS
        SUSAP KOARK2FR11   AMOVER 010MOVERK2EA0E  A    IF                                      18000                B JS
        SUSAP KOARK2FR11   AMOVER 020FOMETK2EA0EE B 010TF                   20350055    + 02700                          B JS
        SUSAP KOARK2FR11   APENNI 010PENNIK2EA0E  A    IF                                      18000                B JS
        SUSAP KOARK2FR11   APENNI 020FOMETK2EA0EE B 010TF                   04340082    + 02700                          B JS
        SUSAP KOARK2FR11   R      010FOMETK2EA0E  I    IF                              + 02700     18000                B JS
        SUSAP KOARK2FR11   R      020AXAMEK2EA1E  F 051TF                   10760061    + 01800                RW11  K2PGB JS
        SUSAP KOARK2FR11   R      020AXAMEK2EA2WN          N          ALNAV                                              JS
        SUSAP KOARK2FR11   R      030RW11 K2PG0GY M 031TF                   10760050      00176          -304           B JS
        SUSAP KOARK2FR11   R      040FOMETK2EA0EYM L010DF                             + 02700                          B JS
        SUSAP KOARK2FR11   R      050FOMETK2EA0EE  R020HM                   10760040    + 02700                          B JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KOARK2GRW11    0034831077 N36410279W121455995+0000    +0007600136000040075R

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KOARK2SRW11 K2PG              0   18018006325                                                                  M
```

| CITY AND STATE | ELEVATION: 137 TDZE: 137 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| MARINA, CA | AIRPORT NAME: MARINA MUNI | RNAV | RNAV (GPS) RWY 11, AMDT 1<br>11 FEB 2010 | AMDT: ORIG<br>DATED: 12/27/2001 |

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| HAGRO (IAF) | COVAR (FB) | 304.14 / 4.49 | 4000 |
| COVAR (IF) | FOGON (FB) | 276.52 / 6.40 | 2100 |

## MISSED APPROACH

LNAV: RW29

CLIMB TO 2700 DIRECT FOMET AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD W, RT, 107.56 INBOUND.
CHART FAS OBST: 339 TREE 362935N/1214418W
779 AAO 363650N/1214010W
FOGON TO RW29: 3.05/40.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT COVAR
3. FAC: 287.75 FAF: FOGON DIST FAF TO MAP: 5.94 THLD: 5.94
4. MIN. ALT: COVAR 4000, FOGON 2100, ICULU/2.20 NM TO RW29 860
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS CLEAR
8. MSA FROM: RW29 6300

MAG VAR: 15E EPOCH YEAR: 1985

## MINIMUMS

TAKEOFF: ____ STANDARD X SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A X

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| LNAV MDA | 640 | 1 | 503 | 640 | 1 | 503 | | NA | | | NA | | | | |
| CIRCLING | 680 | 1 | 543 | 740 | 1 | 603 | | NA | | | NA | | | | |

NOTES:
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HAGRO VIA V25 SOUTHEAST BOUND.
CHART NOTE: USE MONTEREY ALTIMETER SETTING; WHEN NOT RECEIVED, PROCEDURE NA.

| CITY AND STATE | ELEVATION: 137 TDZE: 137 | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| MARINA, CA | AIRPORT NAME: MARINA MUNI | RNAV | RNAV (GPS) RWY 29, AMDT 1 11 FEB 2010 | AMDT: ORIG DATED 12/27/2001 |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**ARINC PACKET - 424-18 - RNAV (GPS)**

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   COVAR K20    W     N36351036W121314739                          NAR          COVAR
          SUSAEAENRT   FOGON K20    W     N36373120W121391117                          NAR          FOGON
          SUSAEAENRT   FOMET K20    W     N36470327W121573967                          NAR          FOMET
          SUSAEAENRT   HAGRO K20    C   L N36314657W121280873                          NAR          HAGRO
          SUSAEAENRT   ICULU K20    W     N36393278W121430589                          NAR          ICULU

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KOARK2AOAR     0     034YHN36405350W121454200E015000137        1800018000C    MNAR    MARINA MUNI

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KOARK2FR29   AHAGRO 010HAGROK2EA0E  A    IF                                          18000              B JS
          SUSAP KOARK2FR29   AHAGRO 020COVARK2EA0EE B 010TF                  30410045    + 04000                        B JS
          SUSAP KOARK2FR29   R       010COVARK2EA0E  I    IF                          + 04000     18000                  B JS
          SUSAP KOARK2FR29   R       020FOGONK2EA1E  F 051TF                  27650064    + 02100                RW29  K2PGB JS
          SUSAP KOARK2FR29   R       020FOGONK2EA2WN          N          ALNAV                                           JS
          SUSAP KOARK2FR29   R       021ICULUK2EA0E S  031TF                  28780037    V 0086000893       -305         B JS
          SUSAP KOARK2FR29   R       030RW29 K2PG0GY M 031TF                  28770022      00176            -305         B JS
          SUSAP KOARK2FR29   R       040FOMETK2EA0EYM  010DF                            + 02700                        B JS
          SUSAP KOARK2FR29   R       050FOMETK2EA0EE  R020HM                  10760040    + 02700                        B JS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KOARK2GRW29    0034832877 N36404419W121452396+0000    +000760013600004007 5R

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KOARK2SRW29 K2PG              0   18018006325                                                              M
```

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 137 TDZE: 137 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| MARINA, CA | AIRPORT NAME: MARINA MUNI | RNAV | RNAV (GPS) RWY 29, AMDT 1<br>11 FEB 2010 | AMDT: ORIG<br>DATED: 12/27/2001 |

U.S. DEPARTMENT of TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevations and altitudes are in feet. MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

**(1) TAKEOFF MINIMUMS:**

**RWY 11, STANDARD WITH MINIMUM CLIMB OF 307 FT PER NM TO 4500, OR 2000-2 1/2 FOR CLIMB IN VISUAL CONDITIONS.**
**RWY 29, STANDARD.**

**(2) TEXTUAL DEPARTURE PROCEDURE:**

**RWY 11- CLIMB HEADING 107.68 AND SNS VORTAC R-252 TO SNS VORTAC, THENCE..., OR FOR CLIMB IN VISUAL CONDITIONS: CROSS MARINA MUNI AIRPORT AT OR ABOVE 2100, THEN PROCEED ON SNS VORTAC R-261 TO SNS VORTAC, THENCE...**

**RWY 29- CLIMB VIA HEADING 287.69 TO 1200 FEET, THEN CLIMBING RIGHT TURN DIRECT SNS VORTAC, THENCE...**

**... ALL AIRCRAFT CONTINUE CLIMB IN SNS VORTAC HOLDING PATTERN (W, LEFT TURNS, 084.00 INBOUND) TO CROSS SNS VORTAC AT OR ABOVE MEA/MCA FOR DIRECTION OF FLIGHT BEFORE PROCEEDING ON COURSE.**

**(3) TAKEOFF OBSTACLE NOTES:**

**NOTE: RWY 11, WINDSOCK 32' FROM DER, 386' LEFT OF CENTERLINE, 8' AGL/148' MSL.**
**NOTE: RWY 29, BUSH 158' FROM DER, 272' RIGHT OF CENTERLINE, 10' AGL/142' MSL.**

**(4) CONTROLLING OBSTACLES:**

**RWY 11/29: 3479 MSL TOWER 364523.00N-1213009.00W**
**RWY 11 (VCOA): 719 MSL TREE 363748.73N-1214518.10W, 3479 MSL TOWER 364523.00N-1213009.00W.**

| (5) City, State | (6) Airport | (7) Effective Date | (8) Amdt. No. |
|---|---|---|---|
| MARINA, CA | MARINA MUNI | 11 FEB 2010 | 2 |

**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**
**VOR STANDARD INSTRUMENT APPROACH PROCEDURE**
**FLIGHT STANDARDS SERVICE - FAR PART 97.23**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| SNS VORTAC | RIGDE INT/SNS 17.98 DME | 261.80 / 17.98 | 3400 |
| SAGUE INT/SNS 25.19 DME (IAF) | RIGDE INT/SNS 17.98 DME (NOPT) | 081.80 / 7.21 (SNS R-262) | 3300 |
| RIGDE INT/SNS 17.98 DME (IF/IAF) | OLMIE INT/SNS 12.98 DME | 081.80 / 5.00 (SNS R-262) | 1800 |

## MISSED APPROACH

MAP: 5.00 MILES AFTER OLMIE INT/SNS 12.98 DME OR AT SNS 7.98 DME FIX

CLIMB TO 1200 THEN CLIMBING LEFT TURN TO 5000 VIA HEADING 307 AND SNS VORTAC R-293 TO MOVER INT/SNS 18.00 DME AND HOLD. CONTINUE CLIMB-IN-HOLD TO 5000.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 293.00 INBOUND.
CHART FAS OBST: 369 TOWER 364128N/1214804W
OLMIE TO RW11: 3.06/40.

1. PT L SIDE OF COURSE 261.80 OUTBOUND 3300 FT WITHIN 10 MILES OF RIGDE (IAF)
2.
3. FAC 081.80 FAF OLMIE INT/SNS 12.98 DME DIST FAF TO MAP 5.00 THLD 5.00
4. MIN. ALT RIGDE 3300, OLMIE 1800
8. MSA FROM: SNS VORTAC 100-220 6300, 220-310 4200, 310-100 5200

MAG VAR: 17E EPOCH YEAR: 1965

## MINIMUMS

TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | X

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA |
| S-11 | 720 | 1 | 583 | 720 | 1 | 583 | | NA | | | NA | | | | |
| CIRCLING | 720 | 1 | 583 | 740 | 1 | 603 | | NA | | | NA | | | | |

NOTES:

CHART NOTE: ADF OR RADAR REQUIRED.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SAGUE VIA V27 NORTHWEST BOUND.
CHART PLANVIEW NOTE: ADF OR DME REQUIRED.
SEE 8260-10

| CITY AND STATE | ELEVATION: 137 TDZE: 137 | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP |
|---|---|---|---|---|
| MARINA, CA | AIRPORT NAME: MARINA MUNI | SNS | VOR RWY 11, AMDT 1 11 FEB 2010 | AMDT ORIG |
| | | | | DATE 04/17/2004 |

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

**VOR STANDARD INSTRUMENT APPROACH PROCEDURE**
**FLIGHT STANDARDS SERVICE - - FAR PART 97.23**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**NOTES CONT.**
**CHART NOTE: USE MONTEREY ALTIMETER SETTING; WHEN NOT RECEIVED, USE SALINAS ALTIMETER SETTING AND INCREASE ALL MDA 220 FEET AND ALL CAT B VISIBILITIES 1/4 MILE.**

| CITY AND STATE | | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| **MARINA, CA** | **ELEVATION: 137 TDZE: 137**<br>AIRPORT NAME: **MARINA MUNI** | **SNS** | **VOR RWY 11, AMDT 1**<br>11 FEB 2010 | AMDT: **ORIG**<br>DATED: **04/17/2004** |

**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**
**VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE**
**FLIGHT STANDARDS SERVICE - FAR PART 97.23**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| ZURET/SNS 16.00 DME (IAF) | CANRI/SNS 11.00 DME (NOPT) | 287.33 / 5.00 (SNS R-107) | 4500 |
| CANRI/SNS 11.00 DME (IF/IAF) | EBULE/SNS 5.20 DME | 287.33 / 5.80 (SNS R-107) | 3800 |
| EBULE/SNS 5.20 DME | SNS VORTAC | 287.33 / 5.20 | 2900 |

## MISSED APPROACH

**MAP: SNS 7.46 DME FIX**

**CLIMBING RIGHT TURN TO 3000 VIA HEADING 332 AND SNS R-293 TO MOVER INT/SNS 18.00 DME AND HOLD. WHEN AUTHORIZED BY ATC, CLIMB-IN-HOLD TO 5000.**

ADDITIONAL FLIGHT DATA:

**HOLD SE, RT, 293.00 INBOUND.**
**CHART FAS OBST: 359 TREE 363926N/1214535W**
**PERBE TO RW29: 3.46/40.**

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. **HOLD E CANRI, LT, 287.33 INBOUND, 4500 FT. IN LIEU OF PT (IAF)**
3. FAC **260.01** FAF **SNS VORTAC** DIST FAF TO MAP ____ THLD **7.46**
4. MIN. ALT **CANRI 4500, EBULE 3800, SNS VORTAC 2900, PERBE/SNS 3.86 DME 1500**
8. MSA FROM: **SNS VORTAC 100-220 6300, 220-310 4200, 310-100 5200**

MAG VAR: **17E** EPOCH YEAR: **1965**

## MINIMUMS

TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | X |

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA |
| S-29 | 660 | 1 | 523 | 660 | 1 | 523 | | NA | | | NA | | | | |
| CIRCLING | 680 | 1 | 543 | 740 | 1 | 603 | | NA | | | NA | | | | |

NOTES:

**CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY.**
**CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ZURET VIA V137 EASTBOUND.**
**CHART NOTE: USE MONTEREY ALTIMETER SETTING; WHEN NOT NOT RECEIVED, USE SALINAS ALTIMETER SETTING AND INCREASE ALL MDA 220 FEET AND ALL CAT B VISIBILITIES 1/4 MILE.**

| CITY AND STATE | AIRPORT NAME: | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP |
|---|---|---|---|---|
| **MARINA, CA** | **ELEVATION: 137 TDZE: 137**<br>**MARINA MUNI** | **SNS** | **VOR/DME RWY 29, AMDT 1**<br>11 FEB 2010 | AMDT **ORIG**<br>DATE **04/17/2004** |

**FAA FORM 8260-5 / December 2002 (computer generated)**

U.S. DEPARTMENT of TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

**(1) TAKEOFF MINIMUMS:**

**RWY 14, 20 STANDARD**
**RWY 2, 300 - 1**
**RWY 32, 400- 1 1/2 OR STANDARD WITH MINIMUM CLIMB OF 461 FEET PER NM TO 600.**

**(2) TEXTUAL DEPARTURE PROCEDURE:**

**RWY 2 - CLIMB HEADING 015.91 TO 1900 BEFORE TURNING LEFT.**
**RWY 32 - CLIMB HEADING 324.19 TO 1500 BEFORE TURNING RIGHT.**

**(3) TAKEOFF OBSTACLE NOTES:**

**NOTE: RWY 2, TREES BEGINNING 1231' FROM DER, 391' LEFT OF CENTERLINE, UP TO 90' AGL/269' MSL. TERRAIN 676' FROM DER, 572' LEFT OF CENTERLINE, 49' MSL. ANTENNA 960' FROM DER, 550' LEFT OF CENTERLINE, 44' AGL/93' MSL. POLE 1101' FROM DER, 226' LEFT OF CENTERLINE, 58' AGL/87' MSL. ROAD AND VEHICLE 348' FROM DER, 10' RIGHT OF CENTERLINE, 15' AGL/39' MSL. FENCE 162' FROM DER, 302' RIGHT OF CENTERLINE, 9' AGL/22' MSL. BUILDING 124' FROM DER, 525' RIGHT OF CENTERLINE, 51' AGL/64' MSL. TREES BEGINNING 290' FROM DER, 456' RIGHT OF CENTERLINE, UP TO 90' AGL/143' MSL.**
**NOTE: RWY 14, TREES BEGINNING 66' FROM DER, 30' LEFT OF CENTERLINE, UP TO 90' AGL/116' MSL. TREES BEGINNING 124' FROM (CONT'D)**

**(4) CONTROLLING OBSTACLES:**

**RWY 2: 186 MSL TREE 411629.54N/0725322.31W, 1549 MSL TOWER 412522.20N/0725704.90W**
**RWY 32: 405 MSL TREE 411702.00N/0725412.00W, 1549 MSL TOWER 412522.20N/0725704.90W**

QUALITY CHECKED

| (5) City, State | (6) Airport | (7) Effective Date | (8) Amdt. No. |
|---|---|---|---|
| NEW HAVEN, CT | TWEED-NEW HAVEN | 11 FEB 2010 | 5 |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL.. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**(3) TAKEOFF OBSTACLES NOTES: (CONT'D)**

**DER, 31' RIGHT OF CENTERLINE, UP TO 90' AGL/126' MSL.**

**NOTE: RWY 20, BUSH 58' FROM DER, 272' LEFT OF CENTERLINE, 3' AGL/20' MSL. TREES BEGINNING 306' FROM DER, 399' LEFT OF CENTERLINE, UP TO 80' AGL/99' MSL. POLE 68' FROM DER, 498' RIGHT OF CENTERLINE, 23' AGL/42' MSL. TREES BEGINNING 222' FROM DER, 491' RIGHT OF CENTERLINE, UP TO 77' AGL/96' MSL.**

**NOTE: RWY 32, POLE 213' FROM DER, 222' LEFT OF CENTERLINE, 15' AGL/24' MSL. TREES BEGINNING 169' FROM DER, 289' LEFT OF CENTERLINE, UP TO 65' AGL/124' MSL. POLE 1121' FROM DER, 55' LEFT OF CENTERLINE, 23' AGL/72' MSL. POLES 731' FROM DER, 139' RIGHT OF CENTERLINE, 23' AGL/36' MSL. ANTENNA 617' FROM DER, 336' RIGHT OF CENTERLINE, 40' AGL/72' MSL. TREES BEGINNING 1253' FROM DER, 311' RIGHT OF CENTERLINE, UP TO 71' AGL/150' MSL.**

QUALITY CHECKED

| City, State | Airport | Effective Date | Amdt. No. |
|---|---|---|---|
| NEW HAVEN, CT | TWEED-NEW HAVEN | 11 FEB 2010 | 5 |

| DP Name | Number | DP Computer Code | Superseded Number | Dated | Effective Date |
|---|---|---|---|---|---|
| | | | | | |

U.S. DEPARTMENT of TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

**(1) TAKEOFF MINIMUMS:**

**RWY 5, 9, 23, 27, STANDARD.**

**(2) TEXTUAL DEPARTURE PROCEDURE:**

**(3) TAKEOFF OBSTACLE NOTES:**

**NOTE: RWY 5, TREES BEGINNING 17' FROM DER, 279' LEFT OF CENTERLINE, UP TO 100' AGL/169' MSL. TREES BEGINNING 481' FROM DER, 304' RIGHT OF CENTERLINE, UP TO 100' AGL/179' MSL. NOTE: RWY 9, TREES BEGINNING 315' FROM DER, 281' RIGHT OF CENTERLINE, UP TO 100' AGL/164' MSL. TREES BEGINNING 693' FROM DER, 332' LEFT OF CENTERLINE, UP TO 100' AGL/164' MSL. NOTE: RWY 23, TREE 705' FROM DER, 455' LEFT OF CENTERLINE, 100' AGL/164' MSL. TREE 2132' FROM DER, 212' RIGHT OF CENTERLINE, 100' AGL/164' MSL. NOTE: RWY 27, TREES BEGINNING 354' FROM DER, 417' RIGHT OF CENTERLINE, UP TO 100' AGL/174' MSL. TREES BEGINNING 921' FROM DER, 273' LEFT OF CENTERLINE, UP TO 100' AGL/164' AGL.**

**(4) CONTROLLING OBSTACLES:**

| (5) City, State | (6) Airport | (7) Effective Date | (8) Amdt. No. |
|---|---|---|---|
| DUNNELLON, FL | DUNNELLON/MARION CO & PARK OF COMMERCE | 11 FEB 2010 | ORIG |

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC/NDB STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97.25

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**TERMINAL ROUTES**

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| | | | |

**MISSED APPROACH**

ADDITIONAL FLIGHT DATA:

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2.
3. FAC ____ FAF ____ DIST FAF TO MAP ____ THLD ____
4. MIN. ALT
8. MSA FROM:

MAG VAR: EPOCH YEAR:

TAKEOFF: | STANDARD | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A |

| CATEGORY ====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

NOTES:

**PROCEDURE CANCELED EFFECTIVE** 11 FEB 2010

| CITY AND STATE | ELEVATION: 142 TDZE: 135 | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP |
|---|---|---|---|---|
| **BAINBRIDGE, GA** | AIRPORT NAME: **DECATUR CO INDUSTRIAL AIR PARK** | **I-BGE** | **LOC/NDB RWY 27, ORIG, 06/11/2004** | AMDT **NONE** |
| | | | | DATE |

**FAA FORM 8260-5 / December 2002 (computer generated)**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| COLPA (IAF) | FILSI (NOPT) (FB) | 003.58 / 5.00 | 2500 |
| HALUB (IAF) | FILSI (NOPT) (FB) | 183.58 / 5.00 | 2500 |
| FILSI (IF/IAF) | JADSU (FB) | 093.58 / 6.99 | 1800 |

## MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW09

CLIMB TO 2600 DIRECT HASUR AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD W FILSI, RT, 093.58 INBOUND, 2500 FT. IN LIEU OF PT (IAF)
3. FAC: 093.65 FAF: JADSU DIST FAF TO MAP: 5.01 THLD: 5.01
4. MIN. ALT: FILSI 2500, JADSU 1800
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1800 GS ALT AT: JADSU OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR
8. MSA FROM:

ADDITIONAL FLIGHT DATA:
HOLD E, RT, 273.83 INBOUND.
CHART FAS OBST: 239 TREE 305900N/0844152W
CHART FAS OBST: 197 TREE 305814N/0843844W
CHART 192 TREE33 305826N/0843853W.
DISTANCE TO THLD FROM 286 HAT: 0.77 NM.
CHART VDP AT 1.13 MILES TO RW09* *LNAV ONLY.
WAAS CHANNEL # 45915
REFERENCE PATH ID: W09A

MAG VAR: 4W EPOCH YEAR: 2010

## MINIMUMS

TAKEOFF: | | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A | | STANDARD @

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| LPV DA | 427 | 1 | 286 | 427 | 1 | 286 | 427 | 1 | 286 | 427 | 1 | 286 | | | |
| LNAV/VNAV DA | 467 | 1 1/4 | 326 | 467 | 1 1/4 | 326 | 467 | 1 1/4 | 326 | 467 | 1 1/4 | 326 | | | |
| LNAV MDA | 540 | 1 | 399 | 540 | 1 | 399 | 540 | 1 | 399 | 540 | 1 1/4 | 399 | | | |
| CIRCLING | 600 | 1 | 459 | 600 | 1 | 459 | 600 | 1 1/2 | 459 | 700 | 2 | 559 | | | |

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F).
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART NOTE: VDP AND BARO-VNAV NA WHEN USING TALLAHASSEE REGIONAL ALTIMETER SETTING.
SEE 8260-10

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 141 TDZE: 141 | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| BAINBRIDGE, GA | AIRPORT NAME: DECATUR CO INDUSTRIAL AIR PARK | RNAV | RNAV (GPS) RWY 9, AMDT 1 11 FEB 2010 | AMDT: ORIG-A |
| | | | | DATED 06/04/2009 |

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) - STANDARD**
**INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**NOTES CONT.**

**CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE TALLAHASSEE REGIONAL ALTIMETER SETTING AND INCREASE ALL DA 95 FEET AND ALL MDA 100 FEET; INCREASE LPV ALL CATS, LNAV/VNAV ALL CATS AND LNAV CAT C/D VISIBILITY 1/4 MILE.**

**TAA**

| | FROM | TO | ALT |
|---|---|---|---|
| 1. | 004/30 CW 184/30 (NOPT) | FILSI (IF/IAF) (FB) | 2500 |
| 2. | 184/30 CW 274/30 | HALUB (IAF) (FB) | 2500 |
| 3. | 274/30 CW 004/30 | COLPA (IAF) (FB) | 2500 |

QUALITY 3

| CITY AND STATE | ELEVATION: 141 TDZE: 141 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| BAINBRIDGE, GA | AIRPORT NAME: DECATUR CO INDUSTRIAL AIR PARK | RNAV | RNAV (GPS) RWY 9, AMDT 1 11 FEB 2010 | AMDT: ORIG-A |
| | | | | DATED: 06/04/2009 |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## FAS DATA BLOCK INFORMATION

| DATA FIELD | DATA |
|---|---|
| OPERATION TYPE | 0 |
| SBAS SERVICE PROVIDER IDENTIFIER | 0 |
| AIRPORT IDENTIFIER | KBGE |
| RUNWAY | RW09 |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | |
| REFERENCE PATH DATA SELECTOR | 0 |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | W09A |
| LTP/FTP LATITUDE | 305822.1430N |
| LTP/FTP LONGITUDE | 0843835.8810W |
| LTP/FTP ELLIPSOIDAL HEIGHT | +00153 |
| FPAP LATITUDE | 305822.6000N |
| FPAP LONGITUDE | 0843652.2400W |
| THRESHOLD CROSSING HEIGHT (TCH) | 00040.0 |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F |
| GLIDEPATH ANGLE (GPA) | 03.00 |
| COURSE WIDTH AT THRESHOLD | 106.75 |
| LENGTH OFFSET | 1072 |
| HORIZONTAL ALERT LIMIT (HAL) | 40.0 |
| VERTICAL ALERT LIMIT (VAL) | 50.0 |
| CRC REMAINDER | 692ADEA4 |

## ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|---|---|
| ICAO CODE | K7 |
| LTP ORTHOMETRIC HEIGHT | +00431 |
| FPAP ORTHOMETRIC HEIGHT | +00431 |

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 141 TDZE: 141 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| BAINBRIDGE, GA | AIRPORT NAME: DECATUR CO INDUSTRIAL AIR PARK | RNAV | RNAV (GPS) RWY 9, AMDT 1<br>11 FEB 2010 | AMDT: ORIG-A<br>DATED: 06/04/2009 |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   COLPA K70    W     N30531707W084523080                                  NAR          COLPA
        SUSAEAENRT   FILSI K70    W     N30581761W084523335                                  NAR          FILSI
        SUSAEAENRT   HALUB K70    W     N31031815W084523591                                  NAR          HALUB
        SUSAEAENRT   HASUR K70    W     N30582532W084233520                                  NAR          HASUR
        SUSAEAENRT   JADSU K70    W     N30582043W084442575                                  NAR          JADSU

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBGEK7ABGE     0     055YHN30581775W084381294W004000141         1800018000C    MNAR    DECATUR CO INDUSTRIAL AIR PARK

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBGEK7FR09   ACOLPA 010COLPAK7EA0E  A    IF                                                18000                A JS
        SUSAP KBGEK7FR09   ACOLPA 020FILSIK7EA0EE B 010TF                     00360050    + 02500                            A JS
        SUSAP KBGEK7FR09   AFILSI 010FILSIK7EA0EE AR   HF                     09360040    + 02500     18000                  A JS
        SUSAP KBGEK7FR09   AHALUB 010HALUBK7EA0E  A    IF                                                18000                A JS
        SUSAP KBGEK7FR09   AHALUB 020FILSIK7EA0EE B 010TF                     18360050    + 02500                            A JS
        SUSAP KBGEK7FR09   R      010FILSIK7EA0E  I    IF                                  + 02500     18000                  A JS
        SUSAP KBGEK7FR09   R      020JADSUK7EA1E  F 051TF                     09360070    + 01800                            A JS
        SUSAP KBGEK7FR09   R      020JADSUK7EA2WALPV       ALNAV/VNAV ALNAV                                                      JS
        SUSAP KBGEK7FR09   R      030RW09 K7PG0GY M 031TF                     09370050      00181             -300           A JS
        SUSAP KBGEK7FR09   R      040HASURK7EA0EYM  010DF                                 + 02600                            A JS
        SUSAP KBGEK7FR09   R      050HASURK7EA0EE  R020HM                     27380040    + 02600                            A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBGEK7GRW09    0055020937 N30582214W084383588-0200    +0015300141000040149R

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBGEK7PR09   RW09 001 0000W09A0N3058221430W08438358810+001530300N3058226000W084365224001067510720004 00F400500692ADEA4
        SUSAP KBGEK7PR09   RW09 002E      +00431+00431LPV       45915
```

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 141 TDZE: 141 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| BAINBRIDGE, GA | AIRPORT NAME: DECATUR CO INDUSTRIAL AIR PARK | RNAV | RNAV (GPS) RWY 9, AMDT 1 | AMDT: ORIG-A |
| | | | 11 FEB 2010 | DATED: 06/04/2009 |

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| HESTI (IAF) | HASUR (NOPT) (FB) | 183.83 / 5.00 | 2600 |
| JEGEL (IAF) | HASUR (NOPT) (FB) | 003.83 / 5.00 | 2600 |
| HASUR (IF/IAF) | DOCGA (FB) | 273.83 / 6.63 | 1900 |

## MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW27

CLIMB TO 2500 DIRECT FILSI AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD W, RT, 093.58 INBOUND.
CHART FAS OBST: 279 TREE 305757N/0843128W
CHART FAS OBST: 215 TREE 305817N/0843642W
DISTANCE TO THLD FROM 200 HAT: 0.53 NM.
CHART VDP AT 1.17 MILES TO RW27* *LNAV ONLY.
WAAS CHANNEL # 40315
REFERENCE PATH ID: W27A

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD E HASUR, RT, 273.83 INBOUND, 2600 FT. IN LIEU OF PT (IAF)
3. FAC: 273.76 FAF: DOCGA DIST FAF TO MAP: 5.37 THLD: 5.37
4. MIN. ALT: HASUR 2600, DOCGA 1900
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1900 GS ALT AT: DOCGA OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 37.2 34:1 IS CLEAR
8. MSA FROM:

MAG VAR: 4W EPOCH YEAR: 2010

## MINIMUMS

TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | | STANDARD @

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| LPV DA | 334 | 1/2 | 200 | 334 | 1/2 | 200 | 334 | 1/2 | 200 | 334 | 1/2 | 200 | | | |
| LNAV/VNAV DA | 556 | 1 | 422 | 556 | 1 | 422 | 556 | 1 | 422 | 556 | 1 | 422 | | | |
| LNAV MDA | 540 | 1/2 | 406 | 540 | 1/2 | 406 | 540 | 3/4 | 406 | 540 | 1 | 406 | | | |
| CIRCLING | 600 | 1 | 459 | 600 | 1 | 459 | 600 | 1 1/2 | 459 | 700 | 2 | 559 | | | |

NOTES:
CHART NOTE: BARO-VNAV NA WHEN USING TALLAHASSEE REGIONAL ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 141 TDZE: 134 | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| BAINBRIDGE, GA | AIRPORT NAME: DECATUR CO INDUSTRIAL AIR PARK | RNAV | RNAV (GPS) RWY 27, AMDT 1 11 FEB 2010 | AMDT: ORIG |
| | | | | DATED 06/10/2004 |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES CONT.
CHART NOTE: VDP NA WHEN USING TALLAHASSEE REGIONAL ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE TALLAHASSEE REGIONAL ALTIMETER SETTING AND INCREASE ALL DA 95 FEET AND ALL MDA 100 FEET; INCREASE LNAV/VNAV ALL CATS VISIBILITY 1/2 MILE AND LNAV CAT C VISIBILITY 1/4 MILE.
CHART NOTE: FOR INOPERATIVE MALSR INCREASE LNAV CAT D VISIBILITY TO 1 1/4 MILE.
CHART NOTE: FOR INOPERATIVE MALSR, WHEN USING TALLAHASSEE REGIONAL ALTIMETER SETTING INCREASE LPV ALL CATS VISIBILITY TO 1 MILE.

TAA

| | FROM | TO | ALT |
|---|---|---|---|
| 1. | 184/30 CW 004/30 (NOPT) | 184/20 CW 004/20 | 3300 |
| 2. | 184/20 CW 004/20 | HASUR (IF/IAF) (FB) | 2600 |
| 3. | 004/30 CW 094/30 | JEGEL (IAF) (FB) | 2600 |
| 4. | 094/30 CW 184/30 | HESTI (IAF) (FB) | 2600 |

CHECKED

| CITY AND STATE | ELEVATION: 141 TDZE: 134 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| BAINBRIDGE, GA | AIRPORT NAME: DECATUR CO INDUSTRIAL AIR PARK | RNAV | RNAV (GPS) RWY 27, AMDT 1 11 FEB 2010 | AMDT: ORIG |
| | | | | DATED: 06/10/2004 |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## FAS DATA BLOCK INFORMATION

| DATA FIELD | DATA |
|---|---|
| OPERATION TYPE | 0 |
| SBAS SERVICE PROVIDER IDENTIFIER | 0 |
| AIRPORT IDENTIFIER | KBGE |
| RUNWAY | RW27 |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | |
| REFERENCE PATH DATA SELECTOR | 0 |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | W27A |
| LTP/FTP LATITUDE | 305822.4160N |
| LTP/FTP LONGITUDE | 0843732.6860W |
| LTP/FTP ELLIPSOIDAL HEIGHT | +00115 |
| FPAP LATITUDE | 305822.1400N |
| FPAP LONGITUDE | 0843835.9900W |
| THRESHOLD CROSSING HEIGHT (TCH) | 00037.2 |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F |
| GLIDEPATH ANGLE (GPA) | 03.00 |
| COURSE WIDTH AT THRESHOLD | 106.75 |
| LENGTH OFFSET | 0000 |
| HORIZONTAL ALERT LIMIT (HAL) | 40.0 |
| VERTICAL ALERT LIMIT (VAL) | 35.0 |
| CRC REMAINDER | F2DDC915 |

## ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|---|---|
| ICAO CODE | K7 |
| LTP ORTHOMETRIC HEIGHT | +00393 |
| FPAP ORTHOMETRIC HEIGHT | +00393 |

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 141 TDZE: 134 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| BAINBRIDGE, GA | AIRPORT NAME: DECATUR CO INDUSTRIAL AIR PARK | RNAV | RNAV (GPS) RWY 27, AMDT 1 11 FEB 2010 | AMDT: ORIG |
| | | | | DATED: 06/10/2004 |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**ARINC PACKET - 424-18 - RNAV (GPS)**

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   DOCGA K70    W     N30582390W084311826                          NAR          DOCGA
          SUSAEAENRT   FILSI K70    W     N30581761W084523335                          NAR          FILSI
          SUSAEAENRT   HASUR K70    W     N30582532W084233520                          NAR          HASUR
          SUSAEAENRT   HESTI K70    W     N31032600W084233624                          NAR          HESTI
          SUSAEAENRT   JEGEL K70    W     N30532464W084233417                          NAR          JEGEL

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KBGEK7ABGE     0     055YHN30581775W084381294W004000141        1800018000C    MNAR    DECATUR CO INDUSTRIAL AIR PARK

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KBGEK7FR27   AHASUR 010HASURK7EA0EE AR   HF                    27380040    + 02600     18000                A JS
          SUSAP KBGEK7FR27   AHESTI 010HESTIK7EA0E  A    IF                                        18000                A JS
          SUSAP KBGEK7FR27   AHESTI 020HASURK7EA0EE B 010TF                    18380050    + 02600                          A JS
          SUSAP KBGEK7FR27   AJEGEL 010JEGELK7EA0E  A    IF                                        18000                A JS
          SUSAP KBGEK7FR27   AJEGEL 020HASURK7EA0EE B 010TF                    00380050    + 02600                          A JS
          SUSAP KBGEK7FR27   R      010HASURK7EA0E  I    IF                               + 02600     18000                A JS
          SUSAP KBGEK7FR27   R      020DOCGAK7EA1E  F 051TF                    27380066    + 01900                          A JS
          SUSAP KBGEK7FR27   R      020DOCGAK7EA2WALPV       ALNAV/VNAV ALNAV                                                JS
          SUSAP KBGEK7FR27   R      030RW27 K7PGOGY M 031TF                    27380054      00166            -300          A JS
          SUSAP KBGEK7FR27   R      040FILSIK7EA0EYM  010DF                                 + 02500                          A JS
          SUSAP KBGEK7FR27   R      050FILSIK7EA0EE  R020HM                    09360040    + 02500                          A JS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KBGEK7GRW27    0055022737 N30582242W084373269+0200    +00115001290000371491

          1         2         3         4         5         6         7         8         9         0         1         2         3
PP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KBGEK7PR27   RW27 001 0000W27A0N3058224160W08437326860+001150300N3058221400W084383599001067500000000372F400350F2DDC915
          SUSAP KBGEK7PR27   RW27 002E      +00393+00393LPV       40315
```

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 141 TDZE: 134 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| BAINBRIDGE, GA | AIRPORT NAME: DECATUR CO INDUSTRIAL AIR PARK | RNAV | RNAV (GPS) RWY 27, AMDT 1 11 FEB 2010 | AMDT: ORIG |
| | | | | DATED: 06/10/2004 |

**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**

**LOC STANDARD INSTRUMENT APPROACH PROCEDURE**

**FLIGHT STANDARDS SERVICE - FAR PART 97.25**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| BEYLO INT | JUNNE NDB | 015.17 / 20.69 | 2700 |
| CORVI INT | JUNNE NDB | 104.89 / 10.45 | 2700 |

## MISSED APPROACH

MAP: 5.60 MILES AFTER JUNNE OR AT AXAHY/1.47 DME FIX

CLIMBING RIGHT TURN TO 2700 DIRECT VVM NDB AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD E, RT, 249.10 INBOUND.
CHART FAS OBST: 839 TREE 333654N/0830538W
JUNNE TO RW25: 3.04/40.

1. PT L SIDE OF COURSE 069.10 OUTBOUND 2700 FT WITHIN 10 MILES OF JUNNE NDB (IAF)
2.
3. FAC 249.10 FAF JUNNE NDB/I-VVM 7.07 DME DIST FAF TO MAP 5.60 THLD 6.10
4. MIN. ALT JUNNE 2700
8. MSA FROM: VVM NDB 2300

MAG VAR: 5W EPOCH YEAR: 2000

**MINIMUMS**

TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | | STANDARD @

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA |
| S-25 | 1100 | 1 | 411 | 1100 | 1 | 411 | 1100 | 1 1/4 | 411 | 1100 | 1 1/4 | 411 | | | |
| CIRCLING | 1220 | 1 | 531 | 1220 | 1 | 531 | 1220 | 1 1/2 | 531 | 1240 | 2 | 551 | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

NOTES:

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PLANVIEW NOTE: ADF REQUIRED.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE ATHENS ALTIMETER SETTING AND INCREASE
SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 689 TDZE: 689 | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP | LOC RWY 24 |
|---|---|---|---|---|---|
| GREENSBORO, GA | AIRPORT NAME: GREENE COUNTY REGIONAL | I-VVM | LOC RWY 25, AMDT 3 11 FEB 2010 | AMDT | 2A |
| | | | | DATE | 10/23/2008 |

**FAA FORM 8260-5 / December 2002 (computer generated)**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

**LOC STANDARD INSTRUMENT APPROACH PROCEDURE**
**FLIGHT STANDARDS SERVICE - - FAR PART 97.25**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**NOTES CONT.**
**ALL MDA 80 FEET AND INCREASE S-25 CAT D VISIBILITY AND CIRCLING CAT C VISIBILITY 1/4 MILE.**
**CHART NOTE: LOCALIZER UNUSABLE 1/2 MILE INBOUND.**

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 689 TDZE: 689 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: LOC RWY 24 |
|---|---|---|---|---|
| **GREENSBORO, GA** | AIRPORT NAME: | **I-VVM** | **LOC RWY 25, AMDT 3** | AMDT: 2A |
| | **GREENE COUNTY REGIONAL** | | 11 FEB 2010 | DATED: 10/23/2008 |

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| BEYLO | GOBYI (FB) | 308.81 / 13.56 | 2300 |
| MADDI | JEVIN (FB) | 179.52 / 5.26 | 2300 |
| JEVIN (IAF) | ETZOP (NOPT) (FB) | 158.95 / 5.00 | 2300 |
| GLOSS (IAF) | ETZOP (NOPT) (FB) | 058.12 / 8.37 | 2300 |
| GOBYI (IAF) | ETZOP (NOPT) (FB) | 339.00 / 5.00 | 2300 |
| ETZOP (IF/IAF) | AVSEW (FB) | 068.97 / 7.10 | 2300 |

## MISSED APPROACH

**LNAV: RW07**

**CLIMB TO 2300 DIRECT EXJAN AND HOLD.**

ADDITIONAL FLIGHT DATA:
**HOLD E, RT, 249.22 INBOUND.**
**CHART FAS OBST: 905 TOWER 333359N/0831128W**
**AVSEW TO RW07: 3.04/34.**

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. **HOLD W ETZOP, RT, 068.97 INBOUND, 2300 FT. IN LIEU OF PT (IAF)**
3. FAC: **069.05** FAF: **AVSEW** DIST FAF TO MAP: **4.92** THLD: **4.92**
4. MIN. ALT: **ETZOP 2300, AVSEW 2300**
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: **34:1 IS NOT CLEAR**
8. MSA FROM: **RW07 2500**

MAG VAR: **5W** EPOCH YEAR: **2000**

## MINIMUMS

TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | | **STANDARD @**

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| **LNAV MDA** | **1160** | **1** | **482** | **1160** | **1** | **482** | **1160** | **1 1/4** | **482** | **1160** | **1 1/2** | **482** | | | |
| **CIRCLING** | **1220** | **1** | **531** | **1220** | **1** | **531** | **1220** | **1 1/2** | **531** | **1240** | **2** | **551** | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

NOTES:
**CHART NOTE: DME/DME RNP-0.3 NA.**
**CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.**
**CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BEYLO VIA V5-51-267 SOUTHBOUND.**
**CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE ATHENS ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET; INCREASE LNAV CAT C AND D VISIBILITY AND CIRCLING CAT C VISIBILITY 1/4 MILE.**

**@ NA WHEN LOCAL WEATHER NOT AVAILABLE.**

QUALITY 6 CHECKED

| CITY AND STATE | | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | |
|---|---|---|---|---|
| **GREENSBORO, GA** | **ELEVATION: 689 TDZE: 678**<br>AIRPORT NAME: **GREENE COUNTY REGIONAL** | **RNAV** | **RNAV (GPS) RWY 7, AMDT 1**<br>11 FEB 2010 | SUP: **RNAV (GPS) RWY 6**<br>AMDT: **ORIG-A**<br>DATED **10/23/2008** |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**ARINC PACKET - 424-18 - RNAV (GPS)**

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   AVSEW K70    W     N33333195W083140369                          NAR          AVSEW
        SUSAEAENRT   BEYLO K70    C   B N33182190W083053633                          NAR          BEYLO
        SUSAEAENRT   ETZOP K70    W     N33302499W083214154                          NAR          ETZOP
        SUSAEAENRT   EXJAN K70    C   L N33410906W082551684                          NAR          EXJAN
        SUSAEAENRT   GLOSS K70    C   L N33252324W083294206                          NAR          GLOSS
        SUSAEAENRT   GOBYI K70    W     N33255487W083190428                          NAR          GOBYI
        SUSAEAENRT   JEVIN K70    W     N33345505W083241907                          NAR          JEVIN
        SUSAEAENRT   MADDI K70    C   L N33400985W083245515                          NAR          MADDI

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP 3J7 K7A3J7     0     055YHN33355160W083082040W005000689        1800018000C    MNAR    GREENE COUNTY REGIONAL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP 3J7 K7FR07   ABEYLO 010BEYLOK7EA0E       IF                                          18000                B JS
        SUSAP 3J7 K7FR07   ABEYLO 020GOBY1K7EA0E  A 020TF                    30880136    + 02300                       B JS
        SUSAP 3J7 K7FR07   ABEYLO 030ETZOPK7EA0EE B 010TF                    33900050    + 02300                       B JS
        SUSAP 3J7 K7FR07   AETZOP 010ETZOPK7EA0EE AR   HF                    06900040    + 02300     18000             B JS
        SUSAP 3J7 K7FR07   AGLOSS 010GLOSSK7EA0E  A    IF                                          18000             B JS
        SUSAP 3J7 K7FR07   AGLOSS 020ETZOPK7EA0EE B 010TF                    05810084    + 02300                       B JS
        SUSAP 3J7 K7FR07   AMADDI 010MADDIK7EA0E       IF                                          18000             B JS
        SUSAP 3J7 K7FR07   AMADDI 020JEVINK7EA0E  A 020TF                    17950053    + 02300                       B JS
        SUSAP 3J7 K7FR07   AMADDI 030ETZOPK7EA0EE B 010TF                    15900050    + 02300                       B JS
        SUSAP 3J7 K7FR07   R      010ETZOPK7EA0E  I    IF                                + 02300     18000             B JS
        SUSAP 3J7 K7FR07   R      020AVSEWK7EA1E  F 051TF                    06900071    + 02300                RW07   K7PGB JS
        SUSAP 3J7 K7FR07   R      020AVSEWK7EA2WN          N         ALNAV                                                JS
        SUSAP 3J7 K7FR07   R      030RW07 K7PG0GY M 031TF                    06910049      00712          -304           B JS
        SUSAP 3J7 K7FR07   R      040         0   M  010CA                   0691        + 01089                       B JS
        SUSAP 3J7 K7FR07   R      050EXJANK7EA0EY    010DF                             + 02300                       B JS
        SUSAP 3J7 K7FR07   R      060EXJANK7EA0EE  R020HM                    24920040    + 02300                       B JS
```

QUALITY 6 CHECKED

| CITY AND STATE | | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | |
|---|---|---|---|---|
| **GREENSBORO, GA** | **ELEVATION: 689 TDZE: 678**<br>AIRPORT NAME:<br>**GREENE COUNTY REGIONAL** | **RNAV** | **RNAV (GPS) RWY 7, AMDT 1**<br>11 FEB 2010 | SUP: **RNAV (GPS) RWY 6**<br>AMDT: **ORIG-A**<br>DATED: **10/23/2008** |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP 3J7 K7GRW07     0055000691 N33354124W083084592+0200     +0178300678010034075R

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP 3J7 K7SRW07 K7PG               0   18018002525                                                                  M
```

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 689 TDZE: 678 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: RNAV (GPS) RWY 6 |
|---|---|---|---|---|
| GREENSBORO, GA | AIRPORT NAME: GREENE COUNTY REGIONAL | RNAV | RNAV (GPS) RWY 7, AMDT 1 11 FEB 2010 | AMDT: ORIG-A |
| | | | | DATED: 10/23/2008 |

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| ANNAN | OCCOV (FB) | 326.78 / 11.43 | 2300 |
| AHN VORTAC | UVONE (FB) | 127.56 / 20.99 | 2300 |
| OCCOV (IAF) | EXJAN (NOPT) (FB) | 343.04 / 5.01 | 2300 |
| RAFFE (IAF) | EXJAN (NOPT) (FB) | 272.95 / 9.33 | 2300 |
| UVONE (IAF) | EXJAN (NOPT) (FB) | 155.15 / 5.01 | 2300 |
| EXJAN (IF/IAF) | AYEPI (FB) | 249.22 / 6.75 | 2300 |

## MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW25

CLIMB TO 2300 DIRECT ETZOP AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD W, RT, 068.97 INBOUND.
CHART FAS OBST: 839 TREE 333654N/0830538W
CHART FAS OBST: 819 TREE 333554N/0830641W
DISTANCE TO THLD FROM 289 HAT: 0.78 NM.
WAAS CHANNEL # 70616
REFERENCE PATH ID: W25A

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD E EXJAN, RT, 249.22 INBOUND, 2300 FT. IN LIEU OF PT (IAF)
3. FAC: 249.15 FAF: AYEPI DIST FAF TO MAP: 4.87 THLD: 4.87
4. MIN. ALT: EXJAN 2300, AYEPI 2300
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2300 GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR
8. MSA FROM: RW25 2500

MAG VAR: 5W EPOCH YEAR: 2000

## MINIMUMS

TAKEOFF: ____ | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | ____ | STANDARD @

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| LPV DA | 978 | 1 | 289 | 978 | 1 | 289 | 978 | 1 | 289 | 978 | 1 | 289 | | | |
| LNAV/VNAV DA | 1123 | 1 1/2 | 434 | 1123 | 1 1/2 | 434 | 1123 | 1 1/2 | 434 | 1123 | 1 1/2 | 434 | | | |
| LNAV MDA | 1100 | 1 | 411 | 1100 | 1 | 411 | 1100 | 1 1/4 | 411 | 1100 | 1 1/4 | 411 | | | |
| | | | | | | | | | | | | | | | |
| CIRCLING | 1220 | 1 | 531 | 1220 | 1 | 531 | 1220 | 1 1/2 | 531 | 1240 | 2 | 551 | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

NOTES:
CHART NOTE: BARO-VNAV NA WHEN USING ATHENS ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 689 TDZE: 689 | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP: RNAV (GPS) RWY 24 |
|---|---|---|---|---|
| GREENSBORO, GA | AIRPORT NAME: GREENE COUNTY REGIONAL | RNAV | RNAV (GPS) RWY 25, AMDT 1<br>11 FEB 2010 | AMDT: ORIG<br>DATED 11/23/2006 |

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) - STANDARD**
**INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**NOTES CONT.**
**CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT RAFFE VIA V18 EASTBOUND, AND ON AHN VORTAC AIRWAY RADIALS 072 CW 163.**
**CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.**
**CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE ATHENS ALTIMETER SETTING AND INCREASE ALL DA 70 FEET AND ALL MDA 80 FEET; INCREASE LPV ALL CATS AND LNAV/VNAV ALL CATS VISIBILITY 1/4 MILE, AND LNAV CAT D AND CIRCLING CAT C VISIBILITY 1/4 MILE.**

QUALITY CHECKED

| CITY AND STATE | | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | |
|---|---|---|---|---|
| **GREENSBORO, GA** | **ELEVATION: 689 TDZE: 689**<br>AIRPORT NAME:<br>**GREENE COUNTY REGIONAL** | **RNAV** | **RNAV (GPS) RWY 25, AMDT 1**<br>11 FEB 2010 | SUP: **RNAV (GPS) RWY 24**<br>AMDT: **ORIG**<br>DATED: **11/23/2006** |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## FAS DATA BLOCK INFORMATION

| DATA FIELD | DATA |
|---|---|
| OPERATION TYPE | 0 |
| SBAS SERVICE PROVIDER IDENTIFIER | 0 |
| AIRPORT IDENTIFIER | 3J7 |
| RUNWAY | RW25 |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | |
| REFERENCE PATH DATA SELECTOR | 0 |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | W25A |
| LTP/FTP LATITUDE | 333604.5695N |
| LTP/FTP LONGITUDE | 0830748.4970W |
| LTP/FTP ELLIPSOIDAL HEIGHT | +01817 |
| FPAP LATITUDE | 333525.5700N |
| FPAP LONGITUDE | 0830924.4500W |
| THRESHOLD CROSSING HEIGHT (TCH) | 00040.0 |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F |
| GLIDEPATH ANGLE (GPA) | 03.00 |
| COURSE WIDTH AT THRESHOLD | 106.75 |
| LENGTH OFFSET | 1072 |
| HORIZONTAL ALERT LIMIT (HAL) | 40.0 |
| VERTICAL ALERT LIMIT (VAL) | 50.0 |
| CRC REMAINDER | 0D8F5A42 |

## ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|---|---|
| ICAO CODE | K7 |
| LTP ORTHOMETRIC HEIGHT | +02100 |
| FPAP ORTHOMETRIC HEIGHT | +02100 |

QUALITY 9 CHECKED

| CITY AND STATE | ELEVATION: 689 TDZE: 689 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: RNAV (GPS) RWY 24 |
|---|---|---|---|---|
| GREENSBORO, GA | AIRPORT NAME: GREENE COUNTY REGIONAL | RNAV | RNAV (GPS) RWY 25, AMDT 1<br>11 FEB 2010 | AMDT: ORIG<br>DATED: 11/23/2006 |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        AHN   K7010960VTLA N33565130W083192910    N33565130W083192910E0000007901     NARATHENS
```

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ANNAN K70    C   L N33273026W082443399                                NAR          ANNAN
        SUSAEAENRT   AYEPI K70    W     N33381227W083023383                                NAR          AYEPI
        SUSAEAENRT   ETZOP K70    W     N33302499W083214154                                NAR          ETZOP
        SUSAEAENRT   EXJAN K70    C   L N33410906W082551684                                NAR          EXJAN
        SUSAEAENRT   OCCOV K70    W     N33362983W082530212                                NAR          OCCOV
        SUSAEAENRT   RAFFE K70    C   L N33412958W082440643                                NAR          RAFFE
        SUSAEAENRT   UVONE K70    W     N33453051W082581630                                NAR          UVONE
```

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP 3J7 K7A3J7     0     055YHN33355160W083082040W005000689         1800018000C    MNAR    GREENE COUNTY REGIONAL
```

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP 3J7 K7FR25   AAHN   010AHN  K7D 0V       IF                                                18000                A JS
        SUSAP 3J7 K7FR25   AAHN   020UVONEK7EA0E  A 020TF                    12760210    + 02300                                A JS
        SUSAP 3J7 K7FR25   AAHN   030EXJANK7EA0EE B 010TF                    15520050    + 02300                                A JS
        SUSAP 3J7 K7FR25   AANNAN 010ANNANK7EA0E       IF                                                18000                A JS
        SUSAP 3J7 K7FR25   AANNAN 020OCCOVK7EA0E  A 020TF                    32680114    + 02300                                A JS
        SUSAP 3J7 K7FR25   AANNAN 030EXJANK7EA0EE B 010TF                    34300050    + 02300                                A JS
        SUSAP 3J7 K7FR25   AEXJAN 010EXJANK7EA0EE AR   HF                    24920040    + 02300     18000                      A JS
        SUSAP 3J7 K7FR25   ARAFFE 010RAFFEK7EA0E  A    IF                                                18000                A JS
        SUSAP 3J7 K7FR25   ARAFFE 020EXJANK7EA0EE B 010TF                    27300093    + 02300                                A JS
        SUSAP 3J7 K7FR25   R      010EXJANK7EA0E  I    IF                                + 02300     18000                      A JS
        SUSAP 3J7 K7FR25   R      020AYEPIK7EA1E  F 051TF                    24920068    + 02300                  RW25  K7PGA JS
        SUSAP 3J7 K7FR25   R      020AYEPIK7EA2WALPV       ALNAV/VNAV ALNAV                                                        JS
        SUSAP 3J7 K7FR25   R      030RW25 K7PG0GY M 031TF                    24920049      00729              -300            A JS
        SUSAP 3J7 K7FR25   R      040         0  M  010CA                    2492        + 00978                                A JS
        SUSAP 3J7 K7FR25   R      050ETZOPK7EA0EY   010DF                                + 02300                                A JS
```

QUALITY 6 CHECKED

| CITY AND STATE | ELEVATION: 689 TDZE: 689 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: RNAV (GPS) RWY 24 |
|---|---|---|---|---|
| GREENSBORO, GA | AIRPORT NAME: GREENE COUNTY REGIONAL | RNAV | RNAV (GPS) RWY 25, AMDT 1 11 FEB 2010 | AMDT: ORIG |
| | | | | DATED: 11/23/2006 |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
        SUSAP 3J7 K7FR25   R      060ETZOPK7EA0EE  R020HM                  06900040    + 02300                          A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------
        SUSAP 3J7 K7GRW25    0055002491 N33360457W083074850-0200    +0181700689000040075R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------
        SUSAP 3J7 K7PR25   RW25 001 0000W25A0N3336045695W08307484970+018170300N3335255700W083092445001067510720004O0F4005000D8F5A42
        SUSAP 3J7 K7PR25   RW25 002E      +02100+02100LPV       70616

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------
        SUSAP 3J7 K7SRW25 K7PG               0   18018002525                                                              M
```

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 689 TDZE: 689 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: RNAV (GPS) RWY 24 |
|---|---|---|---|---|
| GREENSBORO, GA | AIRPORT NAME: GREENE COUNTY REGIONAL | RNAV | RNAV (GPS) RWY 25, AMDT 1<br>11 FEB 2010 | AMDT: ORIG<br>DATED: 11/23/2006 |

**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**

**VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE**

**FLIGHT STANDARDS SERVICE - FAR PART 97.23**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**TERMINAL ROUTES**

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| **AHN VORTAC (IAF)** | **URTAY/12.00 DME (NOPT)** | **155.95 / 12.00** | **2300** |
| **URTAY/12.00 DME (IF/IAF)** | **APOWE/18.00 DME** | **155.95 / 6.00 (AHN R-156)** | **2300** |

**MISSED APPROACH**

**MAP: SOVOE/22.91 DME FIX**

**CLIMBING LEFT TURN TO 2300 VIA AHN VORTAC R-156 TO URTAY/AHN 12.00 DME AND HOLD.**

ADDITIONAL FLIGHT DATA:

**CHART FAS OBST: 819 TREE 333757N/0830734W**
**FAC CROSSES MID POINT OF RWY 07/25.**

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. **HOLD NW URTAY, RT, 155.95 INBOUND, 2300 FT. IN LIEU OF PT (IAF)**
3. FAC **155.95** FAF **APOWE/18.00 DME** DIST FAF TO MAP ____ THLD ____
4. MIN. ALT **URTAY 2300, APOWE 2300**
8. MSA FROM: **AHN VORTAC 3700**

MAG VAR: **0E** EPOCH YEAR: **1965**

**MINIMUMS**

TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | | **STANDARD @**

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA |
| **CIRCLING** | **1220** | **1** | **531** | **1220** | **1 1/4** | **531** | **1220** | **1 1/2** | **531** | **1240** | **2** | **551** | | | |

NOTES:

**CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.**
**CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE ATHENS ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET AND CIRCLING CAT C VISIBILITY 1/4 MILE.**
**CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON AHN VORTAC AIRWAY RADIALS 104 CW 195.**

**@ NA WHEN LOCAL WEATHER NOT AVAILABLE.**

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 689 TDZE: / AIRPORT NAME: | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | |
|---|---|---|---|---|
| **GREENSBORO, GA** | **GREENE COUNTY REGIONAL** | **AHN** | **VOR/DME-B, AMDT 2** 11 FEB 2010 | SUP<br>AMDT 1<br>DATE 11/23/2006 |

**FAA FORM 8260-5 / December 2002 (computer generated)**

US Department of Transportation
Federal Aviation Administration

# GRAPHIC DEPARTURE PROCEDURE (DP)

☒ OBSTACLE ☐ SID ☐ RNAV

1. Bearings, headings, courses, tracks, and radials are magnetic.
2. Distances are in nautical miles.
3. Altitudes are minimum altitudes unless otherwise indicated.
4. Graphic depiction attached.

(1) DP Route Description: TAKEOFF RWY 3: CLIMB HEADING 029.78 AND ITO R-355 TO SAPDE INT, THENCE...
TAKEOFF RWY 8: CLIMB HEADING 079.00 TO ITO VORTAC AND ITO R-355 TO SAPDE INT, THENCE...
TAKEOFF RWY 21: CLIMBING LEFT TURN DIRECT ITO VORTAC AND ITO R-355 TO SAPDE INT, OR CLIMB IN VISUAL CONDITIONS TO CROSS ITO VORTAC NORTHBOUND AT OR ABOVE 1200 MSL, THEN VIA R-355 TO SAPDE INT, THENCE...
TAKEOFF RWY 26: CLIMBING RIGHT TURN VIA HEADING 045.00 AND ITO R-355 TO SAPDE INT, OR CLIMB IN VISUAL CONDITIONS TO CROSS ITO VORTAC NORTHBOUND AT OR ABOVE 1200 MSL, THEN VIA R-355 TO SAPDE INT, THENCE...

...PROCEED VIA UPP R-082 TO PARIS INT.

(2) Transition Routes (Graphic Depiction Only)

| (a) Transition Name | (b) Transition Computer Codes | (c) From FIX/NAVAID | (d) To FIX/NAVAID | (e) Course / Distance | (f) MEA / MOCA | (g) Crossing Altitudes/Fixes |
|---|---|---|---|---|---|---|
| | | | | | | |

(3) Procedural Data Notes / Takeoff Minimums:
TAKEOFF MINIMUMS:
RWY 3, 8 - STANDARD
RWY 21 - STANDARD WITH MINIMUM CLIMB OF 310 FEET PER NM TO 1100 OR 1300-2 1/2 FOR CLIMB IN VISUAL CONDITIONS.
RWY 26 - STANDARD WITH MINIMUM CLIMB OF 385 FEET PER NM TO 2900 OR 1300-2 1/2 FOR CLIMB IN VISUAL CONDITIONS.

(4) Takeoff Obstacle Notes: NOTE: RWY 3, NUMEROUS TREES AND WSK BEGINNING 395 FEET FROM DER, 68 FEET LEFT OF CENTERLINE, UP TO 86 FEET AGL/115 FEET MSL. NUMEROUS TREES BEGINNING 325 FEET FROM DER, 137 FEET RIGHT OF CENTERLINE, UP TO 66 FEET AGL/95 FEET MSL. NOTE: RWY 8, TREE 1198 FEET FROM DER, 480 FEET LEFT OF CENTERLINE, 37 FEET AGL/70 FEET MSL. NUMEROUS TREES BEGINNING 414 FEET FROM DER, 328 FEET RIGHT OF CENTERLINE, UP TO 46 FEET AGL/79 FEET MSL.

(5) Controlling Obstacles:
RWY 3, 8, 21, 26: 13996 MSL AAO 194913.60N/1552804.80W.

QUALITY CHECKED

(6) Fixes and/or NAVAID'S :

| (7) DP Name | (8) Number | (9) DP Computer Code | (10) Superseded Number | (11) Dated | (12) Effective Date |
|---|---|---|---|---|---|
| PARIS | FOUR | PARIS4.PARIS | THREE | 12/22/2005 | 11 FEB 2010 |

| (13) Airports Served | |
|---|---|
| Airport Name **HILO INTL** | City/State **HILO, HI** |
| Airport Name | City/State |
| Airport Name | City/State |
| Airport Name | City/State |
| Airport Name | City/State |
| Airport Name | City/State |
| Airport Name | City/State |

**(14)** Lost Communications Procedures:

**(15)** Communications:

**(16)** Additional Flight Data:

**(17)** Continuation:

(4) Takeoff Obstacle Notes. NOTE: **RWY 21, NUMEROUS TREES AND POLES BEGINNING 1077 FEET FROM DER, 272 FEET LEFT OF CENTERLINE, UP TO 70 FEET AGL/490 FEET MSL. NUMEROUS TREES AND POLES BEGINNING 236 FEET FROM DER, 43 FEET RIGHT OF CENTERLINE, UP TO 83 FEET AGL/362 FEET MSL. VEHICLES ON ROAD BEGINNING 234 FEET FROM DER, 260 FEET LEFT OF CENTERLINE, 15 FEET AGL/58 FEET MSL. NOTE: RWY 26, NUMEROUS VEHICLES BEGINNING 6 FEET FROM DER, 452 FEET RIGHT OF CENTERLINE, UP TO 15 FEET AGL/39 FEET MSL. NUMEROUS TREES AND LT POLES BEGINNING 542 FEET FROM DER, 471 FEET LEFT OF CENTERLINE, UP TO 86 FEET AGL/92 FEET MSL. NUMEROUS TREES BEGINNING 1645 FEET FROM DER, 266 FEET RIGHT OF CENTERLINE, UP TO 93 FEET AGL/119 FEET MSL. WSK 3 FEET FROM DER, 269 FEET RIGHT OF CENTERLINE, 19 FEET AGL/46 FEET MSL. RADAR RFLTR 373 FEET FROM DER, 346 FEET RIGHT OF CENTERLINE, 10 FEET AGL/37 FEET MSL.**

(5) **Controlling Obstacle Notes. RWY 21: 839 MSL AAO 194015.25N/1550617.00W. RWY 26, 2199 MSL AAO 194804.54N/1550927.77W. RWY 21, 26: (VCOA) 819 MSL AAO 194335.14N/1550655.33W.**

QUALITY CHECKED

| (7) DP Name | (8) Number | (9) DP Computer Code | (10) Superseded Number | (11) Dated | (12) Effective Date |
|---|---|---|---|---|---|
| PARIS | FOUR | PARIS4.PARIS | THREE | 12/22/2005 | 11 FEB 2010 |

**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**
**GPS STANDARD INSTRUMENT APPROACH PROCEDURE**
**FLIGHT STANDARDS SERVICE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**TERMINAL ROUTES**

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| | | | |

**MISSED APPROACH**

ADDITIONAL FLIGHT DATA:

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. ____
3. FAC ____ FAF ____ DIST FAF TO MAP ____ THLD ____
4. MIN. ALT ____
8. MSA FROM:

MAG VAR: EPOCH YEAR:

TAKEOFF: | STANDARD | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A |

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

NOTES:

**PROCEDURE CANCELED EFFECTIVE** 11 FEB 2010

QUALITY 2 CHECKED

| CITY AND STATE | ELEVATION: 996 TDZE: 991 | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP | |
|---|---|---|---|---|---|
| **CLARINDA, IA** | AIRPORT NAME: **SCHENCK FIELD** | **GPS** | **GPS RWY 2, ORIG-A, 09/28/2006** | AMDT | **ORIG** |
| | | | | DATE | **11/04/1999** |

**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**
**GPS STANDARD INSTRUMENT APPROACH PROCEDURE**
**FLIGHT STANDARDS SERVICE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**TERMINAL ROUTES**

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| | | | |

**MISSED APPROACH**

ADDITIONAL FLIGHT DATA:

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2.
3. FAC ____ FAF ____ DIST FAF TO MAP ____ THLD ____
4. MIN. ALT
8. MSA FROM:

MAG VAR: EPOCH YEAR:

TAKEOFF: | STANDARD | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

NOTES:

**PROCEDURE CANCELED EFFECTIVE** 11 FEB 2010

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 996 TDZE: 995 | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP | |
|---|---|---|---|---|---|
| **CLARINDA, IA** | AIRPORT NAME: **SCHENCK FIELD** | **GPS** | **GPS RWY 20, ORIG-B, 09/28/2006** | AMDT | **ORIG-A** |
| | | | | DATE | **05/25/2006** |

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| KARMA | WARNI (FB) | 283.84 / 10.93 | 3000 |
| VIKKI | YECBO (FB) | 125.55 / 10.79 | 3000 |
| WARNI (IAF) | JOGOL (NOPT) (FB) | 290.36 / 5.00 | 3000 |
| YECBO (IAF) | JOGOL (NOPT) (FB) | 110.23 / 5.00 | 3000 |
| TRAIG (IAF) | JOGOL (NOPT) (FB) | 015.28 / 10.20 | 3000 |
| JOGOL (IF/IAF) | TICTO (FB) | 020.30 / 6.09 | 2700 |

## MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW02

CLIMB TO 3000 DIRECT ZESSA AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 200.45 INBOUND.
CHART FAS OBST: 1169 TREE 404212N/0950300W
CHART FAS OBST: 1219 TREE 404114N/0950349W
DISTANCE TO THLD FROM 302 HAT: 0.82 NM.
CHART VDP AT 1.47 MILES TO RW02* *LNAV ONLY.
WAAS CHANNEL # 99416
REFERENCE PATH ID: W02A

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD S JOGOL, RT, 020.30 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 020.34 FAF: TICTO DIST FAF TO MAP: 5.17 THLD: 5.17
4. MIN. ALT: JOGOL 3000, TICTO 2700, FAHHO/2.20 NM TO RW02 1720*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2700 GS ALT AT: TICTO OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR
8. MSA FROM: RW02 2800

MAG VAR: 4E EPOCH YEAR: 1995

## MINIMUMS

TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | | STANDARD @

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| LPV DA | 1293 | 1 | 302 | 1293 | 1 | 302 | | NA | | | NA | | | | |
| LNAV/VNAV DA | 1604 | 2 1/4 | 613 | 1604 | 2 1/4 | 613 | | NA | | | NA | | | | |
| LNAV MDA | 1480 | 1 | 489 | 1480 | 1 | 489 | | NA | | | NA | | | | |
| CIRCLING | 1500 | 1 | 504 | 1500 | 1 | 504 | | NA | | | NA | | | | |

NOTES:
CHART NOTE: CIRCLING NA WEST OF RWY 02-20.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY 2 CHECKED

| CITY AND STATE | ELEVATION: 996 TDZE: 991 | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| CLARINDA, IA | AIRPORT NAME: SCHENCK FIELD | RNAV | RNAV (GPS) RWY 2, ORIG 11 FEB 2010 | AMDT: NONE |
| | | | | DATED |

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) - STANDARD**
**INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**NOTES CONT.**
**CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.**
***LNAV ONLY**
**CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SHENANDOAH ALTIMETER SETTING AND INCREASE ALL DA 45 FEET AND MDA 60 FEET, INCREASE LPV VISIBILTY 1/4 MILE ALL CATS.**
**CHART NOTE: BARO-VNAV AND VDP NA WHEN USING SHENANDOAH ALTIMETER SETTING.**

QUALITY 2 CHECKED

| CITY AND STATE | | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | |
|---|---|---|---|---|
| **CLARINDA, IA** | **ELEVATION: 996 TDZE: 991**<br>AIRPORT NAME: **SCHENCK FIELD** | **RNAV** | **RNAV (GPS) RWY 2, ORIG**<br>11 FEB 2010 | SUP:<br>AMDT: **NONE**<br>DATED: |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## FAS DATA BLOCK INFORMATION

| DATA FIELD | DATA |
|---|---|
| OPERATION TYPE | 0 |
| SBAS SERVICE PROVIDER IDENTIFIER | 0 |
| AIRPORT IDENTIFIER | KICL |
| RUNWAY | RW02 |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | |
| REFERENCE PATH DATA SELECTOR | 0 |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | W02A |
| LTP/FTP LATITUDE | 404254.6355N |
| LTP/FTP LONGITUDE | 0950150.1190W |
| LTP/FTP ELLIPSOIDAL HEIGHT | +02711 |
| FPAP LATITUDE | 404415.8500N |
| FPAP LONGITUDE | 0950101.7500W |
| THRESHOLD CROSSING HEIGHT (TCH) | 00040.0 |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F |
| GLIDEPATH ANGLE (GPA) | 03.00 |
| COURSE WIDTH AT THRESHOLD | 106.75 |
| LENGTH OFFSET | 1224 |
| HORIZONTAL ALERT LIMIT (HAL) | 40.0 |
| VERTICAL ALERT LIMIT (VAL) | 50.0 |
| CRC REMAINDER | EF546273 |

## ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|---|---|
| ICAO CODE | K3 |
| LTP ORTHOMETRIC HEIGHT | +03020 |
| FPAP ORTHOMETRIC HEIGHT | +03020 |

QUALITY 2 CHECKED

| CITY AND STATE | | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | |
|---|---|---|---|---|
| CLARINDA, IA | ELEVATION: 996 TDZE: 991<br>AIRPORT NAME: SCHENCK FIELD | RNAV | RNAV (GPS) RWY 2, ORIG<br>11 FEB 2010 | SUP:<br>AMDT: NONE<br>DATED: |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**ARINC PACKET - 424-18 - RNAV (GPS)**

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   FAHHO K30    W     N40405432W095030171                          NAR          FAHHO
          SUSAEAENRT   JOGOL K30    W     N40323867W095075579                          NAR          JOGOL
          SUSAEAENRT   KARMA K30    R   L N40271469W094481883                          NAR          KARMA
          SUSAEAENRT   TICTO K30    W     N40381199W095043817                          NAR          TICTO
          SUSAEAENRT   TRAIG K30    C   L N40230041W095122103                          NAR          TRAIG
          SUSAEAENRT   VIKKI K30    C   L N40413517W095244994                          NAR          VIKKI
          SUSAEAENRT   WARNI K30    W     N40303498W095015732                          NAR          WARNI
          SUSAEAENRT   YECBO K30    W     N40344205W095135463                          NAR          YECBO
          SUSAEAENRT   ZESSA K30    W     N40541161W094550575                          NAR          ZESSA

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KICLK3AICL     0     050YHN40431990W095013580E004000996         1800018000C    MNAR    SCHENCK FIELD

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KICLK3FR02   AJOGOL 010JOGOLK3EA0EE AR   HF                    02030040    + 03000     18000                A JS
          SUSAP KICLK3FR02   AKARMA 010KARMAK3EA0E       IF                                        18000                A JS
          SUSAP KICLK3FR02   AKARMA 020WARNIK3EA0E  A 020TF                    28380109    + 03000                          A JS
          SUSAP KICLK3FR02   AKARMA 030JOGOLK3EA0EE B 010TF                    29040050    + 03000                          A JS
          SUSAP KICLK3FR02   ATRAIG 010TRAIGK3EA0E  A    IF                                        18000                A JS
          SUSAP KICLK3FR02   ATRAIG 020JOGOLK3EA0EE B 010TF                    01530102    + 03000                          A JS
          SUSAP KICLK3FR02   AVIKKI 010VIKKIK3EA0E       IF                                        18000                A JS
          SUSAP KICLK3FR02   AVIKKI 020YECBOK3EA0E  A 020TF                    12560108    + 03000                          A JS
          SUSAP KICLK3FR02   AVIKKI 030JOGOLK3EA0EE B 010TF                    11020050    + 03000                          A JS
          SUSAP KICLK3FR02   R      010JOGOLK3EA0E  I    IF                                + 03000     18000                A JS
          SUSAP KICLK3FR02   R      020TICTOK3EA1E  F 051TF                    02030061    + 02700                RW02  K3PGA JS
          SUSAP KICLK3FR02   R      020TICTOK3EA2WALPV       ALNAV/VNAV ALNAV                                                JS
          SUSAP KICLK3FR02   R      021FAHHOK3EA0E S  031TF                    02030030    V 0172001736       -300          A JS
          SUSAP KICLK3FR02   R      030RW02 K3PG0GY M 031TF                    02030022      01031            -300          A JS
          SUSAP KICLK3FR02   R      040         0  M  010CA                    0203        + 01293                          A JS
          SUSAP KICLK3FR02   R      050ZESSAK3EA0EY   010DF                                 + 03000                          A JS
          SUSAP KICLK3FR02   R      060ZESSAK3EA0EE  R020HM                    20050040    + 03000                          A JS
```

QUALITY 1 CHECKED

| CITY AND STATE | ELEVATION: 996 TDZE: 991 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| CLARINDA, IA | AIRPORT NAME: SCHENCK FIELD | RNAV | RNAV (GPS) RWY 2, ORIG 11 FEB 2010 | AMDT: NONE |
| | | | | DATED: |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------------
       SUSAP KICLK3GRW02     0050000204 N40425464W095015012+0100     +0271100991000040075R

          1         2         3         4         5         6         7         8         9         0         1         2         3
PP     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------------
       SUSAP KICLK3PR02    RW02 001 0000W02A0N4042546355W09501501190+027110300N4044158500W095010175001067512240004004F400500EF546273
       SUSAP KICLK3PR02    RW02 002E       +03020+03020LPV       99416

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA    123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------------
       SUSAP KICLK3SRW02 K3PG                0   18018002825                                                                   M
```

QUALITY 1 CHECKED

| CITY AND STATE | ELEVATION: 996 TDZE: 991 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| CLARINDA, IA | AIRPORT NAME: SCHENCK FIELD | RNAV | RNAV (GPS) RWY 2, ORIG 11 FEB 2010 | AMDT: NONE |
| | | | | DATED: |

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| KARMA | CETUB (FB) | 001.70 / 24.13 | 3000 |
| OBREC | KITKY (FB) | 110.23 / 5.40 | 3000 |
| CETUB (IAF) | ZESSA (NOPT) (FB) | 287.25 / 8.09 | 3000 |
| KITKY (IAF) | ZESSA (NOPT) (FB) | 110.38 / 5.00 | 3000 |
| ZESSA (IF/IAF) | UKATE (FB) | 200.45 / 6.10 | 2800 |

## MISSED APPROACH

LNAV: RW20

CLIMB TO 3000 DIRECT JOGOL AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 020.30 INBOUND.
CHART FAS OBST: 1189 TREE 404448N/0945956W
CHART VDP AT 1.33 MILES TO RW20.
UKATE TO RW20: 3.05/40.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD N ZESSA, RT, 200.45 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 200.41 FAF: UKATE DIST FAF TO MAP: 5.46 THLD: 5.46
4. MIN. ALT: ZESSA 3000, UKATE 2800, CEXUP/2.20 NM TO RW20 1740
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS CLEAR
8. MSA FROM: RW20 2800

MAG VAR: 4E EPOCH YEAR: 1995

## MINIMUMS

TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | | STANDARD @

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| LNAV MDA | 1440 | 1 | 445 | 1440 | 1 | 445 | | NA | | | NA | | | | |
| CIRCLING | 1500 | 1 | 504 | 1500 | 1 | 504 | | NA | | | NA | | | | |

NOTES:
CHART NOTE: CIRCLING NA WEST OF RWY 02-20.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SHENANDOAH ALTIMETER SETTING AND SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY 2 CHECKED

| CITY AND STATE | AIRPORT NAME | FACILITY IDENTIFIER | PROCEDURE NO./AMDT NO./EFFECTIVE DATE | |
|---|---|---|---|---|
| CLARINDA, IA | ELEVATION: 996 TDZE: 995<br>SCHENCK FIELD | RNAV | RNAV (GPS) RWY 20, ORIG<br>11 FEB 2010 | SUP:<br>AMDT: NONE<br>DATED |

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) - STANDARD**
**INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**NOTES CONT.**
**INCREASE ALL MDA 60 FEET.**
**CHART NOTE: VDP NA WHEN USING SHENANDOAH ALTIMETER SETTING.**

QUALITY 2 CHECKED

| CITY AND STATE | | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | |
|---|---|---|---|---|
| **CLARINDA, IA** | **ELEVATION: 996 TDZE: 995**<br>AIRPORT NAME:<br>**SCHENCK FIELD** | **RNAV** | **RNAV (GPS) RWY 20, ORIG**<br>11 FEB 2010 | SUP:<br>AMDT: **NONE**<br>DATED: |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**ARINC PACKET - 424-18 - RNAV (GPS)**

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   CETUB K30    R   L N40511606W094450922                          NAR          CETUB
          SUSAEAENRT   CEXUP K30    W     N40453993W095001162                          NAR          CEXUP
          SUSAEAENRT   JOGOL K30    W     N40323867W095075579                          NAR          JOGOL
          SUSAEAENRT   KARMA K30    R   L N40271469W094481883                          NAR          KARMA
          SUSAEAENRT   KITKY K30    W     N40561570W095010610                          NAR          KITKY
          SUSAEAENRT   OBREC K30    C   L N40582888W095073575                          NAR          OBREC
          SUSAEAENRT   UKATE K30    W     N40483814W094582525                          NAR          UKATE
          SUSAEAENRT   ZESSA K30    W     N40541161W094550575                          NAR          ZESSA

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KICLK3AICL     0     050YHN40431990W095013580E004000996         1800018000C    MNAR    SCHENCK FIELD

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KICLK3FR20   AKARMA 010KARMAK3EA0E       IF                                          18000              B JS
          SUSAP KICLK3FR20   AKARMA 020CETUBK3EA0E  A 020TF                    00170241    + 03000                      B JS
          SUSAP KICLK3FR20   AKARMA 030ZESSAK3EA0EE B 010TF                    28730081    + 03000                      B JS
          SUSAP KICLK3FR20   AOBREC 010OBRECK3EA0E       IF                                          18000              B JS
          SUSAP KICLK3FR20   AOBREC 020KITKYK3EA0E  A 020TF                    11020054    + 03000                      B JS
          SUSAP KICLK3FR20   AOBREC 030ZESSAK3EA0EE B 010TF                    11040050    + 03000                      B JS
          SUSAP KICLK3FR20   AZESSA 010ZESSAK3EA0EE AR   HF                    20050040    + 03000    18000             B JS
          SUSAP KICLK3FR20   R      010ZESSAK3EA0E  I    IF                                + 03000    18000             B JS
          SUSAP KICLK3FR20   R      020UKATEK3EA1E  F 051TF                    20050061    + 02800              RW20  K3PGB JS
          SUSAP KICLK3FR20   R      020UKATEK3EA2WN          N          ALNAV                                            JS
          SUSAP KICLK3FR20   R      021CEXUPK3EA0E S  031TF                    20040033    V 0174001752       -305          B JS
          SUSAP KICLK3FR20   R      030RW20 K3PG0GY M 031TF                    20040022      01035            -305          B JS
          SUSAP KICLK3FR20   R      040         0   M 010CA                    2004        + 01396                      B JS
          SUSAP KICLK3FR20   R      050JOGOLK3EA0EY   010DF                               + 03000                      B JS
          SUSAP KICLK3FR20   R      060JOGOLK3EA0EE  R020HM                    02030040    + 03000                      B JS
```

QUALITY 1 CHECKED

| CITY AND STATE | ELEVATION: 996 TDZE: 995 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| CLARINDA, IA | AIRPORT NAME: SCHENCK FIELD | RNAV | RNAV (GPS) RWY 20, ORIG 11 FEB 2010 | AMDT: NONE |
| | | | | DATED: |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KICLK3GRW20     0050002004 N40433963W095012333-0100     +02724009950000400 75R

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KICLK3SRW20 K3PG               0    18018002825                                                                  M
```

QUALITY 1 CHECKED

| CITY AND STATE | ELEVATION: 996 TDZE: 995 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| CLARINDA, IA | AIRPORT NAME: SCHENCK FIELD | RNAV | RNAV (GPS) RWY 20, ORIG 11 FEB 2010 | AMDT: NONE |
| | | | | DATED: |

**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**

**NDB STANDARD INSTRUMENT APPROACH PROCEDURE**

**FLIGHT STANDARDS SERVICE - FAR PART 97.27**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| **FOD VORTAC** | **EAG NDB** | **063.90 / 17.99** | **2800** |

## MISSED APPROACH

**MAP: EAG NDB**

**CLIMB TO 2800 THEN LEFT TURN DIRECT EAG NDB AND HOLD.**

ADDITIONAL FLIGHT DATA:

**HOLD NW, LT, 120.00 INBOUND.**
**CHART FAS OBST: 1303 ELEVATOR 424401N/0935453W**
**CHART: CLARION AWOS-3.**
**FAC CROSSES RWY C/L EXTENDED 142 FROM THLD.**

1. PT **R** SIDE OF COURSE **300.00** OUTBOUND **2800** FT WITHIN **10** MILES OF **EAG NDB** (IAF)
2.
3. FAC **120.00** FAF DIST FAF TO MAP THLD
4. MIN. ALT
8. MSA FROM: **EAG NDB 210-300 3400, 300-210 2800**

MAG VAR: **3E** EPOCH YEAR: **1995**

## MINIMUMS

TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | X

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA |
| **S-13** | **1700** | **1** | **567** | **1700** | **1** | **567** | | **NA** | | | **NA** | | | | |
| **CIRCLING** | **1700** | **1** | **567** | **1700** | **1** | **567** | | **NA** | | | **NA** | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

NOTES:

**CHART NOTE: USE CLARION ALTIMETER SETTING; WHEN NOT RECEIVED USE FORT DODGE ALTIMETER SETTING.**

QUALITY 5 CHECKED

| CITY AND STATE | AIRPORT | FACILITY IDENTIFIER | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | |
|---|---|---|---|---|
| **EAGLE GROVE, IA** | **ELEVATION: 1133 TDZE: 1133**<br>AIRPORT NAME:<br>**EAGLE GROVE MUNI** | **EAG** | **NDB RWY 13, AMDT 2**<br>11 FEB 2010 | SUP **NDB OR GPS RWY 13**<br>AMDT **1**<br>DATE **04/18/2002** |

**FAA FORM 8260-5 / December 2002 (computer generated)**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| FOD VORTAC | ZABUV (FB) | 020.21 / 12.16 | 3000 |
| HAYOR | SIKFE (FB) | 212.30 / 19.07 | 3000 |
| ZABUV (IAF) | TIDMY (NOPT) (FB) | 043.25 / 5.00 | 3000 |
| SIKFE (IAF) | TIDMY (NOPT) (FB) | 223.37 / 5.00 | 3000 |
| TIDMY (IF/IAF) | KIVCO (FB) | 133.24 / 6.10 | 3000 |

## MISSED APPROACH

LNAV: RW13

CLIMB TO 3000 DIRECT SAYQU AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD SE, RT, 313.50 INBOUND.
FAS OBST: 1359 AAO 424521N/0940009W
1369 AAO 424649N/0940033W.
CHART: CLARION AWOS-3.
KIVCO TO RW13: 3.05/40.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NW TIDMY, RT, 133.24 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 133.31 FAF: KIVCO DIST FAF TO MAP: 5.65 THLD: 5.65
4. MIN. ALT: TIDMY 3000, KIVCO 3000
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM: RW13 3400

MAG VAR: 3E EPOCH YEAR: 1995

## MINIMUMS

TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | X

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| LNAV MDA | 1660 | 1 | 527 | 1660 | 1 | 527 | | NA | | | NA | | | | |
| CIRCLING | 1660 | 1 | 527 | 1660 | 1 | 527 | | NA | | | NA | | | | |

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART NOTE: USE CLARION ALTIMETER SETTING; WHEN NOT RECEIVED USE FORT DODGE ALTIMETER SETTING.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON FOD VORTAC AIRWAY RADIALS 003 CW 048.

QUALITY 5 CHECKED

| CITY AND STATE | AIRPORT | FACILITY IDENTIFIER | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | |
|---|---|---|---|---|
| EAGLE GROVE, IA | ELEVATION: 1133 TDZE: 1133<br>AIRPORT NAME: EAGLE GROVE MUNI | RNAV | RNAV (GPS) RWY 13, ORIG<br>11 FEB 2010 | SUP:<br>AMDT: NONE<br>DATED |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**ARINC PACKET - 424-18 - RNAV (GPS)**

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAD        FOD   K3011350VTHA N42364005W094174134    N42364005W094174134E0070011642     NARFORT DODGE

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAEAENRT   HAYOR K30    C   L N43102035W093462139                                  NAR          HAYOR
       SUSAEAENRT   KIVCO K30    W     N42465353W094003249                                  NAR          KIVCO
       SUSAEAENRT   SAYQU K30    W     N42342549W093442718                                  NAR          SAYQU
       SUSAEAENRT   SIKFE K30    W     N42544529W094012101                                  NAR          SIKFE
       SUSAEAENRT   TIDMY K30    W     N42511811W094061621                                  NAR          TIDMY
       SUSAEAENRT   ZABUV K30    W     N42475072W094111086                                  NAR          ZABUV

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAP KEAGK3AEAG     0     035YHN42423530W093545801E003001133         1800018000C    MNAR    EAGLE GROVE MUNI

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAP KEAGK3FR13   AFOD   010FOD  K3D 0V       IF                                                  18000                B JS
       SUSAP KEAGK3FR13   AFOD   020ZABUVK3EA0E  A 020TF                    02020122    + 03000                                B JS
       SUSAP KEAGK3FR13   AFOD   030TIDMYK3EA0EE B 010TF                    04330050    + 03000                                B JS
       SUSAP KEAGK3FR13   AHAYOR 010HAYORK3EA0E       IF                                                  18000                B JS
       SUSAP KEAGK3FR13   AHAYOR 020SIKFEK3EA0E  A 020TF                    21230191    + 03000                                B JS
       SUSAP KEAGK3FR13   AHAYOR 030TIDMYK3EA0EE B 010TF                    22340050    + 03000                                B JS
       SUSAP KEAGK3FR13   ATIDMY 010TIDMYK3EA0EE AR   HF                   13320040    + 03000    18000                       B JS
       SUSAP KEAGK3FR13   R      010TIDMYK3EA0E  I    IF                                 + 03000    18000                       B JS
       SUSAP KEAGK3FR13   R      020KIVCOK3EA1E  F 051TF                    13320061    + 03000                RW13  K3PGB JS
       SUSAP KEAGK3FR13   R      020KIVCOK3EA2WN          N        ALNAV                                                      JS
       SUSAP KEAGK3FR13   R      030RW13 K3PG0GY M 031TF                    13330057      01171          -305                B JS
       SUSAP KEAGK3FR13   R      040         0  M  010CA                    1333        + 01533                                B JS
       SUSAP KEAGK3FR13   R      050SAYQUK3EA0EY   010DF                               + 03000                                B JS
       SUSAP KEAGK3FR13   R      060SAYQUK3EA0EE  R020HM                    31350040    + 03000                                B JS
```

QUALITY 1 CHECKED

| CITY AND STATE | ELEVATION: 1133 TDZE: 1133 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| EAGLE GROVE, IA | AIRPORT NAME: EAGLE GROVE MUNI | RNAV | RNAV (GPS) RWY 13, ORIG 11 FEB 2010 | AMDT: NONE |
| | | | | DATED: |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KEAGK3GRW13     0035001334 N42424800W093551458-0100     +0316601131012940060R

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KEAGK3SRW13 K3PG              0    18018003425                                                              M
```

QUALITY 1 CHECKED

| CITY AND STATE | ELEVATION: 1133 TDZE: 1133 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| EAGLE GROVE, IA | AIRPORT NAME: EAGLE GROVE MUNI | RNAV | RNAV (GPS) RWY 13, ORIG 11 FEB 2010 | AMDT: NONE |
| | | | | DATED: |

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| FOD VORTAC | OYIQY (FB) | 102.03 / 21.69 | 3000 |
| ALOCK | IWDIY (FB) | 280.63 / 10.49 | 3000 |
| IWDIY (IAF) | SAYQU (NOPT) (FB) | 223.56 / 5.00 | 3000 |
| OYIQY (IAF) | SAYQU (NOPT) (FB) | 043.44 / 5.00 | 3000 |
| SAYQU (IF/IAF) | UKYUG (FB) | 313.50 / 5.34 | 3000 |

## MISSED APPROACH

LNAV: RW31

CLIMB TO 3000 DIRECT TIDMY AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD NW, RT, 133.24 INBOUND.
FAS OBST: 1344 AAO 423947N/0935055W
UKYUG TO RW31: 3.05/40.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SE SAYQU, RT, 313.50 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 313.44 FAF: UKYUG DIST FAF TO MAP: 5.66 THLD: 5.66
4. MIN. ALT: SAYQU 3000, UKYUG 3000
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM: RW31 3400

MAG VAR: 3E EPOCH YEAR: 1995

## MINIMUMS

TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | X

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| LNAV MDA | 1640 | 1 | 507 | 1640 | 1 | 507 | | NA | | | NA | | | | |
| CIRCLING | 1660 | 1 | 527 | 1660 | 1 | 527 | | NA | | | NA | | | | |

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART NOTE: USE CLARION ALTIMETER SETTING; WHEN NOT RECEIVED USE FORT DODGE ALTIMETER SETTING.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON FOD VORTAC AIRWAY RADIALS 048 CW 150.

QUALITY 5 CHECKED

| CITY AND STATE | ELEVATION: 1133 TDZE: 1133 | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| EAGLE GROVE, IA | AIRPORT NAME: EAGLE GROVE MUNI | RNAV | RNAV (GPS) RWY 31, AMDT 1 11 FEB 2010 | AMDT: ORIG |
| | | | | DATED 07/05/2007 |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        FOD   K3011350VTHA N42364005W094174134    N42364005W094174134E0070011642     NARFORT DODGE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ALOCK K30    C   L N42352431W093254343                                  NAR           ALOCK
        SUSAEAENRT   IWDIY K30    W     N42375195W093393239                                  NAR           IWDIY
        SUSAEAENRT   OYIQY K30    W     N42305881W093492143                                  NAR           OYIQY
        SUSAEAENRT   SAYQU K30    W     N42342549W093442718                                  NAR           SAYQU
        SUSAEAENRT   TIDMY K30    W     N42511811W094061621                                  NAR           TIDMY
        SUSAEAENRT   UKYUG K30    W     N42381782W093492598                                  NAR           UKYUG

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KEAGK3AEAG     0     035YHN42423530W093545801E003001133         1800018000C    MNAR    EAGLE GROVE MUNI

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KEAGK3FR31   AALOCK 010ALOCKK3EA0E       IF                                                18000                 B JS
        SUSAP KEAGK3FR31   AALOCK 020IWDIYK3EA0E  A 020TF                      28060105    + 03000                             B JS
        SUSAP KEAGK3FR31   AALOCK 030SAYQUK3EA0EE B 010TF                      22360050    + 03000                             B JS
        SUSAP KEAGK3FR31   AFOD   010FOD  K3D 0V       IF                                                18000                 B JS
        SUSAP KEAGK3FR31   AFOD   020OYIQYK3EA0E  A 020TF                      10200217    + 03000                             B JS
        SUSAP KEAGK3FR31   AFOD   030SAYQUK3EA0EE B 010TF                      04340050    + 03000                             B JS
        SUSAP KEAGK3FR31   ASAYQU 010SAYQUK3EA0EE AR   HF                      31350040    + 03000     18000                   B JS
        SUSAP KEAGK3FR31   R      010SAYQUK3EA0E  I    IF                                  + 03000     18000                   B JS
        SUSAP KEAGK3FR31   R      020UKYUGK3EA1E  F 051TF                      31350053    + 03000                 RW31  K3PGB JS
        SUSAP KEAGK3FR31   R      020UKYUGK3EA2WN          N          ALNAV                                                      JS
        SUSAP KEAGK3FR31   R      030RW31 K3PG0GY M 031TF                      31340057      01169             -305            B JS
        SUSAP KEAGK3FR31   R      040         0  M  010CA                      3134        + 01533                             B JS
        SUSAP KEAGK3FR31   R      050TIDMYK3EA0EY   010DF                                  + 03000                             B JS
        SUSAP KEAGK3FR31   R      060TIDMYK3EA0EE  R020HM                      13320040    + 03000                             B JS
```

QUALITY 7 CHECKED

| CITY AND STATE | ELEVATION: 1133 TDZE: 1133 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| EAGLE GROVE, IA | AIRPORT NAME: EAGLE GROVE MUNI | RNAV | RNAV (GPS) RWY 31, AMDT 1 11 FEB 2010 | AMDT: ORIG |
| | | | | DATED: 07/05/2007 |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
            1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------
        SUSAP KEAGK3GRW31     0035003134 N42422389W093544342+0100     +031610112900004006OR

            1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------
        SUSAP KEAGK3SRW31 K3PG               0    18018003425                                                                  M
```

QUALITY 1 CHECKED

| CITY AND STATE | ELEVATION: 1133 TDZE: 1133 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| **EAGLE GROVE, IA** | AIRPORT NAME: **EAGLE GROVE MUNI** | **RNAV** | **RNAV (GPS) RWY 31, AMDT 1** 11 FEB 2010 | AMDT: **ORIG** |
| | | | | DATED: **07/05/2007** |

U.S. DEPARTMENT of TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

## (1) TAKEOFF MINIMUMS:

**RWY 01, 19, NA-Environmental.**
**RWY 13, 31 STANDARD.**

## (2) TEXTUAL DEPARTURE PROCEDURE:

## (3) TAKEOFF OBSTACLE NOTES:

**NOTE: RWY 13, VEHICLE ON ROAD 520' FROM DER, 495' LEFT OF CENTERLINE, 15' AGL/1154 MSL. TRAIN ON TRACKS, 493 FROM DER, 626' LEFT OF CENTERLINE, 23' AGL/1152' MSL. TREES BEGINNING 4352' FROM DER, 1120' LEFT OF CENTERLINE, UP TO 100' AGL/1239' MSL.**
**NOTE: RWY 31, VEHICLE ON ROAD ABEAM DER, 281' LEFT OF CENTERLINE, 15' AGL/1154' MSL.**

## (4) CONTROLLING OBSTACLES:

QUALITY 5 CHECK

| (5) City, State | (6) Airport | (7) Effective Date | (8) Amdt. No. |
|---|---|---|---|
| EAGLE GROVE, IA | EAGLE GROVE MUNI | 11 FEB 2010 | 3 |

**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**

**VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE**

**FLIGHT STANDARDS SERVICE - FAR PART 97.23**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| FOD VORTAC (IAF) | LUGBE/FOD 7.00 DME | 062.99 / 7.00 | 2800 |
| LUGBE/FOD 7.00 DME (IF) | OZXOS/FOD 12.00 DME | 062.99 / 5.00 (FOD R-063) | 2800 |

## MISSED APPROACH

MAP: MANBL/FOD VORTAC 17.65 DME FIX

CLIMB TO 2800 THEN LEFT TURN VIA FOD VORTAC R-063 TO FOD VORTAC AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD NW, RT, 120.35 INBOUND.
CHART FAS OBST: 1478 TOWER 423918N/0935925W
CHART: CLARION AWOS-3.
FAC CROSSES APPROACH END OF RWY 13.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT FOD VORTAC
3. FAC 062.99 FAF OZXOS/FOD 12.00 DME DIST FAF TO MAP ____ THLD ____
4. MIN. ALT FOD VORTAC 2800, LUGBE 2800, OZXOS 2800
8. MSA FROM: FOD VORTAC 270-360 3400, 360-270 2800

MAG VAR: 7E EPOCH YEAR: 1965

## MINIMUMS

TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | X |

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA |
| CIRCLING | 1660 | 1 | 527 | 1660 | 1 | 527 | | NA | | | NA | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

NOTES:

CHART NOTE: USE CLARION ALTIMETER SETTING; WHEN NOT RECEIVED USE FORT DODGE ALTIMETER SETTING.

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 1133 TDZE: / AIRPORT NAME: | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP / AMDT / DATE |
|---|---|---|---|---|
| EAGLE GROVE, IA | EAGLE GROVE MUNI | FOD | VOR/DME-A, AMDT 2<br>11 FEB 2010 | SUP VOR/DME OR GPS-A<br>AMDT 1<br>DATE 05/25/1995 |

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. *Altitudes are minimum altitudes unless otherwise indicated.* Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**TERMINAL ROUTES**

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| | | | |

**MISSED APPROACH**

ADDITIONAL FLIGHT DATA:

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. ____
3. FAC ____ FAF ____ DIST FAF TO MAP ____ THLD ____
4. MIN. ALT ____
8. MSA FROM:

MAG VAR: EPOCH YEAR:

TAKEOFF: | STANDARD | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: NA |

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

NOTES:

**PROCEDURE CANCELED EFFECTIVE** 11 FEB 2010

| CITY AND STATE | ELEVATION: 1122 TDZE: 1122 | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP |
|---|---|---|---|---|
| **WEBSTER CITY, IA** | AIRPORT NAME: **WEBSTER CITY MUNI** | **GPS** | **GPS RWY 32, ORIG, 01/04/1996** | AMDT **NONE** |
| | | | | DATE |

**FAA FORM 8260-5 / December 2002 (computer generated)**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| WENKO | TORKS (FB) | 064.64 / 11.28 | 3000 |
| TORKS (IAF) | OLTOE (NOPT) (FB) | 051.02 / 5.00 | 3000 |
| SHODR (IAF) | OLTOE (NOPT) (FB) | 275.12 / 10.28 | 3000 |
| OLTOE (IF/IAF) | BLDSO (FB) | 321.08 / 6.10 | 2700 |

## MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW32

CLIMB TO 3000 DIRECT HOGOD AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD NW, RT, 140.89 INBOUND.
CHART FAS OBST: 1185 TREE 422540N/0935135W
FAS OBST: 1304 AAO 422305N/0934753W
DISTANCE TO THLD FROM 275 HAT: 0.74 NM.
WAAS CHANNEL # 90516
REFERENCE PATH ID: W32A
CHART TDZE 1122.
CHART AIPORT ELEV 1122.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SE OLTOE, RT, 321.08 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 321.02 FAF: BLDSO DIST FAF TO MAP: 4.77 THLD: 4.77
4. MIN. ALT: OLTOE 3000, BLDSO 2700, DOVVA/1.50 NM TO RW32 1620*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2700 GS ALT AT: BLDSO OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR
8. MSA FROM: RW32 2800

MAG VAR: 3E EPOCH YEAR: 1995

## MINIMUMS

TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | | STANDARD @

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| LPV DA | 1397 | 1 | 275 | 1397 | 1 | 275 | 1397 | 1 | 275 | | NA | | | | |
| LNAV/VNAV DA | 1435 | 1 | 313 | 1435 | 1 | 313 | 1435 | 1 | 313 | | NA | | | | |
| LNAV MDA | 1480 | 1 | 358 | 1480 | 1 | 358 | 1480 | 1 | 358 | | NA | | | | |
| | | | | | | | | | | | | | | | |
| CIRCLING | 1540 | 1 | 418 | 1580 | 1 | 458 | 1640 | 1 1/2 | 518 | | NA | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

NOTES:
CHART NOTE: BARO-VNAV NA WHEN USING CLARION ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
SEE 8260-10
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

| CITY AND STATE | ELEVATION: 1122 TDZE: 1122 | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| WEBSTER CITY, IA | AIRPORT NAME: WEBSTER CITY MUNI | RNAV | RNAV (GPS) RWY 32, ORIG 11 FEB 2010 | AMDT: NONE |
| | | | | DATED |

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) - STANDARD**
**INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**NOTES CONT.**
**CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.**
***LNAV ONLY**
**CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CLARION ALTIMETER SETTING AND INCREASE ALL DA 50 FEET AND ALL MDA 60 FEET. INCREASE LPV AND LNAV/VNAV ALL CATS AND LNAV CAT C VISIBILITY 1/4 MILE.**

| CITY AND STATE | | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | |
|---|---|---|---|---|
| **WEBSTER CITY, IA** | **ELEVATION: 1122 TDZE: 1122**<br>AIRPORT NAME:<br>**WEBSTER CITY MUNI** | **RNAV** | **RNAV (GPS) RWY 32, ORIG**<br>11 FEB 2010 | SUP:<br>AMDT: **NONE**<br>DATED: |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## FAS DATA BLOCK INFORMATION

| DATA FIELD | DATA |
|---|---|
| OPERATION TYPE | 0 |
| SBAS SERVICE PROVIDER IDENTIFIER | 0 |
| AIRPORT IDENTIFIER | KEBS |
| RUNWAY | RW32 |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | |
| REFERENCE PATH DATA SELECTOR | 0 |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | W32A |
| LTP/FTP LATITUDE | 422553.8105N |
| LTP/FTP LONGITUDE | 0935152.3705W |
| LTP/FTP ELLIPSOIDAL HEIGHT | +03151 |
| FPAP LATITUDE | 422705.8900N |
| FPAP LONGITUDE | 0935303.1500W |
| THRESHOLD CROSSING HEIGHT (TCH) | 00040.0 |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F |
| GLIDEPATH ANGLE (GPA) | 03.00 |
| COURSE WIDTH AT THRESHOLD | 106.75 |
| LENGTH OFFSET | 1528 |
| HORIZONTAL ALERT LIMIT (HAL) | 40.0 |
| VERTICAL ALERT LIMIT (VAL) | 50.0 |
| CRC REMAINDER | A9127943 |

## ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|---|---|
| ICAO CODE | K3 |
| LTP ORTHOMETRIC HEIGHT | +03419 |
| FPAP ORTHOMETRIC HEIGHT | +03419 |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**ARINC PACKET - 424-18 - RNAV (GPS)**

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BLDSO K30    W     N42220231W093480545                          NAR           BLDSO
        SUSAEAENRT   DOVVA K30    W     N42244099W093504092                          NAR           DOVVA
        SUSAEAENRT   HOGOD K30    C     N42361988W094020870                          NAR           HOGOD
        SUSAEAENRT   OLTOE K30    W     N42170579W093431566                          NAR           OLTOE
        SUSAEAENRT   SHODR K30    C   L N42153937W093293271                          NAR           SHODR
        SUSAEAENRT   TORKS K30    W     N42140960W093484272                          NAR           TORKS
        SUSAEAENRT   WENKO K30    C   L N42095284W094024565                          NAR           WENKO

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KEBSK3AEBS     0     040YHN42261140W093520860E003001122         1800018000C    MNAR    WEBSTER CITY MUNI

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KEBSK3FR32   AOLTOE 010OLTOEK3EA0EE AR   HF                  32110040    + 03000     18000                A JS
        SUSAP KEBSK3FR32   ASHODR 010SHODRK3EA0E  A    IF                                      18000                A JS
        SUSAP KEBSK3FR32   ASHODR 020OLTOEK3EA0EE B 010TF                  27510103    + 03000                          A JS
        SUSAP KEBSK3FR32   AWENKO 010WENKOK3EA0E       IF                                      18000                A JS
        SUSAP KEBSK3FR32   AWENKO 020TORKSK3EA0E  A 020TF                  06460113    + 03000                          A JS
        SUSAP KEBSK3FR32   AWENKO 030OLTOEK3EA0EE B 010TF                  05100050    + 03000                          A JS
        SUSAP KEBSK3FR32   R      010OLTOEK3EA0E  I    IF                             + 03000     18000                A JS
        SUSAP KEBSK3FR32   R      020BLDSOK3EA1E  F 051TF                  32110061    + 02700                RW32  K3PGA JS
        SUSAP KEBSK3FR32   R      020BLDSOK3EA2WALPV       ALNAV/VNAV ALNAV                                            JS
        SUSAP KEBSK3FR32   R      021DOVVAK3EA0E S  031TF                  32100033    V 0162001642       -300             A JS
        SUSAP KEBSK3FR32   R      030RW32 K3PG0GY M 031TF                  32100015      01162            -300             A JS
        SUSAP KEBSK3FR32   R      040         0  M  010CA                  3210        + 01397                          A JS
        SUSAP KEBSK3FR32   R      050HOGODK3EA0EY   010DF                             + 03000                          A JS
        SUSAP KEBSK3FR32   R      060HOGODK3EA0EE  R020HM                  14090040    + 03000                          A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KEBSK3GRW32    0040073210 N42255381W093515237-0400    +0315101122000040075R
```

| CITY AND STATE | ELEVATION: 1122 TDZE: 1122 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| WEBSTER CITY, IA | AIRPORT NAME: WEBSTER CITY MUNI | RNAV | RNAV (GPS) RWY 32, ORIG 11 FEB 2010 | AMDT: NONE |
| | | | | DATED: |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
PP  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
    ------------------------------------------------------------------------------------------------------------------------------
    SUSAP KEBSK3PR32   RW32 001 0000W32A0N4225538105W09351523705+031510300N4227058900W09353031500106751528000400F400500A9127943
    SUSAP KEBSK3PR32   RW32 002E      +03419+03419LPV       90516

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
    ------------------------------------------------------------------------------------------------------------------------------
    SUSAP KEBSK3SRW32 K3PG              0   18018002825                                                                  M
```

| CITY AND STATE | ELEVATION: 1122 TDZE: 1122 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| **WEBSTER CITY, IA** | AIRPORT NAME: **WEBSTER CITY MUNI** | **RNAV** | **RNAV (GPS) RWY 32, ORIG** 11 FEB 2010 | AMDT: **NONE** |
| | | | | DATED: |

U.S. DEPARTMENT of TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

**(1) TAKEOFF MINIMUMS:**

**RWY 14, 32, STANDARD.**

**RWY 5, 23, NA - ENVIRONMENT**

**(2) TEXTUAL DEPARTURE PROCEDURE:**

**(3) TAKEOFF OBSTACLE NOTES:** **NOTE: RWY 14, TREES BEGINNING 1848' FROM DER, 223' LEFT OF CENTERLINE, UP TO 61' AGL/1185' MSL. NOTE: RWY 32, VEHICLE PLUS ROAD 563' FROM DER, 55' RIGHT OF CENTERLINE, 15' AGL/1123' MSL. TREES 3830' FROM DER, 826' RIGHT OF CENTERLINE, 100' AGL/1209' MSL.**

**(4) CONTROLLING OBSTACLES:**

| (5) City, State | (6) Airport | (7) Effective Date | (8) Amdt. No. |
|---|---|---|---|
| WEBSTER CITY, IA | WEBSTER CITY MUNI | 11 FEB 2010 | ORIG |

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# ILS - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| DIETS INT/TOP 26.43 DME | BILOY LOM/INT | 043.21 / 20.72 | 3600 |
| TOP VORTAC | BILOY LOM/INT | 256.21 / 6.52 | 2800 |
| ROVVO/TOP 12.00 DME CCW (IAF) | BECME INT (NOPT) | 12.00 DME ARC (TOP LR-294) | 2800 |
| BECME INT (IF) | BILOY LOM/INT | 129.33 / 6.90 (I-TOP) | 2300 |

## MISSED APPROACH

ILS: DA
LOC: 3.92 MILES AFTER BILOY LOM/INT

CLIMB TO 1600 THEN CLIMBING LEFT TURN TO 2800 DIRECT TOP VORTAC AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 1600 THEN CLIMBING LEFT TURN TO 2800 DIRECT BILOY LOM/INT AND HOLD NW, LT, 129.33 INBOUND (ADF REQUIRED).

ADDITIONAL FLIGHT DATA:
HOLD NE, LT, 205.00 INBOUND.
CHART: ALTERNATE MA HOLDING, HOLD NW BILOY LOM/INT, LT, 129.33 INBOUND.
CHART FAS OBST: 1069 TREE 390558N/0953903W
CHART TOP R-072 AT ROVVO.
CHART MAXIMUM 6,000 AT BILOY OM/INT.

1. PT R SIDE OF COURSE 309.33 OUTBOUND 2800 FT WITHIN 10 MILES OF BILOY LOM (IAF)
2.
3. FAC: 129.33 FAF: BILOY LOM/INT DIST FAF TO MAP: 3.92 THLD: 3.92
4. MIN. ALT: BILOY LOM 2300, OGASY INT 1400*$
5. DIST TO THLD FROM OM: 3.92 MM: 0.50 IM: - 150 HAT: - 100 HAT: - GS ANT: 745
6. MIN GS INCPT: 2300 GS ALT AT: GS INTCP OM: 2179 MM: 1079 IM: -
7. GS ANGLE: 3.00 TCH: 38.5
8. MSA FROM: TO LOM 120-300 3600, 300-120 3100

MAG VAR: 5E EPOCH YEAR: 2000

## MINIMUMS

TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | | ILS: STANDARD # LOC: STANDARD @

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| S-ILS 13 | 1081 | 1/2 | 200 | 1081 | 1/2 | 200 | 1081 | 1/2 | 200 | | NA | | | | |
| S-LOC 13 | 1400 | 1/2 | 519 | 1400 | 1/2 | 519 | 1400 | 1 | 519 | | NA | | | | |
| CIRCLING | 1400 | 1 | 519 | 1400 | 1 | 519 | 1460 | 1 1/2 | 579 | | NA | | | | |
| OGASY FIX MINIMUMS | | | | | | | | | | | | | | | |
| S-LOC 13 | 1340 | 1/2 | 459 | 1340 | 1/2 | 459 | 1340 | 3/4 | 459 | | NA | | | | |
| CIRCLING | 1340 | 1 | 459 | 1360 | 1 | 479 | 1460 | 1 1/2 | 579 | | NA | | | | |
| | | | | | | | | | | | | | | | |

NOTES:
CHART NOTE: FOR INOPERATIVE MALSR WHEN USING FORBES FIELD ALTIMETER SETTING, INCREASE S-ILS 13 VISIBILITY TO 1 MILE.
*LOC ONLY
$1440 WHEN USING FORBES FIELD ALTIMETER SETTING.
SEE 8260-10

# @ NA WHEN CONTROL TOWER CLOSED.
# @ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 881 TDZE: 881 | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP: ILS RWY 13 |
|---|---|---|---|---|
| TOPEKA, KS | AIRPORT NAME: PHILIP BILLARD MUNI | I-TOP | ILS OR LOC RWY 13, AMDT 33 11 FEB 2010 | AMDT: 32A DATED 11/23/2006 |

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

**ILS - STANDARD**
**INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**NOTES CONT.**
**CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FORBES FIELD ALTIMETER SETTING AND INCREASE ALL DA 45 FEET AND ALL MDA 60 FEET, INCREASE CIRCLING CAT C AND OGASY FIX MINIMUMS S-LOC 13 AND CIRCLING CAT C VISIBILITY 1/4 MILE.**

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 881 TDZE: 881 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: ILS RWY 13 |
|---|---|---|---|---|
| **TOPEKA, KS** | AIRPORT NAME: **PHILIP BILLARD MUNI** | **I-TOP** | **ILS OR LOC RWY 13, AMDT 33** 11 FEB 2010 | AMDT: 32A |
| | | | | DATED: 11/23/2006 |

U.S. DEPARTMENT of TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

## (1) TAKEOFF MINIMUMS:

**RWY 11, 16,** STANDARD

**RWY 29,** 400-3 OR STANDARD WITH MINIMUM CLIMB OF 535' PER NM TO 1000.

**RWY 34,** 400-2 1/2 OR STANDARD WITH MINIMUM CLIMB OF 351' PER NM TO 900.

## (2) TEXTUAL DEPARTURE PROCEDURE:

**RWY 11 -** CLIMB VIA HEADING 107.35 AND MLT R-330 TO MLT VOR/DME THENCE...

**RWY 16 -** CLIMB VIA HEADING 155.93 AND MLT R-309 TO MLT VOR/DME THENCE...

**RWY 29 -** CLIMB VIA HEADING 287.36 TO 1000 THEN CLIMBING LEFT TURN VIA HEADING 152.00 AND MLT R-290 TO MLT VOR/DME THENCE...

**RWY 34 -** CLIMBING RIGHT TURN VIA HEADING 156.00 AND MLT R-344 TO MLT VOR/DME THENCE...

...CONTINUE CLIMB IN MLT VOR/DME HOLDING PATTERN (SE, RT, 319.36 INBOUND) TO CROSS MLT VOR/DME AT OR ABOVE 3000 BEFORE PROCEEDING ON COURSE.

## (3) TAKEOFF OBSTACLE NOTES:

**NOTE: RWY 11,** BUSHES BEGINNING 82' FROM DER, 25' LEFT OF CENTERLINE, UP TO 16'AGL/406' MSL. TREES BEGINNING 49' FROM DER, 258' LEFT OF CENTERLINE, UP TO 100' AGL/489' MSL. TREES BEGINNING 52' FROM DER, 247' RIGHT OF CENTERLINE, UP TO 100' AGL/489' MSL. TREES BEGINNING 1,685' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100' AGL/519' MSL.
**NOTE: RWY 16,** VEHICLE 311' FROM DER, LEFT AND RIGHT OF CENTERLINE, 15' AGL/393' MSL. TREES BEGINNING 84' FROM DER, 272' LEFT OF CENTERLINE, UP TO 64' AGL/444' MSL. TREES BEGINNING 20' FROM DER, 247' RIGHT OF CENTERLINE, UP TO 66' AGL/436' MSL. TREES BEGINNING 791' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100' AGL/489' MSL. **(CONTINUED)**

## (4) CONTROLLING OBSTACLES:

**RWY 11, 16:** 5468 MSL AAO 455412.50N/0685535.40W
**RWY 29:** 604 MSL STACK 453847.00N/0684216.00W; 782 MSL TOWER 453846.00N/0684504.00W; 3105 MSL AAO 453704.34N/0690342.31W; 5468 MSL AAO 455412.50N/0685535.40W
**RWY 34:** 579 MSL TREE 453939.47N/0684156.74W; 3105 MSL AAO 453704.34N/0690342.31W; 5468 MSL AAO 455412.50N/0685535.40W

| (5) City, State | (6) Airport | (7) Effective Date | (8) Amct. No. |
|---|---|---|---|
| **MILLINOCKET, ME** | **MILLINOCKET MUNI** | 11 FEB 2010 | 3 |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL.. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**(3) TAKEOFF OBSTACLES: (CONTINUED)**

**NOTE: RWY 29,**
ANTENNA, TOWERS, POWERLINES, AND STACKS BEGINNING 294' FROM DER, 250' LEFT OF CENTERLINE, UP TO 302' AGL/782' MSL.
OBSTACLE LIGHT ON LOCALIZER, ANTENNA, AND POWERLINES BEGINNING 301' FROM DER, 1' RIGHT OF CENTERLINE, UP TO 114' AGL/584' MSL.
TREES BEGINNING 300' FROM DER, 395' LEFT OF CENTERLINE, UP TO 62' AGL/452' MSL.
TREES BEGINNING 705' FROM DER, 237' RIGHT OF CENTERLINE, UP TO 78' AGL/ 678' MSL.

**NOTE: RWY 34,**
TREES BEGINNING 28' FROM DER, 249' RIGHT OF CENTERLINE, UP TO 113' AGL/729' MSL.
TREES BEGINNING 261' FROM DER, 317' LEFT OF CENTERLINE, UP TO 67' AGL 457' MSL.
TOWER 11,162' FROM DER, 470' RIGHT OF CENTERLINE, 310' AGL/708' MSL.

| City, State | Airport | Effective Date | Amdt. No. |
|---|---|---|---|
| **MILLINOCKET, ME** | **MILLINOCKET MUNI** | 11 FEB 2010 | **3** |

| DP Name | Number | DP Computer Code | Superseded Number | Dated | Effective Date |
|---|---|---|---|---|---|
| | | | | | |

**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**

**GPS STANDARD INSTRUMENT APPROACH PROCEDURE**

**FLIGHT STANDARDS SERVICE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**TERMINAL ROUTES**

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| | | | |

**MISSED APPROACH**

ADDITIONAL FLIGHT DATA:

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. ____
3. FAC ____ FAF ____ DIST FAF TO MAP ____ THLD ____
4. MIN. ALT ____
8. MSA FROM:

MAG VAR: EPOCH YEAR:

TAKEOFF: | STANDARD | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: NA |

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

NOTES:

**PROCEDURE CANCELED EFFECTIVE** 11 FEB 2010

QUALITY CHECK

| CITY AND STATE | AIRPORT | FACILITY IDENTIFIER | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | |
|---|---|---|---|---|
| **GRANITE FALLS, MN** | **ELEVATION: 1047 TDZE: 1045**<br>AIRPORT NAME:<br>**GRANITE FALLS MUNI/LENZEN-ROE MEML FLD** | **GPS** | **GPS RWY 33, ORIG-B, 06/05/2008** | SUP<br>AMDT **ORIG-A**<br>DATE **10/05/2001** |

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| RISLE | JUNES (FB) | 126.75 / 19.04 | 3800 |
| JUNES (IAF) | MOLOW (NOPT) (FB) | 051.07 / 8.33 | 3800 |
| MOLOW (IF/IAF) | JOCKA (FB) | 333.17 / 7.12 | 3000 |

## MISSED APPROACH

LNAV: RW33

CLIMBING LEFT TURN TO 3800 DIRECT MOLOW AND HOLD.

ADDITIONAL FLIGHT DATA:
CHART FAS OBST: 1189 TREE 444220N/0953109W
JOCKA TO RW33: 3.05/40.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SE MOLOW, RT, 333.17 INBOUND, 3800 FT. IN LIEU OF PT (IAF)
3. FAC: 333.11 FAF: JOCKA DIST FAF TO MAP: 5.94 THLD: 5.94
4. MIN. ALT: MOLOW 3800, JOCKA 3000
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM: RW33 3000

MAG VAR: 4E EPOCH YEAR: 2000

## MINIMUMS

TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | | STANDARD @

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| LNAV MDA | 1480 | 1 | 435 | 1480 | 1 | 435 | 1480 | 1 1/4 | 435 | 1480 | 1 1/2 | 435 | | | |
| CIRCLING | 1480 | 1 | 433 | 1500 | 1 | 453 | 1500 | 1 1/2 | 453 | 1600 | 2 | 553 | | | |

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT JUNES VIA V26 WESTBOUND.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MONTEVIDEO ALTIMETER SETTING AND INCREASE ALL MDA 40 FT.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY 6 CHECKED

| CITY AND STATE | AIRPORT | FACILITY IDENTIFIER | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | |
|---|---|---|---|---|
| GRANITE FALLS, MN | ELEVATION: 1047 TDZE: 1045<br>AIRPORT NAME:<br>GRANITE FALLS MUNI/LENZEN-ROE MEML FLD | RNAV | RNAV (GPS) RWY 33, ORIG<br>11 FEB 2010 | SUP:<br>AMDT: NONE<br>DATED |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**ARINC PACKET - 424-18 - RNAV (GPS)**

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   JOCKA K30    W     N44392671W095295713                          NAR          JOCKA
          SUSAEAENRT   JUNES K30    C   L N44280764W095353772                          NAR          JUNES
          SUSAEAENRT   MOLOW K30    C   L N44325321W095260502                          NAR          MOLOW
          SUSAEAENRT   RISLE K30    R   L N44403532W095554642                          NAR          RISLE

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KGDBK3AGDB     0     043YHN44451182W095332166E004001047        1800018000C    MNAR    GRANITE FALLS MUNI/LENZEN-ROE

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KGDBK3FR33   AJUNES 010JUNESK3EA0E  A    IF                                          18000                B JS
          SUSAP KGDBK3FR33   AJUNES 020MOLOWK3EA0EE B 010TF                  05110083    + 03800                          B JS
          SUSAP KGDBK3FR33   AMOLOW 010MOLOWK3EA0EE AR   HF                33320040    + 03800     18000                B JS
          SUSAP KGDBK3FR33   ARISLE 010RISLEK3EA0E       IF                                      18000                B JS
          SUSAP KGDBK3FR33   ARISLE 020JUNESK3EA0E  A 020TF                  12680190    + 03800                          B JS
          SUSAP KGDBK3FR33   ARISLE 030MOLOWK3EA0EE B 010TF                  05110083    + 03800                          B JS
          SUSAP KGDBK3FR33   R      010MOLOWK3EA0E  I    IF                              + 03800     18000                B JS
          SUSAP KGDBK3FR33   R      020JOCKAK3EA1E  F 051TF                  33320071    + 03000                RW33  K3PGB JS
          SUSAP KGDBK3FR33   R      020JOCKAK3EA2WN          N          ALNAV                                              JS
          SUSAP KGDBK3FR33   R      030RW33 K3PG0GY M 031TF                  33310059      01077          -305            B JS
          SUSAP KGDBK3FR33   R      040MOLOWK3EA0EYM L010DF                             + 03800                          B JS
          SUSAP KGDBK3FR33   R      050MOLOWK3EA0EE  R020HM                  33320040    + 03800                          B JS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KGDBK3GRW33    0043503331 N44445502W095331169+0200    +02894010370650400075R

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KGDBK3SRW33 K3PG              0   18018003025                                                              M
```

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 1047 TDZE: 1045 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| GRANITE FALLS, MN | AIRPORT NAME: GRANITE FALLS MUNI/LENZEN-ROE MEML FLD | RNAV | RNAV (GPS) RWY 33, ORIG 11 FEB 2010 | AMDT: NONE |
| | | | | DATED: |

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# ILS - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| KECKS INT/CLT VOR/DME 10.62 DME (IF) | ERKAW/RADAR | 055.47 / 6.01 (I-CLT) | 2500 |

## MISSED APPROACH

ILS: DA
LOC: 5.39 MILES AFTER ERKAW/RADAR

CLIMB TO 4000 VIA HEADING 055.47 AND CLT VOR/DME R-050 TO ATELL INT/CLT VOR/DME 12.07 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000; OR WHEN DIRECTED BY ATC, CLIMB TO 4000 VIA HEADING 055.47 AND BZM R-151 TO ATELL/BZM 39.25 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000, HOLD NW, LT, 150.71 INBOUND (DME REQUIRED).

ADDITIONAL FLIGHT DATA:
HOLD NE, RT, 229.77 INBOUND.
CHART: ALTERNATE MA HOLDING, HOLD NW ATELL/BZM 39.25 DME, LT, 150.71 INBOUND.
CHART FAS OBST: 859 TREE 350826N/0810205W

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT KECKS
3. FAC: 055.47 FAF: ERKAW/RADAR DIST FAF TO MAP: 5.39 THLD: 5.39
4. MIN. ALT: KECKS 4000, ERKAW 2500
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1200
6. MIN GS INCPT: 2500 GS ALT AT: ERKAW/RADAR 2500 OM: - MM: - IM: -
7. GS ANGLE: 3.00 TCH: 51.2
8. MSA FROM: CLT VOR/DME 3800

MAG VAR: 7W EPOCH YEAR: 2000

## MINIMUMS

TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | ILS: STANDARD | LOC: STANDARD

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| S-ILS 5 | * 916 | 2400 | 200 | * 916 | 2400 | 200 | * 916 | 2400 | 200 | * 916 | 2400 | 200 | | | |
| S-LOC 5 | 1120 | 2400 | 404 | 1120 | 2400 | 404 | 1120 | 4000 | 404 | 1120 | 4000 | 404 | | | |
| CIRCLING | 1240 | 1 | 492 | 1240 | 1 | 492 | 1260 | 1 1/2 | 512 | 1300 | 2 | 552 | | | |

NOTES:
CHART NOTE: CIRCLING NA AT NIGHT.
CHART NOTE: RADAR REQUIRED.
CHART PLANVIEW NOTE: RADAR REQUIRED.
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.
CHART NOTE: *RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 748 TDZE: 716 | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| CHARLOTTE, NC | AIRPORT NAME: CHARLOTTE/DOUGLAS INTL | I-CLT | ILS OR LOC RWY 5, AMDT 38 11 FEB 2010 | AMDT: 37B |
| | | | | DATED 05/07/2009 |

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# ILS - STANDARD
# INSTRUMENT APPROACH PROCEDURE
# FAR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| JEDKO/CLT 24.76 DME/RADAR (IAF) | LERDY/CLT 21.61 DME/RADAR | 182.96 / 3.15 (I-PEP) | 7000* |
| LERDY/CLT 21.61 DME/RADAR | FERSA/CLT 18.46 DME/RADAR | 182.96 / 3.15 (I-PEP) | 6000* |
| FERSA/CLT 18.46 DME/RADAR | TOMME/CLT 15.31 DME/RADAR | 182.96 / 3.15 (I-PEP) | 5000* |
| TOMME/CLT 15.31 DME/RADAR (IF) | HAGUL/CLT 12.16 DME/RADAR | 182.96 / 3.15 (I-PEP) | 4000* |
| HAGUL/CLT 12.16 DME/RADAR | OZEJI/CLT 9.01 DME/RADAR | 182.96 / 3.15 (I-PEP) | 3000 |

## MISSED APPROACH

ILS: DA
LOC: 6.79 MILES AFTER OZEJI/CLT 9.01 DME/RADAR OR AT CLT 2.22 DME FIX

CLIMB TO 3000 VIA CLT R-181 TO FORET INT/CLT 12.72 DME AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 3000 VIA HEADING 182.96 AND CTF R-304 TO FORET/CTF 37.94 DME AND HOLD SE, LT, 304.42 INBOUND (DME REQUIRED).

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 000.57 INBOUND.
CHART: ALTERNATE MA HOLDING, HOLD SE FORET/CTF 37.94 DME, LT, 304.42 INBOUND.
CHART FAS OBST: 894 TREE 351645N/0805712W
CHART LOC RWY 18L/18R.
CHART SOPHE OM SUBDUED.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT JEDKO
3. FAC: 182.96 FAF: OZEJI/CLT 9.01 DME/RADAR DIST FAF TO MAP: 6.79 THLD: 6.79
4. MIN. ALT: JEDKO 8000*, LERDY 7000*, FERSA 6000*, TOMME 5000*, HAGUL 4000*, OZEJI 3000
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1160
6. MIN GS INCPT: 3000 GS ALT AT: OZEJI/CLT 9.01 DME/RADAR 3000 OM: - MM: - IM: -
7. GS ANGLE: 3.00 TCH: 55.3
8. MSA FROM: CLT VOR/DME 3800

MAG VAR: 7W EPOCH YEAR: 2000

## MINIMUMS

TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | | ILS: STANDARD | LOC: STANDARD

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| S-ILS 18C | ** 942 | 2400 | 200 | ** 942 | 2400 | 200 | ** 942 | 2400 | 200 | ** 942 | 2400 | 200 | | | |
| S-LOC 18C | 1200 | 2400 | 458 | 1200 | 2400 | 458 | 1200 | 4000 | 458 | 1200 | 5000 | 458 | | | |
| CIRCLING | 1240 | 1 | 492 | 1240 | 1 | 492 | 1260 | 1 1/2 | 512 | 1300 | 2 | 552 | | | |

NOTES:
CHART NOTE: CIRCLING NA AT NIGHT.
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 18L/R.
CHART NOTE: DME OR RADAR REQUIRED.
CHART PLANVIEW NOTE: RADAR REQUIRED.
SEE 8260-10

QUALITY 4 CHECKED

| CITY AND STATE | ELEVATION: 748 TDZE: 742 | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| CHARLOTTE, NC | AIRPORT NAME: CHARLOTTE/DOUGLAS INTL | I-PEP | ILS OR LOC RWY 18C, AMDT 10 11 FEB 2010 | AMDT: 9A |
| | | | | DATED 11/20/2008 |

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

**ILS - STANDARD**
**INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**NOTES CONT.**
**CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.**
**CHART NOTE: **RVR 1800 AUTHORIZED WITH THE USE OF FD OR AP OR HUD TO DA.**
**CHART PROFILE NOTE: *WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT 4000 OR 5000 OR 6000 OR 7000 OR 8000.**
**CHART PLANVIEW NOTE: *WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT 4000 OR 5000 OR 6000 OR 7000 OR 8000.**
**CHART NOTE: LOC PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.**

QUALITY 4 CHECKED

| CITY AND STATE | ELEVATION: 748 TDZE: 742 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| CHARLOTTE, NC | AIRPORT NAME: CHARLOTTE/DOUGLAS INTL | I-PEP | ILS OR LOC RWY 18C, AMDT 10<br>11 FEB 2010 | AMDT: 9A<br>DATED: 11/20/2008 |

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# ILS - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| CAVVI/CLT 18.26 DME/RADAR (IAF) | SNAKK/CLT 15.11 DME/RADAR | 182.97 / 3.15 (I-VKQ) | 5000* |
| SNAKK/CLT 15.11 DME/RADAR (IF) | GILGE/CLT 11.97 DME/RADAR | 182.97 / 3.15 (I-VKQ) | 4000* |
| GILGE/CLT 11.97 DME/RADAR | QUWED/CLT 8.83 DME/RADAR | 182.97 / 3.15 (I-VKQ) | 3000 |

## MISSED APPROACH

ILS: DA
LOC: 6.78 MILES AFTER QUWED/CLT 8.83 DME/RADAR
OR AT CLT 2.20 DME FIX

CLIMB TO 1240 THEN CLIMBING LEFT TURN TO 4000 VIA HEADING 130.00 AND CLT R-110 TO NEALO/CLT 13.00 DME AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 1240 THEN CLIMBING LEFT TURN TO 4000 VIA HEADING 100.00 AND CTF R-327 TO NEALO/CTF 35.66 DME AND HOLD SE, RT, 327.41 INBOUND (DME REQUIRED).

ADDITIONAL FLIGHT DATA:
HOLD E, RT, 290.00 INBOUND.
CHART: ALTERNATE MA HOLDING, HOLD SE NEALO/CTF 35.66 DME, RT, 327.41 INBOUND.
CHART FAS OBST: 958 TOWER 351646N/0805559W
CHART HURRS OM SUBDUED.
CHART LOC RWY 18C/18R.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT CAVVI
3. FAC: 182.97 FAF: QUWED/CLT 8.83 DME/RADAR DIST FAF TO MAP: 6.78 THLD: 6.78
4. MIN. ALT: CAVVI 6000*, SNAKK 5000*, GILGE 4000*, QUWED 3000
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1016
6. MIN GS INCPT: 3000 GS ALT AT: QUWED/CLT 8.83 DME/RADAR 3000 OM: - MM: - IM: -
7. GS ANGLE: 3.00 TCH: 55.7
8. MSA FROM: CLT VOR/DME 3800

MAG VAR: 7W EPOCH YEAR: 2000

## MINIMUMS

TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | | ILS: STANDARD | LOC: STANDARD

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| S-ILS 18L | 1022 | 5000 | 274 | 1022 | 5000 | 274 | 1022 | 5000 | 274 | 1022 | 5000 | 274 | | | |
| S-LOC 18L | 1260 | 5000 | 512 | 1260 | 5000 | 512 | 1260 | 1 1/2 | 512 | 1260 | 1 3/4 | 512 | | | |
| CIRCLING | 1260 | 1 | 512 | 1260 | 1 | 512 | 1260 | 1 1/2 | 512 | 1300 | 2 | 552 | | | |

NOTES:
CHART NOTE: CIRCLING NA AT NIGHT.
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 18C/R.
CHART NOTE: DME OR RADAR REQUIRED.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
SEE 8260-10

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 748 TDZE: 748 | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| CHARLOTTE, NC | AIRPORT NAME: CHARLOTTE/DOUGLAS INTL | I-VKQ | ILS OR LOC RWY 18L, AMDT 7 | AMDT: 6A |
| | | | 11 FEB 2010 | DATED 11/20/2008 |

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

**ILS - STANDARD**
**INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**NOTES CONT.**
**CHART PLANVIEW NOTE: RADAR REQUIRED.**
**CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.**
**CHART NOTE: LOC PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.**
**CHART PROFILE NOTE: *WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT 4000 OR 5000 OR 6000.**
**CHART PLANVIEW NOTE: *WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT 4000 OR 5000 OR 6000.**

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 748 TDZE: 748 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| **CHARLOTTE, NC** | AIRPORT NAME: **CHARLOTTE/DOUGLAS INTL** | **I-VKQ** | **ILS OR LOC RWY 18L, AMDT 7** 11 FEB 2010 | AMDT: **6A** |
| | | | | DATED: **11/20/2008** |

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# ILS - STANDARD
# INSTRUMENT APPROACH PROCEDURE
# FAR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**TERMINAL ROUTES**

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| RUDKY/I-RGS 20.70 DME/RADAR (IAF) | NELLA/I-RGS 17.55 DME/RADAR | 182.96 / 3.15 (I-RGS) | 6000* |
| NELLA/I-RGS 17.55 DME/RADAR | WOVEN/I-RGS 14.40 DME/RADAR | 182.96 / 3.15 (I-RGS) | 5000* |
| WOVEN/I-RGS 14.40 DME/RADAR (IF) | EMERS/I-RGS 11.25 DME/RADAR | 182.96 / 3.15 (I-RGS) | 4000* |
| EMERS/I-RGS 11.25 DME/RADAR | JHUNT/I-RGS 8.10 DME/RADAR | 182.96 / 3.15 (I-RGS) | 3000 |

**MISSED APPROACH**

ILS: DA
LOC: 6.81 MILES AFTER JHUNT/I-RGS 8.10 DME/RADAR OR AT I-RGS 1.29 DME FIX

CLIMB TO 1200 THEN CLIMBING RIGHT TURN TO 4000 VIA HEADING 230.00 AND CLT R-250 TO STULL INT/CLT 13.00 DME AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 1200 THEN CLIMBING RIGHT TURN TO 4000 VIA HEADING 260.00 AND BZM R-183 TO STULL/BZM 46.22 DME AND HOLD N, RT, 182.98 INBOUND (DME REQUIRED).

ADDITIONAL FLIGHT DATA:
HOLD W, RT, 070.00 INBOUND.
CHART: ALTERNATE MA HOLDING, HOLD N STULL/BZM 46.22 DME, RT, 182.98 INBOUND.
CHART FAS OBST: 783 TREE 351350N/0805758W
CHART 882 TOWER 351604N/0805840W.
CHART LOC RWY 18C/18L.
CHART VDP AT 2.08 DME;
DISTANCE VDP TO THLD 0.79 MILES.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT RUDKY
3. FAC: 182.96 FAF: JHUNT/I-RGS 8.10 DME/RADAR DIST FAF TO MAP: 6.81 THLD: 6.81
4. MIN. ALT: RUDKY 7000*, NELLA 6000*, WOVEN 5000*, EMERS 4000*, JHUNT 3000, CILOV/I-RGS 3.39 DME 1240**
5. DIST TO THLD FROM OM: - MM: - IM: 790 150 HAT: - 100 HAT: 1036 GS ANT: 1080
6. MIN GS INCPT: 3000 GS ALT AT: JHUNT/I-RGS 8.10 DME/RADAR 3000 OM: - MM: - IM: 831
7. GS ANGLE: 3.00 TCH: 45.7
8. MSA FROM: CLT VOR/DME 3800

MAG VAR: 7W EPOCH YEAR: 2000

**MINIMUMS**

TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | ILS: STANDARD | LOC: STANDARD

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| S-ILS 18R | 944 | 1800 | 200 | 944 | 1800 | 200 | 944 | 1800 | 200 | 944 | 1800 | 200 | | | |
| S-LOC 18R | 1240 | 2400 | 496 | 1240 | 2400 | 496 | 1240 | 4000 | 496 | 1240 | 5000 | 496 | | | |
| CIRCLING | 1240 | 1 | 492 | 1240 | 1 | 492 | 1260 | 1 1/2 | 512 | 1300 | 2 | 552 | | | |
| **CILOV FIX MINIMUMS** | | | | | | | | | | | | | | | |
| S-LOC 18R | 1040 | 2400 | 296 | 1040 | 2400 | 296 | 1040 | 2400 | 296 | 1040 | 4000 | 296 | | | |
| CIRCLING | 1240 | 1 | 492 | 1240 | 1 | 492 | 1260 | 1 1/2 | 512 | 1300 | 2 | 552 | | | |

NOTES:
CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 18R: CAT A, B, C, D, RA 106, RVR 1200, DA 844 MSL, HAT 100.
CATEGORY III ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 18R: CAT IIIA RVR 700; CAT A, B, C, D. CAT IIIB RVR 600; CAT A, B, C, D. CAT IIIC N/A.
SEE 8260-10

| CITY AND STATE | ELEVATION: 748 TDZE: 744 | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| CHARLOTTE, NC | AIRPORT NAME: CHARLOTTE/DOUGLAS INTL | I-RGS | ILS OR LOC RWY 18R, ORIG<br>ILS RWY 18R (CAT II), ILS RWY 18R (CAT III)<br>11 FEB 2010 | AMDT: NONE<br>DATED |

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

**ILS - STANDARD**
**INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**NOTES CONT.**
**CHART NOTE: CIRCLING NA AT NIGHT.**
**CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 18L/C.**
**CHART NOTE: DME OR RADAR REQUIRED.**
**CHART PLANVIEW NOTE: RADAR REQUIRED.**
**CHART NOTE: LOC PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.**
**CHART PROFILE NOTE: *WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT 4000 OR 5000 OR 6000 OR 7000.**
**CHART PLANVIEW NOTE: *WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT 4000 OR 5000 OR 6000 OR 7000.**
**CHART NOTE: CILOV FIX MINIMUMS: FOR INOPERATIVE ALSF, INCREASE S-LOC 18R CAT D VISIBILITY TO RVR 5000.**
****LOC ONLY.**

| CITY AND STATE | | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| **CHARLOTTE, NC** | **ELEVATION: 748 TDZE: 744**<br>AIRPORT NAME: **CHARLOTTE/DOUGLAS INTL** | **I-RGS** | **ILS OR LOC RWY 18R, ORIG**<br>**ILS RWY 18R (CAT II), ILS RWY 18R (CAT III)**<br>11 FEB 2010 | AMDT: **NONE**<br>DATED: |

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# ILS - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| JEPHS/I-APU 18.92 DME/RADAR (IF) | ATELL INT/I-APU 11.46 DME/RADAR | 235.48 / 7.46 (I-APU) | 4000 |
| ATELL INT/I-APU 11.46 DME/RADAR | LECAR/I-APU 6.71 DME/RADAR | 235.48 / 4.75 (I-APU) | 2500 |

## MISSED APPROACH

ILS: DA
LOC: 5.25 MILES AFTER LECAR/I-APU 6.71 DME/RADAR OR AT I-APU 1.46 DME FIX

CLIMB TO 4000 VIA HEADING 235.48 AND CLT R-238 TO KECKS INT/CLT 10.62 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000; OR WHEN DIRECTED BY ATC, CLIMB TO 4000 VIA HEADING 235.48 AND BZM R-179 TO KECKS/BZM 47.45 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000, HOLD N, RT, 179.01 INBOUND (DME REQUIRED).

ADDITIONAL FLIGHT DATA:
HOLD SW, RT, 057.67 INBOUND.
CHART: ALTERNATE MA HOLDING, HOLD N KECKS/BZM 47.45 DME, RT, 179.01 INBOUND.
CHART FAS OBST: 899 TREE 351428N/0805356W
CHART 1085 TOWER 351609N/0805256W.
CHART VDP AT 2.59 DME;
DISTANCE VDP TO THLD 1.13 MILES.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT JEPHS
3. FAC: 235.48 FAF: LECAR/I-APU 6.71 DME/RADAR DIST FAF TO MAP: 5.25 THLD: 5.25
4. MIN. ALT: JEPHS 6000, ATELL 4000, LECAR 2500, DOVSE/I-APU 3.36 DME 1400*
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1115
6. MIN GS INCPT: 2500 GS ALT AT: LECAR/I-APU 6.71 DME/RADAR 2500 OM: - MM: - IM: -
7. GS ANGLE: 3.00 TCH: 58.2
8. MSA FROM: CLT VOR/DME 3800

MAG VAR: 7W EPOCH YEAR: 2000

## MINIMUMS

TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | | ILS: # | LOC: STANDARD

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| S-ILS 23 | 947 | 4000 | 200 | 947 | 4000 | 200 | 947 | 4000 | 200 | 947 | 4000 | 200 | | | |
| S-LOC 23 | 1400 | 5000 | 653 | 1400 | 5000 | 653 | 1400 | 1 3/4 | 653 | 1400 | 2 | 653 | | | |
| CIRCLING | 1400 | 1 | 652 | 1400 | 1 | 652 | 1400 | 1 3/4 | 652 | 1400 | 2 | 652 | | | |
| **DOVSE FIX MINIMUMS** | | | | | | | | | | | | | | | |
| S-LOC 23 | 1160 | 5000 | 413 | 1160 | 5000 | 413 | 1160 | 6000 | 413 | 1160 | 6000 | 413 | | | |
| CIRCLING | 1240 | 1 | 492 | 1240 | 1 | 492 | 1260 | 1 1/2 | 512 | 1300 | 2 | 552 | | | |
| | | | | | | | | | | | | | | | |

NOTES:
CHART NOTE: CIRCLING NA AT NIGHT.
CHART NOTE: DME OR RADAR REQUIRED.
CHART PLANVIEW NOTE: RADAR REQUIRED.
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.
*LOC ONLY

# CAT A, B, C, D 700-2

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 748 TDZE: 747 | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| CHARLOTTE, NC | AIRPORT NAME: CHARLOTTE/DOUGLAS INTL | I-APU | ILS OR LOC RWY 23, AMDT 3 | AMDT: 2 |
| | | | 11 FEB 2010 | DATED 06/05/2008 |

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# ILS - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.29

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## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| SOLMN/CLT 22.17 DME/RADAR (IAF) | KRISL/CLT 19.02 DME/RADAR | 002.96 / 3.15 (I-DQG) | 7000* |
| KRISL/CLT 19.02 DME/RADAR | HUNEX/CLT 15.87 DME/RADAR | 002.96 / 3.15 (I-DQG) | 6000* |
| HUNEX/CLT 15.87 DME/RADAR | FORET INT/CLT 12.72 DME/RADAR | 002.96 / 3.15 (I-DQG) | 5000* |
| FORET INT/CLT 12.72 DME/RADAR | MARJO/CLT 9.57 DME/RADAR | 002.96 / 3.15 (I-DQG) | 4000* |
| MARJO/CLT 9.57 DME/RADAR (IF) | NIVSE/CLT 6.42 DME/RADAR | 002.96 / 3.15 (I-DQG) | 3000* |
| NIVSE/CLT 6.42 DME/RADAR | GLASI/CLT 4.84 DME/RADAR | 002.96 / 1.58 (I-DQG) | 2500 |

## MISSED APPROACH

ILS: DA
LOC: 5.42 MILES AFTER GLASI/CLT 4.82 DME/RADAR

CLIMB TO 3000 VIA CLT R-001 TO TOMME/CLT 15.31 DME AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 3000 VIA HEADING 002.96 AND BZM R-159 TO TOMME/BZM 28.57 DME AND HOLD N, LT, 158.56 INBOUND (DME REQUIRED).

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 181.29 INBOUND.
CHART: ALTERNATE MA HOLDING, HOLD N TOMME/BZM 28.57 DME, LT, 158.56 INBOUND.
CHART FAS OBST: 870 TOWER 350932N/0805700W
CHART 962 MONUMENT 350614N/0805627W.
CHART LOC RWY 36R/36L.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT SOLMN
3. FAC: 002.96 FAF: GLASI/CLT 4.84 DME/RADAR DIST FAF TO MAP: 5.42 THLD: 5.42
4. MIN. ALT: SOLMN 8000*, KRISL 7000*, HUNEX 6000*, FORET 5000*, MARJO 4000*, NIVSE 3000*, GLASI 2500
5. DIST TO THLD FROM OM: - MM: - IM: 1139 150 HAT: - 100 HAT: 1101 GS ANT: 960
6. MIN GS INCPT: 2500 GS ALT AT: GLASI/CLT 4.84 DME/RADAR 2500 OM: - MM: - IM: 809
7. GS ANGLE: 3.00 TCH: 57.1
8. MSA FROM: CLT VOR/DME 3800

MAG VAR: 7W EPOCH YEAR: 2000

## MINIMUMS

TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | | ILS: STANDARD | LOC: STANDARD

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| S-ILS 36C | 907 | 1800 | 200 | 907 | 1800 | 200 | 907 | 1800 | 200 | 907 | 1800 | 200 | | | |
| S-LOC 36C | 1120 | 2400 | 413 | 1120 | 2400 | 413 | 1120 | 4000 | 413 | 1120 | 4000 | 413 | | | |
| CIRCLING | 1240 | 1 | 492 | 1240 | 1 | 492 | 1260 | 1 1/2 | 512 | 1300 | 2 | 552 | | | |

NOTES:
CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 36C: CAT A, B, C, D, RA 126, RVR 1200, DA 807 MSL, HAT 100.
CATEGORY III ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 36C: CAT IIIA RVR 700; CAT A, B, C, D. CAT IIIB RVR 600; CAT A, B, C, D. CAT IIIC N/A.
SEE 8260-10

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 748 TDZE: 707 | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| CHARLOTTE, NC | AIRPORT NAME: CHARLOTTE/DOUGLAS INTL | I-DQG | ILS OR LOC RWY 36C, AMDT 16<br>ILS RWY 36C (CAT II), ILS RWY 36C (CAT III)<br>11 FEB 2010 | AMDT: 15D<br>DATED 02/12/2009 |

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

**ILS - STANDARD**
**INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**NOTES CONT.**
**CHART NOTE: CIRCLING NA AT NIGHT.**
**CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 36L/R.**
**CHART NOTE: DME OR RADAR REQUIRED.**
**CHART PLANVIEW NOTE: RADAR REQUIRED**
**CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.**
**CHART NOTE: LOC PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.**
**CHART NOTE: DQG ILS LLZ RWY 36C UNUSABLE FOR ROLLOUT GUIDANCE.**
**CHART PLANVIEW NOTE: *WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT 3000 OR 4000 OR 5000 OR 6000 OR 7000 OR 8000.**
**CHART PROFILE NOTE: *WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT 3000 OR 4000 OR 5000 OR 6000 OR 7000 OR 8000.**

QUALITY 4 CHECKED

| CITY AND STATE | | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| **CHARLOTTE, NC** | **ELEVATION: 748 TDZE: 707**<br>AIRPORT NAME:<br>**CHARLOTTE/DOUGLAS INTL** | **I-DQG** | **ILS OR LOC RWY 36C, AMDT 16**<br>**ILS RWY 36C (CAT II), ILS RWY 36C (CAT III)**<br>11 FEB 2010 | AMDT: **15D**<br>DATED: **02/12/2009** |

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# ILS - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| WELET/I-XUU 20.77 DME/RADAR (IAF) | NUXXY/I-XUU 17.62 DME/RADAR | 002.96 / 3.15 (I-XUU) | 6000* |
| NUXXY/I-XUU 17.62 DME/RADAR | LONIA/I-XUU 14.47 DME/RADAR | 002.96 / 3.15 (I-XUU) | 5000* |
| LONIA/I-XUU 14.47 DME/RADAR | CUNUK/I-XUU 11.32 DME/RADAR | 002.96 / 3.15 (I-XUU) | 4000* |
| CUNUK/I-XUU 11.32 DME/RADAR (IF) | DEFOX/I-XUU 8.17 DME/RADAR | 002.96 / 3.15 (I-XUU) | 3000* |
| DEFOX/I-XUU 8.17 DME/RADAR | NLSON/I-XUU 6.59 DME/RADAR | 002.96 / 1.58 (I-XUU) | 2500 |

## MISSED APPROACH

ILS: DA
LOC: 5.29 MILES AFTER NLSON/I-XUU 6.59 DME/RADAR OR AT I-XUU 1.30 DME FIX

CLIMB TO 1200 THEN CLIMBING LEFT TURN TO 4000 VIA HEADING 280.00 AND CLT R-310 TO BUDKE INT/CLT 16.00 DME AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 1200 THEN CLIMBING LEFT TURN TO 4000 VIA HEADING 300.00 AND BZM R-184 TO BUDKE/BZM 31.51 DME AND HOLD N, RT, 184.06 INBOUND (DME REQUIRED).

ADDITIONAL FLIGHT DATA:
HOLD NW, RT, 130.00 INBOUND.
CHART: ALTERNATE MA HOLDING, HOLD N BUDKE/BZM 31.51 DME, RT, 184.06 INBOUND.
CHART FAS OBST: 870 TOWER 351011N/0805757W
CHART LOC RWY 36C/36R.
CHART VDP AT 2.51 DME;
DISTANCE VDP TO THLD 1.21 MILES.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT WELET
3. FAC: 002.96 FAF: NLSON/I-XUU 6.59 DME/RADAR DIST FAF TO MAP: 5.29 THLD: 5.29
4. MIN. ALT: WELET 7000*, NUXXY 6000*, LONIA 5000*, CUNUK 4000*, DEFOX 3000*, NLSON 2500
5. DIST TO THLD FROM OM: - MM: - IM: 790 150 HAT: - 100 HAT: 1023 GS ANT: 1120
6. MIN GS INCPT: 2500 GS ALT AT: NLSON/I-XUU 6.59 DME/RADAR 2500 OM: - MM: - IM: 832
7. GS ANGLE: 3.00 TCH: 46.4
8. MSA FROM: CLT VOR/DME 3800

MAG VAR: 7W EPOCH YEAR: 2000

## MINIMUMS

TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | | ILS: STANDARD | LOC: STANDARD

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| S-ILS 36L | 944 | 1800 | 200 | 944 | 1800 | 200 | 944 | 1800 | 200 | 944 | 1800 | 200 | | | |
| S-LOC 36L | 1180 | 2400 | 436 | 1180 | 2400 | 436 | 1180 | 4000 | 436 | 1180 | 5000 | 436 | | | |
| CIRCLING | 1240 | 1 | 492 | 1240 | 1 | 492 | 1260 | 1 1/2 | 512 | 1300 | 2 | 552 | | | |

NOTES:
CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 36L: CAT A, B, C, D, RA 106, RVR 1200, DA 844 MSL, HAT 100.
CATEGORY III ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 36L: CAT IIIA RVR 700; CAT A, B, C, D. CAT IIIB RVR 600; CAT A, B, C, D. CAT IIIC N/A.
SEE 8260-10

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 748 TDZE: 744 | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| CHARLOTTE, NC | AIRPORT NAME: CHARLOTTE/DOUGLAS INTL | I-XUU | ILS OR LOC RWY 36L, ORIG<br>ILS RWY 36L (CAT II), ILS RWY 36L (CAT III)<br>11 FEB 2010 | AMDT: NONE<br>DATED |

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

**ILS - STANDARD**
**INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are *minimum* altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**NOTES CONT.**
**CHART NOTE: CIRCLING NA AT NIGHT.**
**CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 36C/R.**
**CHART NOTE: DME OR RADAR REQUIRED.**
**CHART PLANVIEW NOTE: RADAR REQUIRED.**
**CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.**
**CHART NOTE: LOC PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.**
**CHART PLANVIEW NOTE: *WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT 3000 OR 4000 OR 5000 OR 6000 OR 7000.**
**CHART PROFILE NOTE: *WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT 3000 OR 4000 OR 5000 OR 6000 OR 7000.**

QUALITY 4 CHECKED

| CITY AND STATE | | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | |
|---|---|---|---|---|
| **CHARLOTTE, NC** | **ELEVATION: 748 TDZE: 744**<br>AIRPORT NAME:<br>**CHARLOTTE/DOUGLAS INTL** | **I-XUU** | **ILS OR LOC RWY 36L, ORIG**<br>**ILS RWY 36L (CAT II), ILS RWY 36L (CAT III)**<br>11 FEB 2010 | SUP:<br>AMDT: **NONE**<br>DATED: |

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# ILS - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| HEKAM/I-BQC 17.86 DME/RADAR (IAF) | JENDA/I-BQC 14.71 DME/RADAR | 002.97 / 3.15 (I-BQC) | 5000* |
| JENDA/I-BQC 14.71 DME/RADAR | LANSR/I-BQC 11.56 DME/RADAR | 002.97 / 3.15 (I-BQC) | 4000* |
| LANSR/I-BQC 11.56 DME/RADAR (IF) | CIKDU/I-BQC 8.41 DME/RADAR | 002.97 / 3.15 (I-BQC) | 3000* |
| CIKDU/I-BQC 8.41 DME/RADAR | HAYOU/I-BQC 6.83 DME/RADAR | 002.97 / 1.58 (I-BQC) | 2500 |

## MISSED APPROACH

ILS: DA
LOC: 5.32 MILES AFTER HAYOU/I-BQC 6.83 DME/RADAR OR AT I-BQC 1.51 DME FIX

CLIMB TO 1200 THEN CLIMBING RIGHT TURN TO 4000 VIA HEADING 080.00 AND CLT R-050 TO EDDEL/CLT 16.00 DME AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 1200 THEN CLIMBING RIGHT TURN TO 4000 VIA HEADING 080.00 AND GSO R-226 TO EDDEL/GSO 54.04 DME AND HOLD NE, RT, 225.55 INBOUND (DME REQUIRED).

ADDITIONAL FLIGHT DATA:
HOLD NE, RT, 230.00 INBOUND.
CHART: ALTERNATE MA HOLDING, HOLD NE EDDEL/GSO 54.04 DME, RT, 225.55 INBOUND.
CHART FAS OBST: 819 TREE 351104N/0805551W
CHART 962 MONUMENT 350614N/0805627W.
CHART VDP AT 2.40 DME;
DISTANCE VDP TO THLD 0.89 MILES.
CHART LOC RWY 36L/36C.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT HEKAM
3. FAC: 002.97 FAF: HAYOU/I-BQC 6.83 DME/RADAR DIST FAF TO MAP: 5.32 THLD: 5.32
4. MIN. ALT: HEKAM 6000*, JENDA 5000*, LANSR 4000*, CIKDU 3000*, HAYOU 2500
5. DIST TO THLD FROM OM: - MM: - IM: 935 150 HAT: - 100 HAT: 865 GS ANT: 1042
6. MIN GS INCPT: 2500 GS ALT AT: HAYOU/I-BQC 6.83 DME/RADAR 2500 OM: - MM: - IM: 828
7. GS ANGLE: 3.00 TCH: 58.2
8. MSA FROM: CLT VOR/DME 3800

MAG VAR: 7W EPOCH YEAR: 2000

## MINIMUMS

TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | | ILS: STANDARD | LOC: STANDARD

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| S-ILS 36R | 927 | 1800 | 200 | 927 | 1800 | 200 | 927 | 1800 | 200 | 927 | 1800 | 200 | | | |
| S-LOC 36R | 1080 | 2400 | 353 | 1080 | 2400 | 353 | 1080 | 2400 | 353 | 1080 | 4000 | 353 | | | |
| CIRCLING | 1240 | 1 | 492 | 1240 | 1 | 492 | 1260 | 1 1/2 | 512 | 1300 | 2 | 552 | | | |

NOTES:
CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 36R: CAT A, B, C, D, RA 119, RVR 1200, DA 827 MSL, HAT 100.
CATEGORY III ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 36R: CAT IIIA RVR 700; CAT A, B, C, D. CAT IIIB RVR 600; CAT A, B, C, D. CAT IIIC N/A.
SEE 8260-10

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 748 TDZE: 727 | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| CHARLOTTE, NC | AIRPORT NAME: CHARLOTTE/DOUGLAS INTL | I-BQC | ILS OR LOC RWY 36R, AMDT 11 ILS RWY 36R (CAT II), ILS RWY 36R (CAT III) 11 FEB 2010 | AMDT: 10A DATED 11/20/2008 |

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

**ILS - STANDARD**
**INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**NOTES CONT.**
**CHART NOTE: CIRCLING NA AT NIGHT.**
**CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 36L/C.**
**CHART NOTE: DME OR RADAR REQUIRED.**
**CHART PLANVIEW NOTE: RADAR REQUIRED.**
**CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.**
**CHART NOTE: LOC PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.**
**CHART PROFILE NOTE: *WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT 3000 OR 4000 OR 5000 OR 6000.**
**CHART PLANVIEW NOTE: *WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT 3000 OR 4000 OR 5000 OR 6000.**

QUALITY CHECKED

| CITY AND STATE | | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | |
|---|---|---|---|---|
| **CHARLOTTE, NC** | **ELEVATION: 748 TDZE: 727**<br>AIRPORT NAME:<br>**CHARLOTTE/DOUGLAS INTL** | **I-BQC** | **ILS OR LOC RWY 36R, AMDT 11**<br>**ILS RWY 36R (CAT II), ILS RWY 36R (CAT III)**<br>11 FEB 2010 | SUP:<br>AMDT: **10A**<br>DATED: **11/20/2008** |

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| KECKS (IF) | ERKAW (FB) | 055.37 / 6.01 | 2500 |

## MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW05

CLIMB TO 4000 DIRECT ATELL AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000.

ADDITIONAL FLIGHT DATA:
HOLD NE, RT, 235.57 INBOUND.
CHART FAS OBST: 888 TOWER 351203N/0805831W
DISTANCE TO THLD FROM 200 HAT: 0.50 NM.
CHART VDP AT 1.33 MILES TO RW05* *LNAV ONLY.
WAAS CHANNEL # 70300
REFERENCE PATH ID: W05A

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT KECKS
3. FAC: 055.42 FAF: ERKAW DIST FAF TO MAP: 5.39 THLD: 5.39
4. MIN. ALT: KECKS 4000, ERKAW 2500
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2500 GS ALT AT: ERKAW 2500 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 51.2 34:1 IS CLEAR
8. MSA FROM: RW05 3800

MAG VAR: 7W EPOCH YEAR: 2000

## MINIMUMS

TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | | STANDARD

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| LPV DA | 916 | 2400 | 200 | 916 | 2400 | 200 | 916 | 2400 | 200 | 916 | 2400 | 200 | | | |
| LNAV/VNAV DA | 1180 | 6000 | 464 | 1180 | 6000 | 464 | 1180 | 6000 | 464 | 1180 | 6000 | 464 | | | |
| LNAV MDA | 1140 | 2400 | 424 | 1140 | 2400 | 424 | 1140 | 4000 | 424 | 1140 | 5000 | 424 | | | |
| | | | | | | | | | | | | | | | |
| CIRCLING | 1240 | 1 | 492 | 1240 | 1 | 492 | 1260 | 1 1/2 | 512 | 1300 | 2 | 552 | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

NOTES:
CHART NOTE: CIRCLING NA AT NIGHT.
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV CAT D VISIBILITY TO RVR 6000.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F).
CHART NOTE: DME/DME RNP-0.3 NA.
SEE 8260-10

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 748 TDZE: 716 | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP: RNAV (GPS) RWY 5 |
|---|---|---|---|---|
| CHARLOTTE, NC | AIRPORT NAME: CHARLOTTE/DOUGLAS INTL | RNAV | RNAV (GPS) Y RWY 5, AMDT 3 11 FEB 2010 | AMDT: 2 |
| | | | | DATED 05/10/2007 |

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) - STANDARD**
**INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**NOTES CONT.**
**CHART PLANVIEW NOTE: RADAR REQUIRED.**
**CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.**

QUALITY CHECK

| CITY AND STATE | | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | |
|---|---|---|---|---|
| **CHARLOTTE, NC** | **ELEVATION: 748 TDZE: 716**<br>AIRPORT NAME:<br>**CHARLOTTE/DOUGLAS INTL** | **RNAV** | **RNAV (GPS) Y RWY 5, AMDT 3**<br>11 FEB 2010 | SUP: **RNAV (GPS) RWY 5**<br>AMDT: **2**<br>DATED: **05/10/2007** |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## FAS DATA BLOCK INFORMATION

| DATA FIELD | DATA |
|---|---|
| OPERATION TYPE | 0 |
| SBAS SERVICE PROVIDER IDENTIFIER | 0 |
| AIRPORT IDENTIFIER | KCLT |
| RUNWAY | RW05 |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | Y |
| REFERENCE PATH DATA SELECTOR | 0 |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | W05A |
| LTP/FTP LATITUDE | 351232.2290N |
| LTP/FTP LONGITUDE | 0805659.8050W |
| LTP/FTP ELLIPSOIDAL HEIGHT | +01846 |
| FPAP LATITUDE | 351321.4200N |
| FPAP LONGITUDE | 0805552.1200W |
| THRESHOLD CROSSING HEIGHT (TCH) | 00051.2 |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F |
| GLIDEPATH ANGLE (GPA) | 03.00 |
| COURSE WIDTH AT THRESHOLD | 107.25 |
| LENGTH OFFSET | 0000 |
| HORIZONTAL ALERT LIMIT (HAL) | 40.0 |
| VERTICAL ALERT LIMIT (VAL) | 35.0 |
| CRC REMAINDER | CD5FE738 |

## ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|---|---|
| ICAO CODE | K7 |
| LTP ORTHOMETRIC HEIGHT | +02152 |
| FPAP ORTHOMETRIC HEIGHT | +02152 |

QUALITY A CHECK

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**ARINC PACKET - 424-18 - RNAV (GPS)**

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ATELL K70    C     N35195943W080464306                                  NAR          ATELL
        SUSAEAENRT   ERKAW K70    W     N35085728W081015516                                  NAR          ERKAW
        SUSAEAENRT   KECKS K70    C     N35045756W081072373                                  NAR          KECKS

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLTK7ACLT     0     100YHN35124980W080565460W007000748         1800018000C    MNAR    CHARLOTTE/DOUGLAS INTL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLTK7FR05-Y R      010KECKSK7EA0E  I    IF                                  + 04000     18000                A JS
        SUSAP KCLTK7FR05-Y R      020ERKAWK7EA1E  F 051TF                       05540060    + 02500                RW05  K7PGA JS
        SUSAP KCLTK7FR05-Y R      020ERKAWK7EA2WALPV       ALNAV/VNAV ALNAV                                                  JS
        SUSAP KCLTK7FR05-Y R      030RW05 K7PG0GY M 031TF                       05540054      00757             -300          A JS
        SUSAP KCLTK7FR05-Y R      040         0  M  010CA                       0554        + 00916                          A JS
        SUSAP KCLTK7FR05-Y R      050ATELLK7EA0EY   010DF                                   + 04000                          A JS
        SUSAP KCLTK7FR05-Y R      060ATELLK7EA0EE  R020HM                       23560040    + 04000                          A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLTK7GRW05     0075020555 N35123223W080565981+0500     +0184600706000051150I

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLTK7PR05-Y RW05  001Y0000W05A0N3512322290W08056598050+018460300N3513214200W0805552120010725000000512F400350CD5FE738
        SUSAP KCLTK7PR05-Y RW05  002E       +02152+02152LPV       70300

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLTK7SRW05 K7PG                0    18018003825                                                                  M
```

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 748 TDZE: 716 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: RNAV (GPS) RWY 5 |
|---|---|---|---|---|
| CHARLOTTE, NC | AIRPORT NAME: CHARLOTTE/DOUGLAS INTL | RNAV | RNAV (GPS) Y RWY 5, AMDT 3<br>11 FEB 2010 | AMDT: 2<br>DATED: 05/10/2007 |

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| JEDKO (IAF) | LERDY (FB) | 182.94 / 3.15 | 7000 |
| LERDY | FERSA (FB) | 182.94 / 3.15 | 6000 |
| FERSA | TOMME (FB) | 182.95 / 3.15 | 5000 |
| TOMME (IF) | HAGUL (FB) | 182.95 / 3.15 | 4000 |
| HAGUL | OZEJI (FB) | 182.95 / 3.15 | 3000 |

## MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW18C

CLIMB TO 3000 DIRECT FORET AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 002.97 INBOUND.
CHART FAS OBST: 905 ANT 351421N/0805646W
CHART FAS OBST: 910 ATCT 351324N/0805639W
DISTANCE TO THLD FROM 200 HAT: 0.45 NM.
CHART VDP AT 1.20 MILES TO RW18C* *LNAV ONLY.
WAAS CHANNEL # 81800
REFERENCE PATH ID: W18B

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT JEDKO
3. FAC: 182.95 FAF: OZEJI DIST FAF TO MAP: 6.79 THLD: 6.79
4. MIN. ALT: JEDKO 8000, LERDY 7000, FERSA 6000, TOMME 5000, HAGUL 4000, OZEJI 3000
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 3000 GS ALT AT: OZEJI 3000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 55.3 34:1 IS CLEAR
8. MSA FROM: RW18C 3800

MAG VAR: 7W EPOCH YEAR: 2000

## MINIMUMS

TAKEOFF: ____ STANDARD X SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A ____ STANDARD

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| LPV DA | 942 | 2400 | 200 | 942 | 2400 | 200 | 942 | 2400 | 200 | 942 | 2400 | 200 | | | |
| LNAV/VNAV DA | 1192 | 5000 | 450 | 1192 | 5000 | 450 | 1192 | 5000 | 450 | 1192 | 5000 | 450 | | | |
| LNAV MDA | 1200 | 2400 | 458 | 1200 | 2400 | 458 | 1200 | 4000 | 458 | 1200 | 5000 | 458 | | | |
| CIRCLING | 1240 | 1 | 492 | 1240 | 1 | 492 | 1260 | 1 1/2 | 512 | 1300 | 2 | 552 | | | |

NOTES:
CHART NOTE: CIRCLING NA AT NIGHT.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: RADAR REQUIRED.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

QUALITY 4 CHECKED

| CITY AND STATE | ELEVATION: 748 TDZE: 742 | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP: RNAV (GPS) RWY 18C |
|---|---|---|---|---|
| CHARLOTTE, NC | AIRPORT NAME: CHARLOTTE/DOUGLAS INTL | RNAV | RNAV (GPS) Y RWY 18C, AMDT 3 11 FEB 2010 | AMDT: 2B |
| | | | | DATED 02/12/2009 |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## FAS DATA BLOCK INFORMATION

| DATA FIELD | DATA |
|---|---|
| OPERATION TYPE | 0 |
| SBAS SERVICE PROVIDER IDENTIFIER | 0 |
| AIRPORT IDENTIFIER | KCLT |
| RUNWAY | RW18C |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | Y |
| REFERENCE PATH DATA SELECTOR | 0 |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | W18B |
| LTP/FTP LATITUDE | 351338.6295N |
| LTP/FTP LONGITUDE | 0805711.4105W |
| LTP/FTP ELLIPSOIDAL HEIGHT | +01956 |
| FPAP LATITUDE | 351159.9700N |
| FPAP LONGITUDE | 0805702.9200W |
| THRESHOLD CROSSING HEIGHT (TCH) | 00055.3 |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F |
| GLIDEPATH ANGLE (GPA) | 03.00 |
| COURSE WIDTH AT THRESHOLD | 110.50 |
| LENGTH OFFSET | 0000 |
| HORIZONTAL ALERT LIMIT (HAL) | 40.0 |
| VERTICAL ALERT LIMIT (VAL) | 35.0 |
| CRC REMAINDER | 7D7EDF34 |

## ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|---|---|
| ICAO CODE | K7 |
| LTP ORTHOMETRIC HEIGHT | +02261 |
| FPAP ORTHOMETRIC HEIGHT | +02261 |

QUALITY 4 CHECK

| CITY AND STATE | | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | |
|---|---|---|---|---|
| CHARLOTTE, NC | ELEVATION: 748 TDZE: 742<br>AIRPORT NAME: CHARLOTTE/DOUGLAS INTL | RNAV | RNAV (GPS) Y RWY 18C, AMDT 3<br>11 FEB 2010 | SUP: RNAV (GPS) RWY 18C<br>AMDT: 2B<br>DATED: 02/12/2009 |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**ARINC PACKET - 424-18 - RNAV (GPS)**

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   FERSA K70    C     N35295211W080583548                              NAR          FERSA
        SUSAEAENRT   FORET K70    C     N34584267W080555450                              NAR          FORET
        SUSAEAENRT   HAGUL K70    C     N35233448W080580280                              NAR          HAGUL
        SUSAEAENRT   JEDKO K70    C     N35360974W080590825                              NAR          JEDKO
        SUSAEAENRT   LERDY K70    C     N35330093W080585186                              NAR          LERDY
        SUSAEAENRT   OZEJI K70    C     N35202559W080574649                              NAR          OZEJI
        SUSAEAENRT   TOMME K70    C     N35264330W080581913                              NAR          TOMME

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLTK7ACLT     0     100YHN35124980W080565460W007000748        1800018000C    MNAR    CHARLOTTE/DOUGLAS INTL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLTK7FR18CY AJEDKO 010JEDKOK7EA0E  A    IF                          + 08000     18000                A JS
        SUSAP KCLTK7FR18CY AJEDKO 020LERDYK7EA0E    010TF                 18290032    + 07000                          A JS
        SUSAP KCLTK7FR18CY AJEDKO 030FERSAK7EA0E    010TF                 18290032    + 06000                          A JS
        SUSAP KCLTK7FR18CY AJEDKO 040TOMMEK7EA0EE B 010TF                 18300032    + 05000                          A JS
        SUSAP KCLTK7FR18CY R      010TOMMEK7EA0E  I    IF                           + 05000     18000                A JS
        SUSAP KCLTK7FR18CY R      011HAGULK7EA0E S  051TF                 18300032    + 04000                          A JS
        SUSAP KCLTK7FR18CY R      020OZEJIK7EA1E  F 051TF                 18300032    + 03000              RW18C K7PGA JS
        SUSAP KCLTK7FR18CY R      020OZEJIK7EA2WALPV       ALNAV/VNAV ALNAV                                            JS
        SUSAP KCLTK7FR18CY R      030RW18CK7PG0GY M 031TF                 18300068     00797          -300             A JS
        SUSAP KCLTK7FR18CY R      040          0  M  010CA                 1830      + 00942                          A JS
        SUSAP KCLTK7FR18CY R      050FORETK7EA0EY    010DF                           + 03000                          A JS
        SUSAP KCLTK7FR18CY R      060FORETK7EA0EE  R020HM                 00300040    + 03000                          A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLTK7GRW18C   0100001830 N35133863W080571141-0500    +01956007420000551501
```

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 748 TDZE: 742 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: RNAV (GPS) RWY 18C |
|---|---|---|---|---|
| CHARLOTTE, NC | AIRPORT NAME: CHARLOTTE/DOUGLAS INTL | RNAV | RNAV (GPS) Y RWY 18C, AMDT 3 11 FEB 2010 | AMDT: 2B |
| | | | | DATED: 02/12/2009 |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLTK7PR18CY RW18C001Y0000W18B0N3513386295W08057114105+019560300N3511599700W080570292001105000000000553F4003507D7EDF34
        SUSAP KCLTK7PR18CY RW18C002E      +02261+02261LPV       81800

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLTK7SRW18CK7PG                0   18018003825                                                                    M
```

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 748 TDZE: 742 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: RNAV (GPS) RWY 18C |
|---|---|---|---|---|
| CHARLOTTE, NC | AIRPORT NAME: CHARLOTTE/DOUGLAS INTL | RNAV | RNAV (GPS) Y RWY 18C, AMDT 3<br>11 FEB 2010 | AMDT: 2B<br>DATED: 02/12/2009 |

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| CAVVI (IAF) | SNAKK (FB) | 182.96 / 3.15 | 5000 |
| SNAKK (IF) | GILGE (FB) | 182.96 / 3.15 | 4000 |
| GILGE | QUWED (FB) | 182.96 / 3.15 | 3000 |

## MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW18L

CLIMB TO 3000 DIRECT JENDA AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 002.98 INBOUND.
CHART FAS OBST: 930 TOWER 351418N/0805532W
CHART FAS OBST: 958 TOWER 351646N/0805559W
DISTANCE TO THLD FROM 335 HAT: 0.88 NM.
CHART VDP AT 1.58 MILES TO RW18L* *LNAV ONLY.
WAAS CHANNEL # 77500
REFERENCE PATH ID: W18A

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT CAVVI
3. FAC: 182.96 FAF: QUWED DIST FAF TO MAP: 6.78 THLD: 6.78
4. MIN. ALT: CAVVI 6000, SNAKK 5000, GILGE 4000, QUWED 3000
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 3000 GS ALT AT: QUWED 3000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 55.7 34:1 IS NOT CLEAR
8. MSA FROM: RW18L 3800

MAG VAR: 7W EPOCH YEAR: 2000

## MINIMUMS

TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | | STANDARD

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| LPV DA | 1083 | 6000 | 335 | 1083 | 6000 | 335 | 1083 | 6000 | 335 | 1083 | 6000 | 335 | | | |
| LNAV/VNAV DA | 1222 | 1 3/4 | 474 | 1222 | 1 3/4 | 474 | 1222 | 1 3/4 | 474 | 1222 | 1 3/4 | 474 | | | |
| LNAV MDA | 1260 | 5000 | 512 | 1260 | 5000 | 512 | 1260 | 1 1/2 | 512 | 1260 | 1 3/4 | 512 | | | |
| | | | | | | | | | | | | | | | |
| CIRCLING | 1260 | 1 | 512 | 1260 | 1 | 512 | 1260 | 1 1/2 | 512 | 1300 | 2 | 552 | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

NOTES:
CHART NOTE: CIRCLING NA AT NIGHT.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
SEE 8260-10

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 748 TDZE: 748 | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP: RNAV (GPS) RWY 18L |
|---|---|---|---|---|
| CHARLOTTE, NC | AIRPORT NAME: CHARLOTTE/DOUGLAS INTL | RNAV | RNAV (GPS) Y RWY 18L, AMDT 3 11 FEB 2010 | AMDT: 2 DATED 06/10/2004 |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**NOTES CONT.**
**CHART PLANVIEW NOTE: RADAR REQUIRED.**
**CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.**

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 748 TDZE: 748 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: RNAV (GPS) RWY 18L |
|---|---|---|---|---|
| CHARLOTTE, NC | AIRPORT NAME: CHARLOTTE/DOUGLAS INTL | RNAV | RNAV (GPS) Y RWY 18L, AMDT 3 11 FEB 2010 | AMDT: 2 |
| | | | | DATED: 06/10/2004 |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## FAS DATA BLOCK INFORMATION

| DATA FIELD | DATA |
|---|---|
| OPERATION TYPE | 0 |
| SBAS SERVICE PROVIDER IDENTIFIER | 0 |
| AIRPORT IDENTIFIER | KCLT |
| RUNWAY | RW18L |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | Y |
| REFERENCE PATH DATA SELECTOR | 0 |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | W18A |
| LTP/FTP LATITUDE | 351329.0425N |
| LTP/FTP LONGITUDE | 0805610.1665W |
| LTP/FTP ELLIPSOIDAL HEIGHT | +01968 |
| FPAP LATITUDE | 351200.4700N |
| FPAP LONGITUDE | 0805602.5700W |
| THRESHOLD CROSSING HEIGHT (TCH) | 00055.7 |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F |
| GLIDEPATH ANGLE (GPA) | 03.00 |
| COURSE WIDTH AT THRESHOLD | 106.75 |
| LENGTH OFFSET | 0096 |
| HORIZONTAL ALERT LIMIT (HAL) | 40.0 |
| VERTICAL ALERT LIMIT (VAL) | 50.0 |
| CRC REMAINDER | 1B1593E5 |

## ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|---|---|
| ICAO CODE | K7 |
| LTP ORTHOMETRIC HEIGHT | +02273 |
| FPAP ORTHOMETRIC HEIGHT | +02273 |

QUALITY CHECKED

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**ARINC PACKET - 424-18 - RNAV (GPS)**

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CAVVI K70    C     N35294194W080573398                                NAR          CAVVI
        SUSAEAENRT   GILGE K70    C     N35232429W080570138                                NAR          GILGE
        SUSAEAENRT   JENDA K70    C     N34585214W080545508                                NAR          JENDA
        SUSAEAENRT   QUWED K70    C     N35201524W080564509                                NAR          QUWED
        SUSAEAENRT   SNAKK K70    C     N35263312W080571767                                NAR          SNAKK

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLTK7ACLT     0     100YHN35124980W080565460W007000748         1800018000C    MNAR    CHARLOTTE/DOUGLAS INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLTK7FR18LY ACAVVI 010CAVVIK7EA0E  A    IF                                + 06000     18000               A JS
        SUSAP KCLTK7FR18LY ACAVVI 020SNAKKK7EA0EE B 010TF                      18300032    + 05000                         A JS
        SUSAP KCLTK7FR18LY R      010SNAKKK7EA0E  I    IF                               + 05000     18000               A JS
        SUSAP KCLTK7FR18LY R      011GILGEK7EA0E S  051TF                      18300032    + 04000                         A JS
        SUSAP KCLTK7FR18LY R      020QUWEDK7EA1E  F 051TF                      18300032    + 03000                 RW18L K7PGA JS
        SUSAP KCLTK7FR18LY R      020QUWEDK7EA2WALPV       ALNAV/VNAV ALNAV                                                  JS
        SUSAP KCLTK7FR18LY R      030RW18LK7PG0GY M 031TF                      18300068     00802          -300            A JS
        SUSAP KCLTK7FR18LY R      040         0  M  010CA                      1830        + 01083                         A JS
        SUSAP KCLTK7FR18LY R      050JENDAK7EA0EY   010DF                                  + 03000                         A JS
        SUSAP KCLTK7FR18LY R      060JENDAK7EA0EE  R020HM                      00300040    + 03000                         A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLTK7GRW18L   0086761830 N35132904W080561017-0300    +0196800746000056150I

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLTK7PR18LY RW18L001Y0000W18A0N3513290425W08056101665+019680300N3512004700W080560257001067500960005 57F4005001B1593E5
        SUSAP KCLTK7PR18LY RW18L002E      +02273+02273LPV       77500
```

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 748 TDZE: 748 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: RNAV (GPS) RWY 18L |
|---|---|---|---|---|
| CHARLOTTE, NC | AIRPORT NAME: CHARLOTTE/DOUGLAS INTL | RNAV | RNAV (GPS) Y RWY 18L, AMDT 3<br>11 FEB 2010 | AMDT: 2<br>DATED: 06/10/2004 |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLTK7SRW18LK7PG                0   18018003825                                                                    M
```

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 748 TDZE: 748 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: RNAV (GPS) RWY 18L |
|---|---|---|---|---|
| CHARLOTTE, NC | AIRPORT NAME: CHARLOTTE/DOUGLAS INTL | RNAV | RNAV (GPS) Y RWY 18L, AMDT 3<br>11 FEB 2010 | AMDT: 2<br>DATED: 06/10/2004 |

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| RUDKY (IAF) | NELLA (FB) | 182.94 / 3.15 | 6000 |
| NELLA | WOVEN (FB) | 182.95 / 3.15 | 5000 |
| WOVEN (IF) | EMERS (FB) | 182.95 / 3.15 | 4000 |
| EMERS | JHUNT (FB) | 182.95 / 3.15 | 3000 |

## MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW18R

CLIMB TO 3000 DIRECT LONIA AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 002.97 INBOUND.
CHART FAS OBST: 853 TREE 351332N/0805746W
CHART FAS OBST: 857 TREE 351322N/0805727W
CHART 882 TOWER 351604N/0805840W.
DISTANCE TO THLD FROM 200 HAT: 0.48 NM.
CHART VDP AT 1.16 MILES TO RW18R* *LNAV ONLY.
WAAS CHANNEL # 82415
REFERENCE PATH ID: W18D

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT RUDKY
3. FAC: 182.95 FAF: JHUNT DIST FAF TO MAP: 6.81 THLD: 6.81
4. MIN. ALT: RUDKY 7000, NELLA 6000, WOVEN 5000, EMERS 4000, JHUNT 3000, UJAHU/2.80 NM TO RW18R 1680*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 3000 GS ALT AT: JHUNT 3000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 45.7 34:1 IS CLEAR
8. MSA FROM: RW18R 3800

MAG VAR: 7W EPOCH YEAR: 2000

## MINIMUMS

TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | | STANDARD

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| LPV DA | 944 | 2400 | 200 | 944 | 2400 | 200 | 944 | 2400 | 200 | 944 | 2400 | 200 | | | |
| LNAV/VNAV DA | 1262 | 6000 | 518 | 1262 | 6000 | 518 | 1262 | 6000 | 518 | 1262 | 6000 | 518 | | | |
| LNAV MDA | 1160 | 2400 | 416 | 1160 | 2400 | 416 | 1160 | 4000 | 416 | 1160 | 5000 | 416 | | | |
| | | | | | | | | | | | | | | | |
| CIRCLING | 1240 | 1 | 492 | 1240 | 1 | 492 | 1260 | 1 1/2 | 512 | 1300 | 2 | 552 | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

NOTES:
CHART NOTE: CIRCLING NA AT NIGHT.
CHART NOTE: FOR INOPERATIVE ALSF, INCREASE LNAV CAT D VISIBILITY TO RVR 6000.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: RADAR REQUIRED

QUAL

| CITY AND STATE | ELEVATION: 748 TDZE: 744 | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| CHARLOTTE, NC | AIRPORT NAME: CHARLOTTE/DOUGLAS INTL | RNAV | RNAV (GPS) Y RWY 18R, ORIG 11 FEB 2010 | AMDT: NONE |
| | | | | DATED |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## FAS DATA BLOCK INFORMATION

| DATA FIELD | DATA |
|---|---|
| OPERATION TYPE | 0 |
| SBAS SERVICE PROVIDER IDENTIFIER | 0 |
| AIRPORT IDENTIFIER | KCLT |
| RUNWAY | RW18R |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | Y |
| REFERENCE PATH DATA SELECTOR | 0 |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | W18D |
| LTP/FTP LATITUDE | 351331.0240N |
| LTP/FTP LONGITUDE | 0805802.7255W |
| LTP/FTP ELLIPSOIDAL HEIGHT | +01961 |
| FPAP LATITUDE | 351201.7300N |
| FPAP LONGITUDE | 0805755.0500W |
| THRESHOLD CROSSING HEIGHT (TCH) | 00045.7 |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F |
| GLIDEPATH ANGLE (GPA) | 03.00 |
| COURSE WIDTH AT THRESHOLD | 106.50 |
| LENGTH OFFSET | 0016 |
| HORIZONTAL ALERT LIMIT (HAL) | 40.0 |
| VERTICAL ALERT LIMIT (VAL) | 35.0 |
| CRC REMAINDER | 49CF957A |

## ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|---|---|
| ICAO CODE | K7 |
| LTP ORTHOMETRIC HEIGHT | +02268 |
| FPAP ORTHOMETRIC HEIGHT | +02268 |

QUALITY 4 CHECK

| CITY AND STATE | ELEVATION: 748 TDZE: 744 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| CHARLOTTE, NC | AIRPORT NAME: CHARLOTTE/DOUGLAS INTL | RNAV | RNAV (GPS) Y RWY 18R, ORIG 11 FEB 2010 | AMDT: NONE |
| | | | | DATED: |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**ARINC PACKET - 424-18 - RNAV (GPS)**

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   EMERS K70    C     N35232807W080585423                              NAR           EMERS
          SUSAEAENRT   JHUNT K70    C     N35201934W080583792                              NAR           JHUNT
          SUSAEAENRT   LONIA K70    C     N34585272W080564733                              NAR           LONIA
          SUSAEAENRT   NELLA K70    C     N35294570W080592691                              NAR           NELLA
          SUSAEAENRT   RUDKY K70    C     N35325452W080594328                              NAR           RUDKY
          SUSAEAENRT   UJAHU K70    W     N35161887W080581719                              NAR           UJAHU
          SUSAEAENRT   WOVEN K70    C     N35263689W080591056                              NAR           WOVEN

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KCLTK7ACLT     0     100YHN35124980W080565460W007000748         1800018000C    MNAR    CHARLOTTE/DOUGLAS INTL

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KCLTK7FR18RY ARUDKY 010RUDKYK7EA0E  A    IF                                + 07000     18000                A JS
          SUSAP KCLTK7FR18RY ARUDKY 020NELLAK7EA0E    010TF                    18290032    + 06000                          A JS
          SUSAP KCLTK7FR18RY ARUDKY 030WOVENK7EA0EE B 010TF                    18300032    + 05000                          A JS
          SUSAP KCLTK7FR18RY R      010WOVENK7EA0E  I    IF                                + 05000     18000                A JS
          SUSAP KCLTK7FR18RY R      011EMERSK7EA0E S  051TF                    18300032    + 04000                          A JS
          SUSAP KCLTK7FR18RY R      020JHUNTK7EA1E  F 051TF                    18300032    + 03000               RW18R K7PGA JS
          SUSAP KCLTK7FR18RY R      020JHUNTK7EA2WALPV       ALNAV/VNAV ALNAV                                                JS
          SUSAP KCLTK7FR18RY R      021UJAHUK7EA0E S  031TF                    18300040    V 0168001689       -300          A JS
          SUSAP KCLTK7FR18RY R      030RW18RK7PG0GY M 031TF                    18300028      00790            -300          A JS
          SUSAP KCLTK7FR18RY R      040         0  M  010CA                    1830        + 00944                          A JS
          SUSAP KCLTK7FR18RY R      050LONIAK7EA0EY   010DF                                + 03000                          A JS
          SUSAP KCLTK7FR18RY R      060LONIAK7EA0EE  R020HM                    00300040    + 03000                          A JS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KCLTK7GRW18R   0090001830 N35133102W080580273+0000    +0196100744000046150I
```

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 748 TDZE: 744 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| CHARLOTTE, NC | AIRPORT NAME: CHARLOTTE/DOUGLAS INTL | RNAV | RNAV (GPS) Y RWY 18R, ORIG<br>11 FEB 2010 | AMDT: NONE<br>DATED: |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
            1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLTK7PR18RY RW18R001Y0000W18D0N3513310240W08058027255+019610300N3512017300W0805755050010650001600457F40035049CF957A
        SUSAP KCLTK7PR18RY RW18R002E       +02268+02268LPV       82415

            1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLTK7SRW18RK7PG              0   18018003825                                                                  M
```

QUALITY CHECKED

| CITY AND STATE | | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| CHARLOTTE, NC | ELEVATION: 748 TDZE: 744<br>AIRPORT NAME:<br>CHARLOTTE/DOUGLAS INTL | RNAV | RNAV (GPS) Y RWY 18R, ORIG<br>11 FEB 2010 | AMDT: NONE<br>DATED: |

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| JEPHS (IF) | ATELL (FB) | 235.63 / 7.46 | 4000 |
| ATELL | LECAR (FB) | 235.57 / 4.75 | 2500 |

## MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW23

CLIMB TO 4000 DIRECT KECKS AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000.

ADDITIONAL FLIGHT DATA:
HOLD SW, RT, 055.37 INBOUND.
CHART FAS OBST: 930 TOWER 351418N/0805532W
CHART 1085 TOWER 351609N/0805256W.
DISTANCE TO THLD FROM 200 HAT: 0.45 NM.
CHART VDP AT 1.19 MILES TO RW23* *LNAV ONLY.
WAAS CHANNEL # 45906
REFERENCE PATH ID: W23A

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT JEPHS
3. FAC: 235.53 FAF: LECAR DIST FAF TO MAP: 5.25 THLD: 5.25
4. MIN. ALT: JEPHS 6000, ATELL 4000, LECAR 2500, DOVSE/1.90 NM TO RW23 1400*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2500 GS ALT AT: LECAR 2500 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 58.2 34:1 IS CLEAR
8. MSA FROM: RW23 3800

MAG VAR: 7W EPOCH YEAR: 2000

## MINIMUMS

TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | | STANDARD

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| LPV DA | 947 | 4000 | 200 | 947 | 4000 | 200 | 947 | 4000 | 200 | 947 | 4000 | 200 | | | |
| LNAV/VNAV DA | 1222 | 1 3/4 | 475 | 1222 | 1 3/4 | 475 | 1222 | 1 3/4 | 475 | 1222 | 1 3/4 | 475 | | | |
| LNAV MDA | 1180 | 5000 | 433 | 1180 | 5000 | 433 | 1180 | 6000 | 433 | 1180 | 1 1/2 | 433 | | | |
| CIRCLING | 1240 | 1 | 492 | 1240 | 1 | 492 | 1260 | 1 1/2 | 512 | 1300 | 2 | 552 | | | |

NOTES:
CHART NOTE: CIRCLING NA AT NIGHT.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: RADAR REQUIRED.
SEE 8260-10

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 748 TDZE: 747 | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP: RNAV (GPS) RWY 23 |
|---|---|---|---|---|
| CHARLOTTE, NC | AIRPORT NAME: CHARLOTTE/DOUGLAS INTL | RNAV | RNAV (GPS) Y RWY 23, AMDT 1 11 FEB 2010 | AMDT: ORIG DATED 06/05/2008 |

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) - STANDARD**
**INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**NOTES CONT.**
**CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.**
***LNAV ONLY**

QUALITY CHECKED

| CITY AND STATE | | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: RNAV (GPS) RWY 23 |
|---|---|---|---|---|
| **CHARLOTTE, NC** | **ELEVATION: 748 TDZE: 747**<br>AIRPORT NAME:<br>**CHARLOTTE/DOUGLAS INTL** | **RNAV** | **RNAV (GPS) Y RWY 23, AMDT 1**<br>11 FEB 2010 | AMDT: **ORIG**<br>DATED: **06/05/2008** |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## FAS DATA BLOCK INFORMATION

| DATA FIELD | DATA |
|---|---|
| OPERATION TYPE | 0 |
| SBAS SERVICE PROVIDER IDENTIFIER | 0 |
| AIRPORT IDENTIFIER | KCLT |
| RUNWAY | RW23 |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | Y |
| REFERENCE PATH DATA SELECTOR | 0 |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | W23A |
| LTP/FTP LATITUDE | 351321.4185N |
| LTP/FTP LONGITUDE | 0805552.1240W |
| LTP/FTP ELLIPSOIDAL HEIGHT | +01971 |
| FPAP LATITUDE | 351230.6400N |
| FPAP LONGITUDE | 0805702.0000W |
| THRESHOLD CROSSING HEIGHT (TCH) | 00058.2 |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F |
| GLIDEPATH ANGLE (GPA) | 03.00 |
| COURSE WIDTH AT THRESHOLD | 106.75 |
| LENGTH OFFSET | 0072 |
| HORIZONTAL ALERT LIMIT (HAL) | 40.0 |
| VERTICAL ALERT LIMIT (VAL) | 35.0 |
| CRC REMAINDER | A42CD600 |

## ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|---|---|
| ICAO CODE | K7 |
| LTP ORTHOMETRIC HEIGHT | +02276 |
| FPAP ORTHOMETRIC HEIGHT | +02276 |

QUALITY b CHECKED

| CITY AND STATE | ELEVATION: 748 TDZE: 747 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: RNAV (GPS) RWY 23 |
|---|---|---|---|---|
| CHARLOTTE, NC | AIRPORT NAME: CHARLOTTE/DOUGLAS INTL | RNAV | RNAV (GPS) Y RWY 23, AMDT 1 11 FEB 2010 | AMDT: ORIG |
| | | | | DATED: 06/05/2008 |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**ARINC PACKET - 424-18 - RNAV (GPS)**

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ATELL K70    C     N35195943W080464306                                NAR           ATELL
        SUSAEAENRT   DOVSE K70    C     N35143710W080540791                                NAR           DOVSE
        SUSAEAENRT   JEPHS K70    C     N35245589W080395248                                NAR           JEPHS
        SUSAEAENRT   KECKS K70    C     N35045756W081072373                                NAR           KECKS
        SUSAEAENRT   LECAR K70    C     N35165032W080510425                                NAR           LECAR

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLTK7ACLT     0     100YHN35124980W080565460W007000748         1800018000C    MNAR    CHARLOTTE/DOUGLAS INTL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLTK7FR23-Y R      010JEPHSK7EA0E  I    IF                                + 06000     18000              A JS
        SUSAP KCLTK7FR23-Y R      011ATELLK7EA0E S  051TF                    23560075     + 04000                        A JS
        SUSAP KCLTK7FR23-Y R      020LECARK7EA1E  F 051TF                    23560048     + 02500                RW23  K7PGA JS
        SUSAP KCLTK7FR23-Y R      020LECARK7EA2WALPV       ALNAV/VNAV ALNAV                                              JS
        SUSAP KCLTK7FR23-Y R      021DOVSEK7EA0E S  031TF                    23550034     V 0140001414       -300       A JS
        SUSAP KCLTK7FR23-Y R      030RW23 K7PG0GY M 031TF                    23550019       00805            -300       A JS
        SUSAP KCLTK7FR23-Y R      040         0  M  010CA                    2355         + 00947                       A JS
        SUSAP KCLTK7FR23-Y R      050KECKSK7EA0EY   010DF                                + 04000                       A JS
        SUSAP KCLTK7FR23-Y R      060KECKSK7EA0EE  R020HM                    05540040     + 04000                       A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLTK7GRW23     0075022355 N35132142W080555212-0500     +0197100747000058150I

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLTK7PR23-Y RW23 001Y0000W23A0N3513214185W08055521240+019710300N3512306400W0805702000010675007200058 2F400350A42CD600
        SUSAP KCLTK7PR23-Y RW23 002E       +02276+02276LPV       45906
```

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 748 TDZE: 747 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: RNAV (GPS) RWY 23 |
|---|---|---|---|---|
| CHARLOTTE, NC | AIRPORT NAME: CHARLOTTE/DOUGLAS INTL | RNAV | RNAV (GPS) Y RWY 23, AMDT 1 11 FEB 2010 | AMDT: ORIG |
| | | | | DATED: 06/05/2008 |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLTK7SRW23 K7PG                0   18018003825                                                                M
```

QUALITY 6 CHECKED

| CITY AND STATE | ELEVATION: 748 TDZE: 747 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: RNAV (GPS) RWY 23 |
|---|---|---|---|---|
| CHARLOTTE, NC | AIRPORT NAME: CHARLOTTE/DOUGLAS INTL | RNAV | RNAV (GPS) Y RWY 23, AMDT 1<br>11 FEB 2010 | AMDT: ORIG<br>DATED: 06/05/2008 |

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| SOLMN (IAF) | KRISL (FB) | 002.98 / 3.15 | 7000 |
| KRISL | HUNEX (FB) | 002.98 / 3.15 | 6000 |
| HUNEX | FORET (FB) | 002.97 / 3.15 | 5000 |
| FORET | MARJO (FB) | 002.97 / 3.15 | 4000 |
| MARJO (IF) | NIVSE (FB) | 002.97 / 3.15 | 3000 |
| NIVSE | GLASI (FB) | 002.96 / 1.58 | 2500 |

## MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW36C

CLIMB TO 3000 DIRECT TOMME AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 182.96 INBOUND.
CHART FAS OBST: 841 TREE 351101N/0805715W
CHART FAS OBST: 870 TOWER 350932N/0805700W
DISTANCE TO THLD FROM 200 HAT: 0.50 NM.
CHART VDP AT 1.18 MILES TO RW36C* *LNAV ONLY.
WAAS CHANNEL # 86200
REFERENCE PATH ID: W36B

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT SOLMN
3. FAC: 002.97 FAF: GLASI DIST FAF TO MAP: 5.42 THLD: 5.42
4. MIN. ALT: SOLMN 8000, KRISL 7000, HUNEX 6000, FORET 5000, MARJO 4000, NIVSE 3000, GLASI 2500
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2500 GS ALT AT: GLASI 2500 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 57.1 34:1 IS CLEAR
8. MSA FROM: RW36C 3800

MAG VAR: 7W EPOCH YEAR: 2000

## MINIMUMS

TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | | STANDARD

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| LPV DA | 907 | 2400 | 200 | 907 | 2400 | 200 | 907 | 2400 | 200 | 907 | 2400 | 200 | | | |
| LNAV/VNAV DA | 1182 | 6000 | 475 | 1182 | 6000 | 475 | 1182 | 6000 | 475 | 1182 | 6000 | 475 | | | |
| LNAV MDA | 1140 | 2400 | 433 | 1140 | 2400 | 433 | 1140 | 4000 | 433 | 1140 | 5000 | 433 | | | |
| CIRCLING | 1240 | 1 | 492 | 1240 | 1 | 492 | 1260 | 1 1/2 | 512 | 1300 | 2 | 552 | | | |

NOTES:
CHART NOTE: CIRCLING NA AT NIGHT.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: RADAR REQUIRED.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

QUALITY 4 CHECKED

| CITY AND STATE | ELEVATION: 748 TDZE: 707 | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP: RNAV (GPS) RWY 36C |
|---|---|---|---|---|
| CHARLOTTE, NC | AIRPORT NAME: CHARLOTTE/DOUGLAS INTL | RNAV | RNAV (GPS) Y RWY 36C, AMDT 3 11 FEB 2010 | AMDT: 2B |
| | | | | DATED 02/12/2009 |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## FAS DATA BLOCK INFORMATION

| DATA FIELD | DATA |
|---|---|
| OPERATION TYPE | 0 |
| SBAS SERVICE PROVIDER IDENTIFIER | 0 |
| AIRPORT IDENTIFIER | KCLT |
| RUNWAY | RW36C |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | Y |
| REFERENCE PATH DATA SELECTOR | 0 |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | W36B |
| LTP/FTP LATITUDE | 351159.9715N |
| LTP/FTP LONGITUDE | 0805702.9215W |
| LTP/FTP ELLIPSOIDAL HEIGHT | +01805 |
| FPAP LATITUDE | 351344.0800N |
| FPAP LONGITUDE | 0805711.8800W |
| THRESHOLD CROSSING HEIGHT (TCH) | 00057.1 |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F |
| GLIDEPATH ANGLE (GPA) | 03.00 |
| COURSE WIDTH AT THRESHOLD | 106.75 |
| LENGTH OFFSET | 0168 |
| HORIZONTAL ALERT LIMIT (HAL) | 40.0 |
| VERTICAL ALERT LIMIT (VAL) | 35.0 |
| CRC REMAINDER | 69AEC0E1 |

## ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|---|---|
| ICAO CODE | K7 |
| LTP ORTHOMETRIC HEIGHT | +02110 |
| FPAP ORTHOMETRIC HEIGHT | +02110 |

QUALITY 4 CHECKED

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**ARINC PACKET - 424-18 - RNAV (GPS)**

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   FORET K70    C     N34584267W080555450                              NAR           FORET
        SUSAEAENRT   GLASI K70    C     N35063530W080563502                              NAR           GLASI
        SUSAEAENRT   HUNEX K70    C     N34553383W080553835                              NAR           HUNEX
        SUSAEAENRT   KRISL K70    C     N34522499W080552222                              NAR           KRISL
        SUSAEAENRT   MARJO K70    C     N35015151W080561067                              NAR           MARJO
        SUSAEAENRT   NIVSE K70    C     N35050034W080562686                              NAR           NIVSE
        SUSAEAENRT   SOLMN K70    C     N34491615W080550611                              NAR           SOLMN
        SUSAEAENRT   TOMME K70    C     N35264330W080581913                              NAR           TOMME

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLTK7ACLT      0     100YHN35124980W080565460W007000748         1800018000C    MNAR     CHARLOTTE/DOUGLAS INTL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLTK7FR36CY ASOLMN 010SOLMNK7EA0E  A    IF                          + 08000     18000                A JS
        SUSAP KCLTK7FR36CY ASOLMN 020KRISLK7EA0E    010TF                 00300032    + 07000                          A JS
        SUSAP KCLTK7FR36CY ASOLMN 030HUNEXK7EA0E    010TF                 00300032    + 06000                          A JS
        SUSAP KCLTK7FR36CY ASOLMN 040FORETK7EA0E    010TF                 00300032    + 05000                          A JS
        SUSAP KCLTK7FR36CY ASOLMN 050MARJOK7EA0EE B 010TF                 00300032    + 04000                          A JS
        SUSAP KCLTK7FR36CY R      010MARJOK7EA0E  I    IF                          + 04000     18000                A JS
        SUSAP KCLTK7FR36CY R      011NIVSEK7EA0E S  051TF                 00300032    + 03000                          A JS
        SUSAP KCLTK7FR36CY R      020GLASIK7EA1E  F 051TF                 00300016    + 02500              RW36C K7PGA JS
        SUSAP KCLTK7FR36CY R      020GLASIK7EA2WALPV      ALNAV/VNAV ALNAV                                               JS
        SUSAP KCLTK7FR36CY R      030RW36CK7PG0GY M 031TF                 00300054      00749          -300           A JS
        SUSAP KCLTK7FR36CY R      040         0  M  010CA                 0030        + 00907                          A JS
        SUSAP KCLTK7FR36CY R      050TOMMEK7EA0EY   010DF                           + 03000                          A JS
        SUSAP KCLTK7FR36CY R      060TOMMEK7EA0EE  R020HM                 18300040    + 03000                          A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLTK7GRW36C   0100000030 N35115997W080570292+0500    +01805006920000571501
```

QUALITY 6 CHECKED

| CITY AND STATE | ELEVATION: 748 TDZE: 707 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: RNAV (GPS) RWY 36C |
|---|---|---|---|---|
| CHARLOTTE, NC | AIRPORT NAME: CHARLOTTE/DOUGLAS INTL | RNAV | RNAV (GPS) Y RWY 36C, AMDT 3 11 FEB 2010 | AMDT: 2B |
| | | | | DATED: 02/12/2009 |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
PP        123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------------------
          SUSAP KCLTK7PR36CY RW36C001Y0000W36B0N3511599715W08057029215+018050300N3513440800W08057118800106750168000571F40035069AEC0E1
          SUSAP KCLTK7PR36CY RW36C002E       +02110+02110LPV       86200

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA       123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------------------
          SUSAP KCLTK7SRW36CK7PG              0   18018003825                                                                  M
```

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 748 TDZE: 707 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: RNAV (GPS) RWY 36C |
|---|---|---|---|---|
| CHARLOTTE, NC | AIRPORT NAME: CHARLOTTE/DOUGLAS INTL | RNAV | RNAV (GPS) Y RWY 36C, AMDT 3 11 FEB 2010 | AMDT: 2B |
| | | | | DATED: 02/12/2009 |

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| WELET (IAF) | NUXXY (FB) | 002.98 / 3.15 | 6000 |
| NUXXY | LONIA (FB) | 002.97 / 3.15 | 5000 |
| LONIA | CUNUK (FB) | 002.97 / 3.15 | 4000 |
| CUNUK (IF) | DEFOX (FB) | 002.97 / 3.15 | 3000 |
| DEFOX | NLSON (FB) | 002.96 / 1.58 | 2500 |

## MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW36L

CLIMB TO 3000 DIRECT WOVEN AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 182.95 INBOUND.
CHART FAS OBST: 831 TREE 351147N/0805737W
CHART FAS OBST: 888 TOWER 351203N/0805831W
DISTANCE TO THLD FROM 200 HAT: 0.48 NM.
CHART VDP AT 1.07 MILES TO RW36L* *LNAV ONLY.
WAAS CHANNEL # 56515
REFERENCE PATH ID: W36A

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT WELET
3. FAC: 002.96 FAF: NLSON DIST FAF TO MAP: 5.29 THLD: 5.29
4. MIN. ALT: WELET 7000, NUXXY 6000, LONIA 5000, CUNUK 4000, DEFOX 3000, NLSON 2500
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2500 GS ALT AT: NLSON 2500 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 46.4 34:1 IS CLEAR
8. MSA FROM: RW36L 3800

MAG VAR: 7W EPOCH YEAR: 2000

## MINIMUMS

TAKEOFF: ____ STANDARD X SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A ____ STANDARD

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| LPV DA | 944 | 2400 | 200 | 944 | 2400 | 200 | 944 | 2400 | 200 | 944 | 2400 | 200 | | | |
| LNAV/VNAV DA | 1113 | 4000 | 369 | 1113 | 4000 | 369 | 1113 | 4000 | 369 | 1113 | 4000 | 369 | | | |
| LNAV MDA | 1140 | 2400 | 396 | 1140 | 2400 | 396 | 1140 | 2400 | 396 | 1140 | 5000 | 396 | | | |
| | | | | | | | | | | | | | | | |
| CIRCLING | 1240 | 1 | 492 | 1240 | 1 | 492 | 1260 | 1 1/2 | 512 | 1300 | 2 | 552 | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

NOTES:
CHART NOTE: CIRCLING NA AT NIGHT.
CHART NOTE: FOR INOPERATIVE ALSF, INCREASE LNAV CAT D VISIBILITY TO RVR 6000.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F).
CHART NOTE: DME/DME RNP-0.3 NA.
SEE 8260-10

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 748 TDZE: 744 | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| CHARLOTTE, NC | AIRPORT NAME: CHARLOTTE/DOUGLAS INTL | RNAV | RNAV (GPS) Y RWY 36L, ORIG 11 FEB 2010 | AMDT: NONE |
| | | | | DATED |

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) - STANDARD**
**INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**NOTES CONT.**
**CHART PLANVIEW NOTE: RADAR REQUIRED.**
**CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.**

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 748 TDZE: 744 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| **CHARLOTTE, NC** | AIRPORT NAME: **CHARLOTTE/DOUGLAS INTL** | **RNAV** | **RNAV (GPS) Y RWY 36L, ORIG** 11 FEB 2010 | AMDT: **NONE** |
| | | | | DATED: |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## FAS DATA BLOCK INFORMATION

| DATA FIELD | DATA |
|---|---|
| OPERATION TYPE | 0 |
| SBAS SERVICE PROVIDER IDENTIFIER | 0 |
| AIRPORT IDENTIFIER | KCLT |
| RUNWAY | RW36L |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | Y |
| REFERENCE PATH DATA SELECTOR | 0 |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | W36A |
| LTP/FTP LATITUDE | 351202.2210N |
| LTP/FTP LONGITUDE | 0805755.0805W |
| LTP/FTP ELLIPSOIDAL HEIGHT | +01962 |
| FPAP LATITUDE | 351331.5200N |
| FPAP LONGITUDE | 0805802.7700W |
| THRESHOLD CROSSING HEIGHT (TCH) | 00046.4 |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F |
| GLIDEPATH ANGLE (GPA) | 03.00 |
| COURSE WIDTH AT THRESHOLD | 106.50 |
| LENGTH OFFSET | 0016 |
| HORIZONTAL ALERT LIMIT (HAL) | 40.0 |
| VERTICAL ALERT LIMIT (VAL) | 35.0 |
| CRC REMAINDER | 2E99DD58 |

## ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|---|---|
| ICAO CODE | K7 |
| LTP ORTHOMETRIC HEIGHT | +02268 |
| FPAP ORTHOMETRIC HEIGHT | +02268 |

QUALITY 4 CHECKED

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**ARINC PACKET - 424-18 - RNAV (GPS)**

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CUNUK K70    C     N35020155W080570350                              NAR          CUNUK
        SUSAEAENRT   DEFOX K70    C     N35051039W080571969                              NAR          DEFOX
        SUSAEAENRT   LONIA K70    C     N34585272W080564733                              NAR          LONIA
        SUSAEAENRT   NLSON K70    C     N35064507W080572782                              NAR          NLSON
        SUSAEAENRT   NUXXY K70    C     N34554388W080563118                              NAR          NUXXY
        SUSAEAENRT   WELET K70    C     N34523503W080561505                              NAR          WELET
        SUSAEAENRT   WOVEN K70    C     N35263689W080591056                              NAR          WOVEN

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLTK7ACLT     0     100YHN35124980W080565460W007000748         1800018000C    MNAR    CHARLOTTE/DOUGLAS INTL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLTK7FR36LY AWELET 010WELETK7EA0E  A    IF                          + 07000     18000              A JS
        SUSAP KCLTK7FR36LY AWELET 020NUXXYK7EA0E    010TF                 00300032    + 06000                        A JS
        SUSAP KCLTK7FR36LY AWELET 030LONIAK7EA0E    010TF                 00300032    + 05000                        A JS
        SUSAP KCLTK7FR36LY AWELET 040CUNUKK7EA0EE B 010TF                 00300032    + 04000                        A JS
        SUSAP KCLTK7FR36LY R      010CUNUKK7EA0E  I    IF                           + 04000     18000              A JS
        SUSAP KCLTK7FR36LY R      011DEFOXK7EA0E S  051TF                 00300032    + 03000                        A JS
        SUSAP KCLTK7FR36LY R      020NLSONK7EA1E  F 051TF                 00300016    + 02500              RW36L K7PGA JS
        SUSAP KCLTK7FR36LY R      020NLSONK7EA2WALPV       ALNAV/VNAV ALNAV                                          JS
        SUSAP KCLTK7FR36LY R      030RW36LK7PG0GY M 031TF                 00300053      00790          -300          A JS
        SUSAP KCLTK7FR36LY R      040         0  M  010CA                 0030        + 00944                        A JS
        SUSAP KCLTK7FR36LY R      050WOVENK7EA0EY   010DF                           + 03000                        A JS
        SUSAP KCLTK7FR36LY R      060WOVENK7EA0EE  R020HM                 18300040    + 03000                        A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLTK7GRW36L   0090000030 N35120222W080575508+0000    +01962007440000046150I
```

QUALITY IS CHECKED

| CITY AND STATE | ELEVATION: 748 TDZE: 744 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| CHARLOTTE, NC | AIRPORT NAME: CHARLOTTE/DOUGLAS INTL | RNAV | RNAV (GPS) Y RWY 36L, ORIG<br>11 FEB 2010 | AMDT: NONE<br>DATED: |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
PP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KCLTK7PR36LY RW36L001Y0000W36A0N3512022210W08057550805+019620300N3513315200W0805802770010650001600046 4F4003502E99DD58
          SUSAP KCLTK7PR36LY RW36L002E      +02268+02268LPV       56515

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KCLTK7SRW36LK7PG              0   18018003825                                                              M
```

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 748 TDZE: 744 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| CHARLOTTE, NC | AIRPORT NAME: CHARLOTTE/DOUGLAS INTL | RNAV | RNAV (GPS) Y RWY 36L, ORIG 11 FEB 2010 | AMDT: NONE |
| | | | | DATED: |

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| HEKAM (IAF) | JENDA (FB) | 002.98 / 3.15 | 5000 |
| JENDA | LANSR (FB) | 002.98 / 3.15 | 4000 |
| LANSR (IF) | CIKDU (FB) | 002.98 / 3.15 | 3000 |
| CIKDU | HAYOU (FB) | 002.98 / 1.58 | 2500 |

## MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW36R

CLIMB TO 3000 DIRECT SNAKK AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 182.96 INBOUND.
CHART FAS OBST: 850 TOWER 351121N/0805541W
CHART FAS OBST: 1119 TOWER 350758N/0805326W
DISTANCE TO THLD FROM 200 HAT: 0.46 NM.
CHART VDP AT 1.01 MILES TO RW36R* *LNAV ONLY.
WAAS CHANNEL # 90100
REFERENCE PATH ID: W36D

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT HEKAM
3. FAC: 002.97 FAF: HAYOU DIST FAF TO MAP: 5.32 THLD: 5.32
4. MIN. ALT: HEKAM 6000, JENDA 5000, LANSR 4000, CIKDU 3000, HAYOU 2500
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2500 GS ALT AT: HAYOU 2500 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 58.2 34:1 IS CLEAR
8. MSA FROM: RW36R 3800

MAG VAR: 7W EPOCH YEAR: 2000

## MINIMUMS

TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | | STANDARD

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| LPV DA | 927 | 2400 | 200 | 927 | 2400 | 200 | 927 | 2400 | 200 | 927 | 2400 | 200 | | | |
| LNAV/VNAV DA | 1190 | 5000 | 463 | 1190 | 5000 | 463 | 1190 | 5000 | 463 | 1190 | 5000 | 463 | | | |
| LNAV MDA | 1120 | 2400 | 393 | 1120 | 2400 | 393 | 1120 | 2400 | 393 | 1120 | 5000 | 393 | | | |
| | | | | | | | | | | | | | | | |
| CIRCLING | 1240 | 1 | 492 | 1240 | 1 | 492 | 1260 | 1 1/2 | 512 | 1300 | 2 | 552 | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

NOTES:
CHART NOTE: CIRCLING NA AT NIGHT.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: RADAR REQUIRED.
SEE 8260-10

QUALITY 4 CHECKED

| CITY AND STATE | ELEVATION: 748 TDZE: 727 | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP: RNAV (GPS) RWY 36R |
|---|---|---|---|---|
| CHARLOTTE, NC | AIRPORT NAME: CHARLOTTE/DOUGLAS INTL | RNAV | RNAV (GPS) Y RWY 36R, AMDT 3 11 FEB 2010 | AMDT: 2 DATED 06/10/2004 |

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) - STANDARD**
**INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**NOTES CONT.**
**CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.**
**CHART NOTE: FOR INOPERATIVE ALSF, INCREASE LNAV CAT D VISIBILITY TO RVR 6000.**

QUALITY 4 CHECKED

| CITY AND STATE | | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | |
|---|---|---|---|---|
| **CHARLOTTE, NC** | **ELEVATION: 748 TDZE: 727**<br>AIRPORT NAME:<br>**CHARLOTTE/DOUGLAS INTL** | **RNAV** | **RNAV (GPS) Y RWY 36R, AMDT 3**<br>11 FEB 2010 | SUP: **RNAV (GPS) RWY 36R**<br>AMDT: **2**<br>DATED: **06/10/2004** |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## FAS DATA BLOCK INFORMATION

| DATA FIELD | DATA |
|---|---|
| OPERATION TYPE | 0 |
| SBAS SERVICE PROVIDER IDENTIFIER | 0 |
| AIRPORT IDENTIFIER | KCLT |
| RUNWAY | RW36R |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | Y |
| REFERENCE PATH DATA SELECTOR | 0 |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | W36D |
| LTP/FTP LATITUDE | 351203.4460N |
| LTP/FTP LONGITUDE | 0805602.8225W |
| LTP/FTP ELLIPSOIDAL HEIGHT | +01900 |
| FPAP LATITUDE | 351329.0400N |
| FPAP LONGITUDE | 0805610.1700W |
| THRESHOLD CROSSING HEIGHT (TCH) | 00058.2 |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F |
| GLIDEPATH ANGLE (GPA) | 03.00 |
| COURSE WIDTH AT THRESHOLD | 106.75 |
| LENGTH OFFSET | 0000 |
| HORIZONTAL ALERT LIMIT (HAL) | 40.0 |
| VERTICAL ALERT LIMIT (VAL) | 35.0 |
| CRC REMAINDER | E3A617F8 |

## ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|---|---|
| ICAO CODE | K7 |
| LTP ORTHOMETRIC HEIGHT | +02205 |
| FPAP ORTHOMETRIC HEIGHT | +02205 |

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 748 TDZE: 727 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: RNAV (GPS) RWY 36R |
|---|---|---|---|---|
| CHARLOTTE, NC | AIRPORT NAME: CHARLOTTE/DOUGLAS INTL | RNAV | RNAV (GPS) Y RWY 36R, AMDT 3 | AMDT: 2 |
| | | | 11 FEB 2010 | DATED: 06/10/2004 |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, *except visibilities which are in statute miles or in feet RVR.*

**ARINC PACKET - 424-18 - RNAV (GPS)**

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CIKDU K70    C     N35050981W080552737                              NAR          CIKDU
        SUSAEAENRT   HAYOU K70    C     N35064470W080553549                              NAR          HAYOU
        SUSAEAENRT   HEKAM K70    C     N34554330W080543897                              NAR          HEKAM
        SUSAEAENRT   JENDA K70    C     N34585214W080545508                              NAR          JENDA
        SUSAEAENRT   LANSR K70    C     N35020098W080551121                              NAR          LANSR
        SUSAEAENRT   SNAKK K70    C     N35263312W080571767                              NAR          SNAKK

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLTK7ACLT     0     100YHN35124980W080565460W007000748         1800018000C    MNAR    CHARLOTTE/DOUGLAS INTL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLTK7FR36RY AHEKAM 010HEKAMK7EA0E  A    IF                                  + 06000     18000                A JS
        SUSAP KCLTK7FR36RY AHEKAM 020JENDAK7EA0E    010TF                       00300032    + 05000                          A JS
        SUSAP KCLTK7FR36RY AHEKAM 030LANSRK7EA0EE B 010TF                       00300032    + 04000                          A JS
        SUSAP KCLTK7FR36RY R      010LANSRK7EA0E  I    IF                                  + 04000     18000                A JS
        SUSAP KCLTK7FR36RY R      011CIKDUK7EA0E S  051TF                       00300032    + 03000                          A JS
        SUSAP KCLTK7FR36RY R      020HAYOUK7EA1E  F 051TF                       00300016    + 02500               RW36R K7PGA JS
        SUSAP KCLTK7FR36RY R      020HAYOUK7EA2WALPV       ALNAV/VNAV ALNAV                                                  JS
        SUSAP KCLTK7FR36RY R      030RW36RK7PG0GY M 031TF                       00300053      00782          -300           A JS
        SUSAP KCLTK7FR36RY R      040          0  M  010CA                      0030        + 00927                          A JS
        SUSAP KCLTK7FR36RY R      050SNAKKK7EA0EY   010DF                                   + 03000                          A JS
        SUSAP KCLTK7FR36RY R      060SNAKKK7EA0EE  R020HM                       18300040    + 03000                          A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLTK7GRW36R    0086760030 N35120345W080560282+0300     +01900007240000581501

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLTK7PR36RY RW36R001Y0000W36D0N3512034460W08056028225+019000300N3513290400W080561017001067500000000582F400350E3A617F8
```

QUALITY CHECKED 6

| CITY AND STATE | ELEVATION: 748 TDZE: 727 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: RNAV (GPS) RWY 36R |
|---|---|---|---|---|
| CHARLOTTE, NC | AIRPORT NAME: CHARLOTTE/DOUGLAS INTL | RNAV | RNAV (GPS) Y RWY 36R, AMDT 3<br>11 FEB 2010 | AMDT: 2<br>DATED: 06/10/2004 |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
        SUSAP KCLTK7PR36RY RW36R002E      +02205+02205LPV       90100

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLTK7SRW36RK7PG                0   18018003825                                                                    M
```

| CITY AND STATE | ELEVATION: 748 TDZE: 727 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: RNAV (GPS) RWY 36R |
|---|---|---|---|---|
| CHARLOTTE, NC | AIRPORT NAME: CHARLOTTE/DOUGLAS INTL | RNAV | RNAV (GPS) Y RWY 36R, AMDT 3<br>11 FEB 2010 | AMDT: 2<br>DATED: 06/10/2004 |

U.S. Department of Transportation
Federal Aviation Administration

# RNAV - STANDARD
## INSTRUMENT APPROACH PROCEDURE
## TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**TERMINAL ROUTES**

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| KECKS (IF)(40E)(43I) | ERKAW (TF)(FB)(RNP 1.00)(40E)(43F) | 055.37 / 6.01 | 2500 |
| ERKAW (FAF)(40E)(43F) | RW05 (TF)(FO)(40G)(41Y)(43M) | 055.42 / 5.39 | |
| RW05 (MAP)(40G)(41Y)(43M) | ATELL (TF)(FO)(RNP 1.00)(40E)(41Y)(42M) | 055.47 / 11.23 | 4000 |

**MISSED APPROACH**

MAP: DA

CLIMB TO 4000 VIA TRACK 055.47 TO ATELL AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT KECKS
3. FAC: 055.42 FAF: ____ DIST FAF TO MAP: ____ THLD: ____
4. MIN. ALT: KECKS 4000
5. DIST TO THLD FROM OM: 5.39 MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2500 GS ALT AT: ERKAW 2500 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 51.2# 34:1 IS NOT CLEAR
8. MSA FROM: RW05 3900

ADDITIONAL FLIGHT DATA:
HOLD NE, RT, 235.57 INBOUND.
CHART FAS OBST: 823 TREE 351220N/0805739W, 888 TOWER 351203N/0805831W.
DISTANCE TO THLD FROM 345 HAT: 0.95 NM.
ROUTE TYPE: A, R
ROUTE TYPE QUALIFIER 1: P
ROUTE TYPE QUALIFIER 2: S

#TCH 757.1 MSL (DO NOT CHART)

MAG VAR: 7W EPOCH YEAR: 2000

**MINIMUMS**

TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | | STANDARD

| CATEGORY ======> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/ MDA | VIS | HAT/HAA | DH/ MDA | VIS | HAT/HAA | DH/ MDA | VIS | HAT/HAA | DH/ MDA | VIS | HAT/HAA | DH/ MDA | VIS | HAT/HAA |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| **SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED** | | | | | | | | | | | | | | | |
| RNP 0.11 DA | 1061 | 4000 | 345 | 1061 | 4000 | 345 | 1061 | 4000 | 345 | 1061 | 4000 | 345 | | | |
| RNP 0.30 DA | 1216 | 6000 | 500 | 1216 | 6000 | 500 | 1216 | 6000 | 500 | 1216 | 6000 | 500 | | | |
| | | | | | | | | | | | | | | | |

NOTES: CHART NOTES: GPS REQUIRED. FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -10C (14F) OR ABOVE 47C (117F). VISIBILITY REDUCTION BY HELICOPTERS NA. FOR INOPERATIVE MALSR, INCREASE RNP 0.11 ALL CATS VISIBILITY TO RVR 6000 AND RNP 0.30 ALL CATS VISIBILITY TO 1 3/4 MILE.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
CHART PLANVIEW NOTE: RADAR REQUIRED.

QUALITY 4 CHECKED

| CITY AND STATE | ELEVATION: 748 TDZE: 716 / AIRPORT NAME: | FACILITY IDENTIFIER: | PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| CHARLOTTE, NC | CHARLOTTE/DOUGLAS INTL | RNAV | 11 FEB 2010 RNAV (RNP) Z RWY 5, ORIG | AMDT: NONE |
| | | | | DATE |

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

**RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE**

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
ARINC PACKET - 424-18 - RNAV (RNP)

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ATELL K70    C     N35195943W080464306                      W0073     NAR           ATELL
        SUSAEAENRT   ERKAW K70    W     N35085728W081015516                      W0071     NAR           ERKAW
        SUSAEAENRT   KECKS K70    C     N35045756W081072373                      W0070     NAR           KECKS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLTK7ACLT     0     100YHN35124980W080565460W007000748         1800018000C    MNAR    CHARLOTTE/DOUGLAS INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLTK7FR05-Z R      010KECKSK7EA0E  I    IF                                  + 04000     18000                 A PS
        SUSAP KCLTK7FR05-Z R      020ERKAWK7EA1E  F 010TF                      05540060    + 02500                 RW05 BK7PGA PS
        SUSAP KCLTK7FR05-Z R      020ERKAWK7EA2W                                                A031A112                      PS
        SUSAP KCLTK7FR05-Z R      030RW05 K7PG0GY M 031TF                      05540054      00757             -300          A PS
        SUSAP KCLTK7FR05-Z R      040ATELLK7EA0EYM  010TF                      05550112    + 04000                           A PS
        SUSAP KCLTK7FR05-Z R      050ATELLK7EA0EE  R020HM                      23560040    + 04000                           A PS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLTK7GRW05    0075020555 N35123223W080565981+0500    +0184600706000051150I

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLTK7SRW05 K7PGB               0   18018003925                                                                    M
```

QUALITY 6 CHECKED

| CITY AND STATE | ELEVATION: 748 TDZE: 716 | FACILITY IDENTIFIER: | PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| CHARLOTTE, NC | AIRPORT NAME: CHARLOTTE/DOUGLAS INTL | RNAV | RNAV (RNP) Z RWY 5, ORIG<br>11 FEB 2010 | AMDT: NONE<br>DATED: |

U.S. Department of Transportation
Federal Aviation Administration

# RNAV - STANDARD
## INSTRUMENT APPROACH PROCEDURE
## TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**TERMINAL ROUTES**

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| JEDKO (IAF)(40E)(43A) | LERDY (TF)(FB)(RNP 1.00)(40E) | 182.94 / 3.15 | 7000 |
| LERDY (40E) | FERSA (TF)(FB)(RNP 1.00)(40E) | 182.94 / 3.15 | 6000 |
| FERSA (40E) | TOMME (TF)(FB)(RNP 1.00)(40E) (41E) | 182.95 / 3.15 | 5000 |
| TOMME (IF)(40E)(43I) | HAGUL (TF)(FB)(RNP 1.00)(40E) (42S) | 182.95 / 3.15 | 4000 |
| HAGUL (40E)(42S) | OZEJI (TF)(FB)(RNP 1.00)(40E) (43F) | 182.95 / 3.15 | 3000 |
| OZEJI (FAF)(40E)(43F) | RW18C (TF)(FO)(40G)(41Y)(43M) | 182.95 / 6.79 | |
| RW18C (MAP)(40G)(41Y)(43M) | FORET (TF)(FO)(RNP 1.00)(40E) (41Y)(42M) | 182.96 / 14.95 | 3000 |

**MISSED APPROACH**

MAP: DA

CLIMB TO 3000 VIA TRACK 182.96 TO FORET AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 002.97 INBOUND.
CHART FAS OBST: 905 ANT 351421N/0805646W, 823 TREE 351407N/0805702W.
DISTANCE TO THLD FROM 312 HAT: 0.81 NM.
ROUTE TYPE: A, R
ROUTE TYPE QUALIFIER 1: P
ROUTE TYPE QUALIFIER 2: S

#TCH 797.2 MSL (DO NOT CHART)

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT JEDKO
3. FAC: 182.95 FAF: ____ DIST FAF TO MAP: ____ THLD: ____
4. MIN. ALT: JEDKO 8000, LERDY 7000, FERSA 6000, TOMME 5000, HAGUL 4000
5. DIST TO THLD FROM OM: 6.79 MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 3000 GS ALT AT: OZEJI 3000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 55.3# 34:1 IS NOT CLEAR
8. MSA FROM: RW18C 3900

MAG VAR: 7W EPOCH YEAR: 2000

**MINIMUMS**

TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD

| CATEGORY ===> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/ MDA | VIS | HAT/HAA | DH/ MDA | VIS | HAT/HAA | DH/ MDA | VIS | HAT/HAA | DH/ MDA | VIS | HAT/HAA | DH/ MDA | VIS | HAT/HAA |
| SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED | | | | | | | | | | | | | | | |
| RNP 0.11 DA | 1054 | 4000 | 312 | 1054 | 4000 | 312 | 1054 | 4000 | 312 | 1054 | 4000 | 312 | | | |
| RNP 0.30 DA | 1175 | 5000 | 433 | 1175 | 5000 | 433 | 1175 | 5000 | 433 | 1175 | 5000 | 433 | | | |

NOTES: CHART NOTES: GPS REQUIRED. FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -10C (14F) OR ABOVE 47C (118F). VISIBILITY REDUCTION BY HELICOPTERS NA. FOR INOPERATIVE MALSR, INCREASE RNP 0.11 VISIBILITY ALL CATS TO RVR 5000 AND RNP 0.30 VISIBILITY ALL CATS TO 1 1/2 MILE.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
CHART PLANVIEW NOTE: RADAR REQUIRED.

QUALITY 4 CHECKED

| CITY AND STATE | ELEVATION: 748 TDZE: 742 / AIRPORT NAME: | FACILITY IDENTIFIER: | PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| CHARLOTTE, NC | CHARLOTTE/DOUGLAS INTL | RNAV | 11 FEB 2010 RNAV (RNP) Z RWY 18C, ORIG | AMDT: NONE |
| | | | | DATE |

**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**

# RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (RNP)

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   FERSA K70    C     N35295211W080583548                    W0072     NAR           FERSA
          SUSAEAENRT   FORET K70    C     N34584267W080555450                    W0071     NAR           FORET
          SUSAEAENRT   HAGUL K70    C     N35233446W080580280                    W0072     NAR           HAGUL
          SUSAEAENRT   JEDKO K70    C     N35360974W080590825                    W0072     NAR           JEDKO
          SUSAEAENRT   LERDY K70    C     N35330093W080585186                    W0072     NAR           LERDY
          SUSAEAENRT   OZEJI K70    C     N35202559W080574649                    W0072     NAR           OZEJI
          SUSAEAENRT   TOMME K70    C     N35264330W080581913                    W0072     NAR           TOMME

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KCLTK7ACLT     0     100YHN35124980W080565460W007000748         1800018000C    MNAR    CHARLOTTE/DOUGLAS INTL

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KCLTK7FR18CZ AJEDKO 010JEDKOK7EA0E  A    IF                                + 08000     18000                A PS
          SUSAP KCLTK7FR18CZ AJEDKO 020LERDYK7EA0E    010TF                    18290032    + 07000                          A PS
          SUSAP KCLTK7FR18CZ AJEDKO 030FERSAK7EA0E    010TF                    18290032    + 06000                          A PS
          SUSAP KCLTK7FR18CZ AJEDKO 040TOMMEK7EA0EE B 010TF                    18300032    + 05000                          A PS
          SUSAP KCLTK7FR18CZ R      010TOMMEK7EA0E  I    IF                                + 05000     18000                A PS
          SUSAP KCLTK7FR18CZ R      011HAGULK7EA0E S  010TF                    18300032    + 04000                          A PS
          SUSAP KCLTK7FR18CZ R      020OZEJIK7EA1E  F 010TF                    18300032    + 03000                RW18CBK7PGA PS
          SUSAP KCLTK7FR18CZ R      020OZEJIK7EA2W                                    A031A112                           PS
          SUSAP KCLTK7FR18CZ R      030RW18CK7PG0GY M 031TF                    18300068      00797          -300          A PS
          SUSAP KCLTK7FR18CZ R      040FORETK7EA0EYM  010TF                    18300150    + 03000                          A PS
          SUSAP KCLTK7FR18CZ R      050FORETK7EA0EE  R020HM                    00300040    + 03000                          A PS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KCLTK7GRW18C   0100001830 N35133863W080571141-0500     +01956C0742000055150I

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KCLTK7SRW18CK7PGB              0   18018003925                                                              M
```

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 748 TDZE: 742 | FACILITY IDENTIFIER: | PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| **CHARLOTTE, NC** | AIRPORT NAME: **CHARLOTTE/DOUGLAS INTL** | **RNAV** | **RNAV (RNP) Z RWY 18C, ORIG** 11 FEB 2010 | AMDT: **NONE** |
| | | | | DATED: |

U.S. Department of Transportation
Federal Aviation Administration

# RNAV - STANDARD
## INSTRUMENT APPROACH PROCEDURE
## TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**TERMINAL ROUTES**

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| CAVVI (IAF)(40E)(43A) | SNAKK (TF)(FB)(RNP 1.00)(40E)(41E) | 182.96 / 3.15 | 5000 |
| SNAKK (IF)(40E)(43I) | GILGE (TF)(FB)(RNP 1.00)(40E)(42S) | 182.96 / 3.15 | 4000 |
| GILGE (40E)(42S) | QUWED (TF)(FB)(RNP 1.00)(40E)(43F) | 182.96 / 3.15 | 3000 |
| QUWED (FAF)(40E)(43F) | RW18L (TF)(FO)(40G)(41Y)(43M) | 182.96 / 6.78 | |
| RW18L (MAP)(40G)(41Y)(43M) | JENDA (TF)(FO)(RNP 1.00)(40E)(41Y)(42M) | 182.97 / 14.63 | 3000 |

**MISSED APPROACH**

MAP: DA

CLIMB TO 3000 VIA TRACK 182.97 TO JENDA AND HOLD.

1. PT NA SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)
2. PROFILE STARTS AT CAVVI
3. FAC: 182.96 FAF: _____ DIST FAF TO MAP: _____ THLD: _____
4. MIN. ALT: CAVVI 6000, SNAKK 5000, GILGE 4000
5. DIST TO THLD FROM OM: 6.78 MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____
6. MIN GS INCPT: 3000 GS ALT AT: QUWED 3000 OM: _____ MM: _____ IM: _____
7. GS ANGLE: 3.00 TCH: 55.7# 34:1 IS NOT CLEAR
8. MSA FROM: RW18L 3900

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 002.98 INBOUND.
CHART FAS OBST: 930 TOWER 351418N/0805532W, 853 TREE 351402N/0805621W.
CHART: 767 RR 351336N/0805610W, 879 TREE 351432N/0805631W, 876 TREE 351432N/0805633W.
DISTANCE TO THLD FROM 348 HAT: 0.91 NM.
ROUTE TYPE: A, R
ROUTE TYPE QUALIFIER 1: P
ROUTE TYPE QUALIFIER 2: S

#TCH 801.5 MSL (DO NOT CHART)

MAG VAR: 7W EPOCH YEAR: 2000

**MINIMUMS**

TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/ MDA | VIS | HAT/HAA | DH/ MDA | VIS | HAT/HAA | DH/ MDA | VIS | HAT/HAA | DH/ MDA | VIS | HAT/HAA | DH/ MDA | VIS | HAT/HAA |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| **SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED** | | | | | | | | | | | | | | | |
| RNP 0.11 | 1091 | 6000 | 343 | 1091 | 6000 | 343 | 1091 | 6000 | 343 | 1091 | 6000 | 343 | | | |
| RNP 0.30 | 1202 | 1 1/2 | 454 | 1202 | 1 1/2 | 454 | 1202 | 1 1/2 | 454 | 1202 | 1 1/2 | 454 | | | |
| | | | | | | | | | | | | | | | |

NOTES: CHART NOTES: GPS REQUIRED. FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -10C (14F) OR ABOVE 47C (118F). WHEN VGSI INOP, PROCEDURE NA AT NIGHT.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
CHART PLANVIEW NOTE: RADAR REQUIRED.

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 748 TDZE: 748 AIRPORT NAME: | FACILITY IDENTIFIER: | PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| CHARLOTTE, NC | CHARLOTTE/DOUGLAS INTL | RNAV | 11 FEB 2010 RNAV (RNP) Z RWY 18L, ORIG | AMDT: NONE DATE |

**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**

# RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. *Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise* indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (RNP)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CAVVI K70    C     N35294194W080573398                    W0072     NAR           CAVVI
        SUSAEAENRT   GILGE K70    C     N35232429W080570138                    W0072     NAR           GILGE
        SUSAEAENRT   JENDA K70    C     N34585214W080545508                    W0071     NAR           JENDA
        SUSAEAENRT   QUWED K70    C     N35201524W080564509                    W0072     NAR           QUWED
        SUSAEAENRT   SNAKK K70    C     N35263312W080571767                    W0072     NAR           SNAKK

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLTK7ACLT     0      100YHN35124980W080565460W007000748         1800018000C    MNAR    CHARLOTTE/DOUGLAS INTL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLTK7FR18LZ ACAVVI 010CAVVIK7EA0E  A    IF                                + 06000     18000                A PS
        SUSAP KCLTK7FR18LZ ACAVVI 020SNAKKK7EA0EE B 010TF                  18300032      + 05000                          A PS
        SUSAP KCLTK7FR18LZ R      010SNAKKK7EA0E  I    IF                             + 05000     18000                A PS
        SUSAP KCLTK7FR18LZ R      011GILGEK7EA0E S  010TF                  18300032      + 04000                          A PS
        SUSAP KCLTK7FR18LZ R      020QUWEDK7EA1E  F 010TF                  18300032      + 03000                RW18LBK7PGA PS
        SUSAP KCLTK7FR18LZ R      020QUWEDK7EA2W                                      A031A112                           PS
        SUSAP KCLTK7FR18LZ R      030RW18LK7PG0GY M 031TF                  18300068        00802          -300          A PS
        SUSAP KCLTK7FR18LZ R      040JENDAK7EA0EYM  010TF                  18300146      + 03000                          A PS
        SUSAP KCLTK7FR18LZ R      050JENDAK7EA0EE  R020HM                  00300040      + 03000                          A PS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLTK7GRW18L    0086761830 N35132904W080561017-0300     +0196800746000056150I

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLTK7SRW18LK7PGB              0   18018003925                                                                    M
```

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 748 TDZE: 748 | FACILITY IDENTIFIER: | PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| **CHARLOTTE, NC** | AIRPORT NAME: **CHARLOTTE/DOUGLAS INTL** | **RNAV** | **RNAV (RNP) Z RWY 18L, ORIG** 11 FEB 2010 | AMDT: **NONE** |
| | | | | DATED: |

U.S. Department of Transportation
Federal Aviation Administration

# RNAV - STANDARD
# INSTRUMENT APPROACH PROCEDURE
# TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| RUDKY (IAF)(40E)(43A) | NELLA (TF)(FB)(RNP 1.00)(40E) | 182.94 / 3.15 | 6000 |
| NELLA (40E) | WOVEN (TF)(FB)(RNP 1.00)(40E) (41E) | 182.95 / 3.15 | 5000 |
| WOVEN (IF)(40E)(43I) | EMERS (TF)(FB)(RNP 1.00)(40E) (42S) | 182.95 / 3.15 | 4000 |
| EMERS (40E)(42S) | JHUNT (TF)(FB)(RNP 1.00)(40E) (43F) | 182.95 / 3.15 | 3000 |
| JHUNT (FAF)(40E)(43F) | RW18R (TF)(FO)(40G)(41Y)(43M) | 182.95 / 6.81 | |
| RW18R (MAP)(40G)(41Y)(43M) | LONIA (TF)(FO)(RNP 1.00)(40E) (41Y)(42M) | 182.96 / 14.65 | 3000 |

## MISSED APPROACH

MAP: DA

CLIMB TO 3000 VIA TRACK 182.96 TO LONIA AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 002.97 INBOUND.
DISTANCE TO THLD FROM 282 HAT: 0.74 NM.
ROUTE TYPE: A, R
ROUTE TYPE QUALIFIER 1: P
ROUTE TYPE QUALIFIER 2: S

#TCH 789.7 MSL (DO NOT CHART)

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT RUDKY
3. FAC: 182.95 FAF: ____ DIST FAF TO MAP: ____ THLD: ____
4. MIN. ALT: RUDKY 7000, NELLA 6000, WOVEN 5000, EMERS 4000
5. DIST TO THLD FROM OM: 6.81 MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 3000 GS ALT AT: JHUNT 3000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 45.7# 34:1 IS NOT CLEAR
8. MSA FROM: RW18R 3900

MAG VAR: 7W EPOCH YEAR: 2000

## MINIMUMS

TAKEOFF: | | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | | STANDARD

| CATEGORY ======> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/ MDA | VIS | HAT/HAA | DH/ MDA | VIS | HAT/HAA | DH/ MDA | VIS | HAT/HAA | DH/ MDA | VIS | HAT/HAA | DH/ MDA | VIS | HAT/HAA |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| **SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED** | | | | | | | | | | | | | | | |
| RNP 0.11 DA | 1026 | 2400 | 282 | 1026 | 2400 | 282 | 1026 | 2400 | 282 | 1026 | 2400 | 282 | | | |
| RNP 0.30 DA | 1085 | 4000 | 341 | 1085 | 4000 | 341 | 1085 | 4000 | 341 | 1085 | 4000 | 341 | | | |
| | | | | | | | | | | | | | | | |

NOTES: CHART NOTES: GPS REQUIRED. FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -10C (14F) OR ABOVE 47C (118F). VISIBILITY REDUCTION BY HELICOPTERS NA. FOR INOPERATIVE ALSF, INCREASE RNP 0.11 VISIBILITY ALL CATS TO RVR 5000 AND RNP 0.30 VISIBILITY ALL CATS TO RVR 6000.
CHART PLANVIEW NOTE: RADAR REQUIRED.

QUALITY 4 CHECKED

| CITY AND STATE | ELEVATION: 748 TDZE: 744 / AIRPORT NAME: | FACILITY IDENTIFIER: | PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| CHARLOTTE, NC | CHARLOTTE/DOUGLAS INTL | RNAV | 11 FEB 2010 RNAV (RNP) Z RWY 18R, ORIG | AMDT: NONE |
| | | | | DATE |

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

**RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE**

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (RNP)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   EMERS K70    C     N35232807W080585423                      W0072     NAR           EMERS
        SUSAEAENRT   JHUNT K70    C     N35201934W080583792                      W0072     NAR           JHUNT
        SUSAEAENRT   LONIA K70    C     N34585272W080564733                      W0071     NAR           LONIA
        SUSAEAENRT   NELLA K70    C     N35294570W080592691                      W0072     NAR           NELLA
        SUSAEAENRT   RUDKY K70    C     N35325452W080594328                      W0072     NAR           RUDKY
        SUSAEAENRT   WOVEN K70    C     N35263689W080591056                      W0072     NAR           WOVEN

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLTK7ACLT     0     100YHN35124980W080565460W007000748         1800018000C    MNAR    CHARLOTTE/DOUGLAS INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLTK7FR18RZ ARUDKY 010RUDKYK7EA0E  A    IF                                  + 07000     18000                 A PS
        SUSAP KCLTK7FR18RZ ARUDKY 020NELLAK7EA0E    010TF                      18290032    + 06000                           A PS
        SUSAP KCLTK7FR18RZ ARUDKY 030WOVENK7EA0EE B 010TF                      18300032    + 05000                           A PS
        SUSAP KCLTK7FR18RZ R      010WOVENK7EA0E  I    IF                                  + 05000     18000                 A PS
        SUSAP KCLTK7FR18RZ R      011EMERSK7EA0E S  010TF                      18300032    + 04000                           A PS
        SUSAP KCLTK7FR18RZ R      020JHUNTK7EA1E  F 010TF                      18300032    + 03000                 RW18RBK7PGA PS
        SUSAP KCLTK7FR18RZ R      020JHUNTK7EA2W                                                A031A112                      PS
        SUSAP KCLTK7FR18RZ R      030RW18RK7PG0GY M 031TF                      18300068      00790             -300          A PS
        SUSAP KCLTK7FR18RZ R      040LONIAK7EA0EYM  010TF                      18300147    + 03000                           A PS
        SUSAP KCLTK7FR18RZ R      050LONIAK7EA0EE  R020HM                      00300040    + 03000                           A PS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLTK7GRW18R   0090001830 N35133102W080580273+0000    +0196100744000046150R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLTK7SRW18RK7PGB                0   18018003925                                                                   M
```

QUALITY 6 CHECKED

| CITY AND STATE | ELEVATION: 748 TDZE: 744 | FACILITY IDENTIFIER: | PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| CHARLOTTE, NC | AIRPORT NAME: CHARLOTTE/DOUGLAS INTL | RNAV | RNAV (RNP) Z RWY 18R, ORIG<br>11 FEB 2010 | AMDT: NONE<br>DATED: |

U.S. Department of Transportation
Federal Aviation Administration

# RNAV - STANDARD
## INSTRUMENT APPROACH PROCEDURE
## TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

### TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| JEPHS (IF)(40E)(43I) | ATELL (TF)(FB)(RNP 1.00)(40E)(42S) | 235.63 / 7.46 | 4000 |
| ATELL (40E)(42S) | LECAR (TF)(FB)(RNP 1.00)(40E)(43F) | 235.57 / 4.75 | 2500 |
| LECAR (40E)(43F) | RW23 (TF)(FO)(40G)(41Y)(43M) | 235.53 / 5.25 | |
| RW23 (MAP)(40G)(41Y)(43M) | KECKS (TF)(FO)(RNP 1.00)(40E)(41Y)(42M) | 235.48 / 12.63 | 4000 |

### MISSED APPROACH

MAP: DA

CLIMB TO 4000 VIA TRACK 235.48 TO KECKS AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT JEPHS
3. FAC: 235.53 FAF: ____ DIST FAF TO MAP: ____ THLD: ____
4. MIN. ALT: JEPHS 6000, ATELL 4000
5. DIST TO THLD FROM OM: 5.25 MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2500 GS ALT AT: LECAR 2500 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 58.2# 34:1 IS NOT CLEAR
8. MSA FROM: RW23 3900

ADDITIONAL FLIGHT DATA:
HOLD SW, RT, 055.37 INBOUND.
CHART FAS OBST: 893 TOWER 351326N/0805437W, 856 TREE 351351N/0805520W.
DISTANCE TO THLD FROM 344 HAT: 0.90 NM.
ROUTE TYPE: A, R
ROUTE TYPE QUALIFIER 1: P
ROUTE TYPE QUALIFIER 2: S

#TCH 804.9 MSL (DO NOT CHART)

MAG VAR: 7W EPOCH YEAR: 2000

### MINIMUMS

TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | | STANDARD

| CATEGORY ====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/ MDA | VIS | HAT/HAA | DH/ MDA | VIS | HAT/HAA | DH/ MDA | VIS | HAT/HAA | DH/ MDA | VIS | HAT/HAA | DH/ MDA | VIS | HAT/HAA |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED | | | | | | | | | | | | | | | |
| RNP 0.11 DA | 1091 | 6000 | 344 | 1091 | 6000 | 344 | 1091 | 6000 | 344 | 1091 | 6000 | 344 | | | |
| RNP 0.30 DA | 1219 | 1 1/2 | 472 | 1219 | 1 1/2 | 472 | 1219 | 1 1/2 | 472 | 1219 | 1 1/2 | 472 | | | |
| | | | | | | | | | | | | | | | |

NOTES: CHART NOTES: GPS REQUIRED. FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -10C (14F) OR ABOVE 47C (117F). VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
CHART PLANVIEW NOTE: RADAR REQUIRED.

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 748 TDZE: 747 / AIRPORT NAME: | FACILITY IDENTIFIER: | PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| CHARLOTTE, NC | CHARLOTTE/DOUGLAS INTL | RNAV | 11 FEB 2010 RNAV (RNP) Z RWY 23, ORIG | AMDT: NONE |
| | | | | DATE |

**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**

# RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. *Altitudes are minimum altitudes unless otherwise indicated.* Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (RNP)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ATELL K70    C     N35195943W080464306                    W0073     NAR           ATELL
        SUSAEAENRT   JEPHS K70    C     N35245589W080395248                    W0074     NAR           JEPHS
        SUSAEAENRT   KECKS K70    C     N35045756W081072373                    W0070     NAR           KECKS
        SUSAEAENRT   LECAR K70    C     N35165032W080510425                    W0072     NAR           LECAR

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLTK7ACLT     0     100YHN35124980W080565460W007000748         1800018000C    MNAR    CHARLOTTE/DOUGLAS INTL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLTK7FR23-Z R      010JEPHSK7EA0E  I    IF                                + 06000     18000                A PS
        SUSAP KCLTK7FR23-Z R      011ATELLK7EA0E S  010TF                  23560075     + 04000                          A PS
        SUSAP KCLTK7FR23-Z R      020LECARK7EA1E   F 010TF                 23560048     + 02500                RW23 BK7PGA PS
        SUSAP KCLTK7FR23-Z R      020LECARK7EA2W                                          A031A112                       PS
        SUSAP KCLTK7FR23-Z R      030RW23 K7PG0GY M 031TF                  23550053       00805             -300          A PS
        SUSAP KCLTK7FR23-Z R      040KECKSK7EA0EYM  010TF                  23550126     + 04000                          A PS
        SUSAP KCLTK7FR23-Z R      050KECKSK7EA0EE   R020HM                 05540040     + 04000                          A PS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLTK7GRW23     0075022355 N35132142W080555212-0500     +01971007470000581501

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLTK7SRW23 K7PGB               0    18018003925                                                              M
```

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 748 TDZE: 747 | FACILITY IDENTIFIER: | PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| CHARLOTTE, NC | AIRPORT NAME: CHARLOTTE/DOUGLAS INTL | RNAV | RNAV (RNP) Z RWY 23, ORIG<br>11 FEB 2010 | AMDT: NONE<br>DATED: |

U.S. Department of Transportation
Federal Aviation Administration

# RNAV - STANDARD
## INSTRUMENT APPROACH PROCEDURE
## TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**TERMINAL ROUTES**

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| SOLMN (IAF)(40E)(43A) | KRISL (TF)(FB)(RNP 1.00)(40E) | 002.98 / 3.15 | 7000 |
| KRISL (40E) | HUNEX (TF)(FB)(RNP 1.00)(40E) | 002.98 / 3.15 | 6000 |
| HUNEX (40E) | FORET (TF)(FB)(RNP 1.00)(40E) | 002.97 / 3.15 | 5000 |
| FORET (40E) | MARJO (TF)(FB)(RNP 1.00)(40E) | 002.97 / 3.15 | 4000 |
| MARJO(IF)(40E)(43I) | NIVSE (TF)(FB)(RNP 0.50)(40E)(43F)(42S) | 002.97 / 3.15 | 3000 |
| NIVSE (40E)(42S) | GLASI (TF)(FB)(RNP 0.50)(40E)(43F) | 002.96 / 1.58 | 2500 |
| GLASI (FAF)(40E)(43F) | RW36C (TF)(FO)(40G)(41Y)(43M) | 002.97 / 5.42 | |
| RW36C (MAP)(40G)(41Y)(43M) | TOMME (TF)(FO)(RNP 1.00)(40E)(41Y)(42M) | 002.96 / 14.74 | 3000 |

**MISSED APPROACH**

**MAP: DA**

**CLIMB TO 3000 VIA TRACK 002.96 TO TOMME AND HOLD.**

1. PT NA SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)
2. **PROFILE STARTS AT SOLMN**
3. FAC: **002.97** FAF: DIST FAF TO MAP: _____ THLD: _____
4. MIN. ALT: **SOLMN 8000, KRISL 7000, HUNEX 6000, FORET 5000, MARJO 4000, NIVSE 3000**
5. DIST TO THLD FROM OM: **5.42** MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____
6. MIN GS INCPT: **2500** GS ALT AT: **GLASI 2500** OM: _____ MM: _____ IM: _____
7. GS ANGLE: **3.00** TCH: **57.1#** **34:1 IS CLEAR**
8. MSA FROM: **RW36C 3900**

ADDITIONAL FLIGHT DATA:
**HOLD N, RT, 182.96 INBOUND.**
**CHART FAS OBST: 841 TREE 351101N/0805715W, 799 TREE 351117N/0805712W.**
**DISTANCE TO THLD FROM 333 HAT: 0.91 NM.**
**ROUTE TYPE: A, R**
**ROUTE TYPE QUALIFIER 1: P**
**ROUTE TYPE QUALIFIER 2: S**

**#TCH 749.3 MSL (DO NOT CHART)**

MAG VAR: **7W** EPOCH YEAR: **2000**

**MINIMUMS**

TAKEOFF: | | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | | **STANDARD**

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/ MDA | VIS | HAT/HAA | DH/ MDA | VIS | HAT/HAA | DH/ MDA | VIS | HAT/HAA | DH/ MDA | VIS | HAT/HAA | DH/ MDA | VIS | HAT/HAA |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| **SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED** | | | | | | | | | | | | | | | |
| **RNP 0.11 DA** | **1040** | **4000** | **333** | **1040** | **4000** | **333** | **1040** | **4000** | **333** | **1040** | **4000** | **333** | | | |
| **RNP 0.30 DA** | **1143** | **5000** | **436** | **1143** | **5000** | **436** | **1143** | **5000** | **436** | **1143** | **5000** | **436** | | | |
| | | | | | | | | | | | | | | | |

NOTES: **CHART NOTES: GPS REQUIRED. FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -10C (14F) OR ABOVE 47C (117F). FOR INOPERATIVE MALSR, INCREASE RNP 0.11 VISIBILITY ALL CATS TO RVR 6000 AND RNP 0.30 VISIBILITY ALL CATS TO 1 1/2 MILE.**
**CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.**
**CHART PLANVIEW NOTES: RADAR REQUIRED. AT SOLMN: (RNP 0.50)**

QUALITY 4 CHECKED

| CITY AND STATE | ELEVATION: 748 TDZE: 707 | FACILITY IDENTIFIER: | PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| **CHARLOTTE, NC** | AIRPORT NAME: **CHARLOTTE/DOUGLAS INTL** | **RNAV** | 11 FEB 2010 **RNAV (RNP) Z RWY 36C, ORIG** | AMDT: **NONE** DATE |

**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**

**RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE**

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (RNP)

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   FORET K70    C     N34584267W080555450                    W0071     NAR           FORET
          SUSAEAENRT   GLASI K70    C     N35063530W080563502                    W0071     NAR           GLASI
          SUSAEAENRT   HUNEX K70    C     N34553383W080553835                    W0071     NAR           HUNEX
          SUSAEAENRT   KRISL K70    C     N34522499W080552222                    W0071     NAR           KRISL
          SUSAEAENRT   MARJO K70    C     N35015151W080561067                    W0071     NAR           MARJO
          SUSAEAENRT   NIVSE K70    C     N35050034W080562686                    W0071     NAR           NIVSE
          SUSAEAENRT   SOLMN K70    C     N34491615W080550611                    W0071     NAR           SOLMN
          SUSAEAENRT   TOMME K70    C     N35264330W080581913                    W0072     NAR           TOMME

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KCLTK7ACLT     0     100YHN35124980W080565460W007000748         1800018000C    MNAR    CHARLOTTE/DOUGLAS INTL

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KCLTK7FR36CZ ASOLMN 010SOLMNK7EA0E  A    IF                              + 08000     18000                A PS
          SUSAP KCLTK7FR36CZ ASOLMN 020KRISLK7EA0E    010TF                  00300032     + 07000                          A PS
          SUSAP KCLTK7FR36CZ ASOLMN 030HUNEXK7EA0E    010TF                  00300032     + 06000                          A PS
          SUSAP KCLTK7FR36CZ ASOLMN 040FORETK7EA0E    010TF                  00300032     + 05000                          A PS
          SUSAP KCLTK7FR36CZ ASOLMN 050MARJOK7EA0EE B 010TF                  00300032     + 04000                          A PS
          SUSAP KCLTK7FR36CZ R      010MARJOK7EA0E  I    IF                              + 04000     18000                A PS
          SUSAP KCLTK7FR36CZ R      011NIVSEK7EAJE S  051TF                  00300032     + 03000                          A PS
          SUSAP KCLTK7FR36CZ R      020GLASIK7EA1E  F 051TF                  00300016     + 02500                RW36CBK7PGA PS
          SUSAP KCLTK7FR36CZ R      020GLASIK7EA2W                                        A031A112                         PS
          SUSAP KCLTK7FR36CZ R      030RW36CK7PGJGY M 031TF                  00300054       00749          -300          A PS
          SUSAP KCLTK7FR36CZ R      040TOMMEK7EAJEYM  010TF                  00300147     + 03000                          A PS
          SUSAP KCLTK7FR36CZ R      050TOMMEK7EAJEE  R020HM                  18300040     + 03000                          A PS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KCLTK7GRW36C   0100000030 N35115997W080570292+0500    +0180500692000057150I

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KCLTK7SRW36CK7PGB              0   18018003925                                                              M
```

QUALITY 6 CHECKED

| CITY AND STATE | ELEVATION: 748 TDZE: 707 | FACILITY IDENTIFIER: | PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| CHARLOTTE, NC | AIRPORT NAME: CHARLOTTE/DOUGLAS INTL | RNAV | RNAV (RNP) Z RWY 36C, ORIG<br>11 FEB 2010 | AMDT: NONE |
| | | | | DATED: |

U.S. Department of Transportation
Federal Aviation Administration

# RNAV - STANDARD
## INSTRUMENT APPROACH PROCEDURE
## TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

### TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| WELET (IAF)(40E)(43A) | NUXXY (TF)(FB)(RNP 1.00)(40E) | 002.98 / 3.15 | 6000 |
| NUXXY (40E) | LONIA (TF)(FB)(RNP 1.00)(40E) | 002.97 / 3.15 | 5000 |
| LONIA (40E) | CUNUK (TF)(FB)(RNP 1.00)(40E) (41E) | 002.97 / 3.15 | 4000 |
| CUNUK (IF)(40E)(43I) | DEFOX (TF)(FB)(RNP 0.50)(40E) (42S) | 002.97 / 3.15 | 3000 |
| DEFOX (40E)(42S) | NLSON (TF)(FB)(RNP 0.50)(40E) (43F) | 002.96 / 1.58 | 2500 |
| NLSON (FAF)(40E)(43F) | RW36L (TF)(FO)(40G)(41Y)(43M) | 002.96 / 5.29 | |
| RW36L (MAP)(40G)(41Y)(43M) | WOVEN (TF)(FO)(RNP 1.00)(40E) (41Y)(42M) | 002.96 / 14.59 | 3000 |

### MISSED APPROACH

MAP: DA

CLIMB TO 3000 VIA TRACK 002.96 TO WOVEN AND HOLD.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT WELET
3. FAC: 002.96 FAF: ____ DIST FAF TO MAP: ____ THLD: ____
4. MIN. ALT: WELET 7000, NUXXY 6000, LONIA 5000, CUNUK 4000, DEFOX 3000
5. DIST TO THLD FROM OM: 5.29 MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2500 GS ALT AT: NLSON 2500 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 46.4# 34:1 IS NOT CLEAR
8. MSA FROM: RW36L 3900

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 182.95 INBOUND.
CHART FAS OBST: 799 TREE 351117N/0805711W, 808 TREE 352232N/0805802W.
DISTANCE TO THLD FROM 302 HAT: 0.80 NM.
ROUTE TYPE: A, R
ROUTE TYPE QUALIFIER 1: P
ROUTE TYPE QUALIFIER 2: S

#TCH 790.4 MSL (DO NOT CHART)

MAG VAR: 7W EPOCH YEAR: 2000

### MINIMUMS

TAKEOFF: | | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | | STANDARD

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/ MDA | VIS | HAT/HAA | DH/ MDA | VIS | HAT/HAA | DH/ MDA | VIS | HAT/HAA | DH/ MDA | VIS | HAT/HAA | DH/ MDA | VIS | HAT/HAA |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED | | | | | | | | | | | | | | | |
| RNP 0.11 DA | 1046 | 4000 | 302 | 1046 | 4000 | 302 | 1046 | 4000 | 302 | 1046 | 4000 | 302 | | | |
| RNP 0.30 DA | 1105 | 4000 | 361 | 1105 | 4000 | 361 | 1105 | 4000 | 361 | 1105 | 4000 | 361 | | | |
| | | | | | | | | | | | | | | | |

NOTES: CHART NOTES: GPS REQUIRED. FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -10C (14F) OR ABOVE 47C (117F). VISIBILITY REDUCTION BY HELICOPTERS NA. FOR INOPERATIVE ALSF, INCREASE RNP 0.11 VISIBILITY ALL CATS TO RVR 5000 AND RNP 0.30 VISIBILITY ALL CATS TO RVR 6000.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
CHART PLANVIEW NOTES: RADAR REQUIRED. AT WELET: (RNP 0.50)

QUALITY 4 CHECKED

| CITY AND STATE | ELEVATION: 748 TDZE: 744 | FACILITY IDENTIFIER: | PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| CHARLOTTE, NC | AIRPORT NAME: CHARLOTTE/DOUGLAS INTL | RNAV | 11 FEB 2010 RNAV (RNP) Z RWY 36L, ORIG | AMDT: NONE |
| | | | | DATE |

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

**RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE**

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (RNP)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CUNUK K70    C     N35020155W080570350                      W0071     NAR           CUNUK
        SUSAEAENRT   DEFOX K70    C     N35051039W080571969                      W0071     NAR           DEFOX
        SUSAEAENRT   LONIA K70    C     N34585272W080564733                      W0071     NAR           LONIA
        SUSAEAENRT   NLSON K70    C     N35064507W080572782                      W0071     NAR           NLSON
        SUSAEAENRT   NUXXY K70    C     N34554388W080563118                      W0071     NAR           NUXXY
        SUSAEAENRT   WELET K70    C     N34523503W080561505                      W0071     NAR           WELET
        SUSAEAENRT   WOVEN K70    C     N35263689W080591056                      W0072     NAR           WOVEN

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLTK7ACLT     0     100YHN35124980W080565460W007000748         1800018000C    MNAR    CHARLOTTE/DOUGLAS INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLTK7FR36LZ AWELET 010WELETK7EA0E  A    IF                                  + 07000     18000                 A PS
        SUSAP KCLTK7FR36LZ AWELET 020NUXXYK7EA0E    010TF                      00300032    + 06000                           A PS
        SUSAP KCLTK7FR36LZ AWELET 030LONIAK7EA0E    010TF                      00300032    + 05000                           A PS
        SUSAP KCLTK7FR36LZ AWELET 040CUNUKK7EA0EE B 010TF                      00300032    + 04000                           A PS
        SUSAP KCLTK7FR36LZ R      010CUNUKK7EA0E  I    IF                                  + 04000     18000                 A PS
        SUSAP KCLTK7FR36LZ R      011DEFOXK7EA0E S  051TF                      00300032    + 03000                           A PS
        SUSAP KCLTK7FR36LZ R      020NLSONK7EA1E  F 051TF                      00300016    + 02500                 RW36LBK7PGA PS
        SUSAP KCLTK7FR36LZ R      020NLSONK7EA2W                                                A031A112                      PS
        SUSAP KCLTK7FR36LZ R      030RW36LK7PG0GY M 031TF                      00300053      00790             -300          A PS
        SUSAP KCLTK7FR36LZ R      040WOVENK7EA0EYM  010TF                      00300146    + 03000                           A PS
        SUSAP KCLTK7FR36LZ R      050WOVENK7EA0EE  R020HM                      18300040    + 03000                           A PS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLTK7GRW36L   0090000030 N35120222W080575508+0000    +0196200744000046150R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLTK7SRW36LK7PGB              0   18018003925                                                                        M
```

QUALITY 6 CHECKED

| CITY AND STATE | ELEVATION: 748 TDZE: 744 | FACILITY IDENTIFIER: | PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| CHARLOTTE, NC | AIRPORT NAME: CHARLOTTE/DOUGLAS INTL | RNAV | RNAV (RNP) Z RWY 36L, ORIG<br>11 FEB 2010 | AMDT: NONE<br>DATED: |

U.S. Department of Transportation
Federal Aviation Administration

# RNAV - STANDARD
# INSTRUMENT APPROACH PROCEDURE
# TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| HEKAM (IAF)(40E)(43A) | JENDA (TF)(FB)(RNP 1.00)(40E) | 002.98 / 3.15 | 5000 |
| JENDA (40E) | LANSR (TF)(FB)(RNP 1.00)(40E) (41E) | 002.98 / 3.15 | 4000 |
| LANSR (IF)(40E)(43I) | CIKDU (TF)(FB)(RNP 0.50)(40E) (42S) | 002.98 / 3.15 | 3000 |
| CIKDU (40E)(42S) | HAYOU (TF)(FB)(RNP 0.50)(40E) (43F) | 002.98 / 1.58 | 2500 |
| HAYOU (FAF)(40E)(43F) | RW36R (TF)(FO)(40G)(41Y)(43M) | 002.97 / 5.32 | |
| RW36R (MAP)(40G)(41Y)(43M) | SNAKK (TF)(FO)(RNP 1.00)(40E) (41Y)(42M) | 002.97 / 14.51 | 3000 |

## MISSED APPROACH

MAP: DA

CLIMB TO 3000 VIA TRACK 002.97 TO SNAKK AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD N, RT, 182.96 INBOUND.
CHART FAS OBST: 850 TOWER 351121N/0805541W.
DISTANCE TO THLD FROM 448 HAT: 1.24 NM.
ROUTE TYPE: A, R
ROUTE TYPE QUALIFIER 1: P
ROUTE TYPE QUALIFIER 2: S

#TCH 781.7 MSL (DO NOT CHART)

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT HEKAM
3. FAC: 002.97 FAF: ____ DIST FAF TO MAP: ____ THLD: ____
4. MIN. ALT: HEKAM 6000, JENDA 5000, LANSR 4000, CIKDU 3000
5. DIST TO THLD FROM OM: 5.32 MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2500 GS ALT AT: HAYOU 2500 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 58.2# 34:1 IS NOT CLEAR
8. MSA FROM: RW36R 3900

MAG VAR: 7W EPOCH YEAR: 2000

## MINIMUMS

TAKEOFF: | | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | | STANDARD

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/ MDA | VIS | HAT/HAA | DH/ MDA | VIS | HAT/HAA | DH/ MDA | VIS | HAT/HAA | DH/ MDA | VIS | HAT/HAA | DH/ MDA | VIS | HAT/HAA |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED | | | | | | | | | | | | | | | |
| RNP 0.30 DA | 1175 | 5000 | 448 | 1175 | 5000 | 448 | 1175 | 5000 | 448 | 1175 | 5000 | 448 | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

NOTES: CHART NOTES: GPS REQUIRED. FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -10C (14F) OR ABOVE 47C (117F). VISIBILITY REDUCTION BY HELICOPTERS NA. FOR INOPERATIVE ALSF, INCREASE RNP 0.30 VISIBILITY ALL CATS TO 1 1/2 MILE.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
CHART PLANVIEW NOTES: RADAR REQUIRED. AT HEKAM: (RNP 0.50)

QUALITY 4 CHECKED

| CITY AND STATE | ELEVATION: 748 TDZE: 748 | FACILITY IDENTIFIER: | PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| CHARLOTTE, NC | AIRPORT NAME: CHARLOTTE/DOUGLAS INTL | RNAV | 11 FEB 2010 RNAV (RNP) Z RWY 36R, ORIG | AMDT: NONE |
| | | | | DATE |

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

**RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE**

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (RNP)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CIKDU K70    C     N35050981W080552737                      W0071     NAR           CIKDU
        SUSAEAENRT   HAYOU K70    C     N35064470W080553549                      W0071     NAR           HAYOU
        SUSAEAENRT   HEKAM K70    C     N34554330W080543897                      W0071     NAR           HEKAM
        SUSAEAENRT   JENDA K70    C     N34585214W080545508                      W0071     NAR           JENDA
        SUSAEAENRT   LANSR K70    C     N35020098W080551121                      W0071     NAR           LANSR
        SUSAEAENRT   SNAKK K70    C     N35263312W080571767                      W0072     NAR           SNAKK

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLTK7ACLT     0     100YHN35124980W080565460W007000748         1800018000C    MNAR    CHARLOTTE/DOUGLAS INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLTK7FR36RZ AHEKAM 010HEKAMK7EA0E  A    IF                                  + 06000     18000                 A PS
        SUSAP KCLTK7FR36RZ AHEKAM 020JENDAK7EA0E    010TF                      00300032    + 05000                           A PS
        SUSAP KCLTK7FR36RZ AHEKAM 030LANSRK7EA0EE B 010TF                      00300032    + 04000                           A PS
        SUSAP KCLTK7FR36RZ R      010LANSRK7EA0E  I    IF                                  + 04000     18000                 A PS
        SUSAP KCLTK7FR36RZ R      011CIKDUK7EA0E S  051TF                      00300032    + 03000                           A PS
        SUSAP KCLTK7FR36RZ R      020HAYOUK7EA1E  F 051TF                      00300016    + 02500                 RW36RBK7PGA PS
        SUSAP KCLTK7FR36RZ R      020HAYOUK7EA2W                                                A031                          PS
        SUSAP KCLTK7FR36RZ R      030RW36RK7PG0GY M 031TF                      00300053      00782             -300          A PS
        SUSAP KCLTK7FR36RZ R      040SNAKKK7EA0EYM  010TF                      00300145    + 03000                           A PS
        SUSAP KCLTK7FR36RZ R      050SNAKKK7EA0EE  R020HM                      18300040    + 03000                           A PS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLTK7GRW36R   0086760030 N35120345W080560282+0300    +0190000724000058150I

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLTK7SRW36RK7PGB                0   18018003925                                                                    M
```

QUALITY 6 CHECKED

| CITY AND STATE | ELEVATION: 748 TDZE: 748 | FACILITY IDENTIFIER: | PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| CHARLOTTE, NC | AIRPORT NAME: CHARLOTTE/DOUGLAS INTL | RNAV | RNAV (RNP) Z RWY 36R, ORIG<br>11 FEB 2010 | AMDT: NONE<br>DATED: |

U.S. DEPARTMENT of TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

**(1) TAKEOFF MINIMUMS:**

**RWY 2, STANDARD.**

**RWY 20, 300-1 3/4 OR STANDARD WITH MINIMUM CLIMB OF 204 FT PER NM TO 1000, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT/NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1200 FT PRIOR TO DEPARTURE END OF RUNWAY.**

**(2) TEXTUAL DEPARTURE PROCEDURE:**

**RWY 2 - CLIMB HEADING 016.46 TO 2200 BEFORE PROCEEDING ON COURSE.**

**RWY 20 - CLIMBING RIGHT TURN HEADING 290.00 TO INTERCEPT CLT VOR/DME R-039 OUTBOUND TO 2100 BEFORE PROCEEDING ON COURSE.**

**(3) TAKEOFF OBSTACLE NOTES:**

**NOTE: RWY 2, POLES AND TREES BEGINNING 2624' FROM DER, 688' LEFT OF CENTERLINE, UP TO 45' AGL/784' MSL. TREES BEGINNING 2107' FROM DER, 787' RIGHT OF CENTERLINE, UP TO 24' AGL/783' MSL.**

**NOTE: RWY 20, STREET LIGHTS BEGINNING 3047' FROM DER, 196' RIGHT OF CENTERLINE, UP TO 105' AGL/744' MSL. TREES 1.3 NM FROM DER, 1544' RIGHT OF CENTERLINE, UP TO 100' AGL/849' MSL.**

**(4) CONTROLLING OBSTACLES:**

**RWY 2: 2349 MSL TOWER 353157.00N/0804746.00W.**

**RWY 20: 849 MSL TREES 352123.50N/0804317.20W. 2000 MSL TOWER 351602.00N/0804404.00W.**

QUALITY 2 CHECKED

| (5) City, State | (6) Airport | (7) Effective Date | (8) Amdt. No. |
|---|---|---|---|
| CONCORD, NC | CONCORD RGNL | 11 FEB 2010 | 3 |

U.S. DEPARTMENT of TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

## (1) TAKEOFF MINIMUMS:

**RWY 5, 23 STANDARD.**

## (2) TEXTUAL DEPARTURE PROCEDURE:

## (3) TAKEOFF OBSTACLE NOTES:

**RWY 5: TREES BEGINNING 150' FROM DER, 202' LEFT OF CENTERLINE, UP TO 100' AGL/799' MSL. VEHICLES ON ROAD AND TREES BEGINNING 199' FROM DER, 259' RIGHT OF CENTERLINE, UP TO 100' AGL/789' MSL.**

## (4) CONTROLLING OBSTACLES:

QUALITY 2 CHECKED

| (5) City, State | (6) Airport | (7) Effective Date | (8) Amdt. No. |
|---|---|---|---|
| MONROE, NC | CHARLOTTE-MONROE EXECUTIVE | 11 FEB 2010 | 1 |

U.S. DEPARTMENT of TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

**(1) TAKEOFF MINIMUMS:**

**RWY 3, 21 STANDARD.**

**(2) TEXTUAL DEPARTURE PROCEDURE:**

**RWY 3 - CLIMB HEADING 049.34 TO 2600 BEFORE PROCEEDING WEST OR NORTH.**
**RWY 21 - CLIMB HEADING 214.33 TO 1500 BEFORE PROCEEDING NORTH.**

**(3) TAKEOFF OBSTACLE NOTES:**

**NOTE: RWY 3, TREES BEGINNING 1200' FROM DER, 433' LEFT OF CENTERLINE, UP TO 80' AGL/859' MSL. TREES BEGINNING 162' FROM DER, 371' RIGHT OF CENTERLINE, UP TO 136' AGL/885' MSL.**
**NOTE: RWY 21, ANTENNA AND TREES BEGINNING 269' FROM DER, 210' LEFT OF CENTERLINE, UP TO 101' AGL/880' MSL. TREES BEGINNING 252' FROM DER, 264' RIGHT OF CENTERLINE, UP TO 113' AGL/882' MSL.**

**(4) CONTROLLING OBSTACLES:**

**RWY 3: 2755 MSL TOWER 352049.00N/0811014.00W.**
**RWY 21: 2755 MSL TOWER 352049.00N/0811014.00W.**

QUALITY 2 CHECKED

| (5) City, State | (6) Airport | (7) Effective Date | (8) Amdt. No. |
|---|---|---|---|
| GASTONIA, NC | GASTONIA MUNI | 11 FEB 2010 | 5 |

U.S. DEPARTMENT of TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevations and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated

## (1) TAKEOFF MINIMUMS:

**STANDARD**

## (2) TEXTUAL DEPARTURE PROCEDURE:

## (3) TAKEOFF OBSTACLE NOTES:

**NOTE: RWY 29, TREE 991' FROM DER, 367' LEFT OF CENTERLINE, 38' AGL/982' MSL. TREE 1,073' FROM DER, 221' LEFT OF CENTERLINE, 38' AGL/982' MSL.**

## (4) CONTROLLING OBSTACLES:

QUALITY CHECKED

| (5) City, State | (6) Airport | (7) Effective Date | (8) Amdt. No. |
|---|---|---|---|
| KINDRED, ND | HAMRY FIELD | 11 FEB 2010 | ORIG |

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| VAFKU (IAF) | TIFZY (FB) | 050.65 / 5.17 | 3100 |
| TIFZY (IF) | STATN (FB) | 144.40 / 6.01 | 2100 |

## MISSED APPROACH

LNAV: RW14

CLIMBING RIGHT TURN TO 3700 DIRECT VAFKU AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD SW, RT, 050.65 INBOUND.
CHART FAS OBST: 1203 ANT ON OL MCWV TWR
422933N/0762800W
STATN TO RW14: 3.03/50.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT TIFZY
3. FAC: 144.46 FAF: STATN DIST FAF TO MAP: 3.03 THLD: 3.03
4. MIN. ALT: TIFZY 3100, STATN 2100
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM: RW14 3700

MAG VAR: 12W EPOCH YEAR: 1985

## MINIMUMS

TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | | STANDARD @

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| LNAV MDA | 1500 | 1 | 417 | 1500 | 1 | 417 | 1500 | 1 1/4 | 417 | 1500 | 1 1/4 | 417 | | | |
| CIRCLING | 1520 | 1 | 421 | 1560 | 1 | 461 | 1600 | 1 1/2 | 501 | 1780 | 2 1/4 | 681 | | | |

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT VAFKU VIA V35 SOUTHWEST BOUND.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ELMIRA ALTIMETER SETTING AND INCREASE SEE 8260-10

@ CAT D 800-2 1/4
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY 5 CHECKED

| CITY AND STATE | AIRPORT | FACILITY IDENTIFIER | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | |
|---|---|---|---|---|
| ITHACA, NY | ELEVATION: 1099 TDZE: 1083<br>AIRPORT NAME: ITHACA TOMPKINS RGNL | RNAV | RNAV (GPS) Y RWY 14, ORIG<br>11 FEB 2010 | SUP:<br>AMDT: NONE<br>DATED |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**NOTES CONT.**
**ALL MDA 100 FEET AND INCREASE LNAV CAT C VISIBILITY 1/4 MILE, CAT D VISIBILITY 1/2 MILE, AND INCREASE CIRCLING CATS C AND D VISIBILITY 1/4 MILE.**

QUALITY CHECKED

| CITY AND STATE | | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | |
|---|---|---|---|---|
| **ITHACA, NY** | **ELEVATION: 1099 TDZE: 1083**<br>AIRPORT NAME:<br>**ITHACA TOMPKINS RGNL** | **RNAV** | **RNAV (GPS) Y RWY 14, ORIG**<br>11 FEB 2010 | SUP:<br>AMDT: **NONE**<br>DATED: |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**ARINC PACKET - 424-18 - RNAV (GPS)**

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   STATN K60    W     N42315507W076310797                          NAR          STATN
          SUSAEAENRT   TIFZY K60    W     N42355839W076370805                          NAR          TIFZY
          SUSAEAENRT   VAFKU K60    C   L N42315616W076413036                          NAR          VAFKU

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KITHK6AITH     0     069YHN42292890W076273140W012001099         1800018000C    MNAR    ITHACA TOMPKINS RGNL

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KITHK6FR14-Y AVAFKU 010VAFKUK6EA0E  A    IF                                          18000                B JS
          SUSAP KITHK6FR14-Y AVAFKU 020TIFZYK6EA0EE B 010TF                    05070052    + 03100                          B JS
          SUSAP KITHK6FR14-Y R      010TIFZYK6EA0E  I    IF                               + 03100    18000                B JS
          SUSAP KITHK6FR14-Y R      020STATNK6EA1E  F 051TF                    14440060    + 02100                RW14  K6PGB JS
          SUSAP KITHK6FR14-Y R      020STATNK6EA2WN         N          ALNAV                                                JS
          SUSAP KITHK6FR14-Y R      030RW14 K6PG0GY M 031TF                    14450030      01127          -303            B JS
          SUSAP KITHK6FR14-Y R      040VAFKUK6EA0EYM R010DF                               + 03700                          B JS
          SUSAP KITHK6FR14-Y R      050VAFKUK6EA0EE  R020HM                    05070040    + 03700                          B JS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KITHK6GRW14     0069771445 N42295219W076280659+0300     +0295001077000050150R

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KITHK6SRW14 K6PG              0   18018003725                                                              M
```

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 1099 TDZE: 1083 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| ITHACA, NY | AIRPORT NAME: ITHACA TOMPKINS RGNL | RNAV | RNAV (GPS) Y RWY 14, ORIG 11 FEB 2010 | AMDT: NONE |
| | | | | DATED: |

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| VAFKU (IAF) | TIFZY (FB) | 050.65 / 5.17 | 3100 |
| TIFZY (IF) | STATN (FB) | 144.40 / 6.01 | 2100 |

## MISSED APPROACH

LPV: DA

CLIMB TO 3800 DIRECT HUBTU AND VIA TRACK 208.41 TO MESTE AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD NW, LT, 132.35 INBOUND.
DISTANCE TO THLD FROM 323 HAT: 0.88 NM.
WAAS CHANNEL # 50415
REFERENCE PATH ID: W14A

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT TIFZY
3. FAC: 144.46 FAF: ____ DIST FAF TO MAP: ____ THLD: ____
4. MIN. ALT: TIFZY 3100, STATN 2100
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2100 GS ALT AT: STATN OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 50.0 34:1 IS NOT CLEAR
8. MSA FROM: RW14 3700

MAG VAR: 12W EPOCH YEAR: 1985

## MINIMUMS

TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | | STANDARD @

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| LPV DA | 1406 | 1 1/4 | 323 | 1406 | 1 1/4 | 323 | 1406 | 1 1/4 | 323 | 1406 | 1 1/4 | 323 | | | |
| CIRCLING | 1520 | 1 1/4 | 421 | 1560 | 1 1/4 | 461 | 1600 | 1 1/2 | 501 | 1780 | 2 1/4 | 681 | | | |

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT VAFKU VIA V35 SOUTHWEST BOUND.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ELMIRA ALTIMETER SETTING AND INCREASE SEE 8260-10.

@ CAT D 800-2 1/4
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY 5 CHECKED

| CITY AND STATE | AIRPORT | FACILITY IDENTIFIER | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | |
|---|---|---|---|---|
| ITHACA, NY | ELEVATION: 1099 TDZE: 1083<br>AIRPORT NAME: ITHACA TOMPKINS RGNL | RNAV | RNAV (GPS) Z RWY 14, ORIG<br>11 FEB 2010 | SUP:<br>AMDT: NONE<br>DATED |

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) - STANDARD**
**INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**NOTES CONT.**
**ALL DA 84 FEET, ALL MDA 100 FEET AND INCREASE LPV VISIBILITY ALL CATS 1/4 MILE, AND INCREASE CIRCLING ALL CATS VISIBILITY 1/4 MILE.**
**CHART NOTE: CIRCLING REQUIRES DESCENT ON GLIDEPATH TO CMDA.**

QUALITY CHECKED

| CITY AND STATE | | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | |
|---|---|---|---|---|
| **ITHACA, NY** | **ELEVATION: 1099 TDZE: 1083**<br>AIRPORT NAME:<br>**ITHACA TOMPKINS RGNL** | **RNAV** | **RNAV (GPS) Z RWY 14, ORIG**<br>11 FEB 2010 | SUP:<br>AMDT: **NONE**<br>DATED: |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## FAS DATA BLOCK INFORMATION

| DATA FIELD | DATA |
|---|---|
| OPERATION TYPE | 0 |
| SBAS SERVICE PROVIDER IDENTIFIER | 0 |
| AIRPORT IDENTIFIER | KITH |
| RUNWAY | RW14 |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | Z |
| REFERENCE PATH DATA SELECTOR | 0 |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | W14A |
| LTP/FTP LATITUDE | 422952.1940N |
| LTP/FTP LONGITUDE | 0762806.5905W |
| LTP/FTP ELLIPSOIDAL HEIGHT | +02950 |
| FPAP LATITUDE | 422851.9700N |
| FPAP LONGITUDE | 0762637.8100W |
| THRESHOLD CROSSING HEIGHT (TCH) | 00050.0 |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F |
| GLIDEPATH ANGLE (GPA) | 03.00 |
| COURSE WIDTH AT THRESHOLD | 106.75 |
| LENGTH OFFSET | 0624 |
| HORIZONTAL ALERT LIMIT (HAL) | 40.0 |
| VERTICAL ALERT LIMIT (VAL) | 50.0 |
| CRC REMAINDER | 6EE422CE |

## ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|---|---|
| ICAO CODE | K6 |
| LTP ORTHOMETRIC HEIGHT | +03281 |
| FPAP ORTHOMETRIC HEIGHT | +03281 |

QUALITY CHECK

| CITY AND STATE | | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | |
|---|---|---|---|---|
| ITHACA, NY | ELEVATION: 1099 TDZE: 1083<br>AIRPORT NAME: ITHACA TOMPKINS RGNL | RNAV | RNAV (GPS) Z RWY 14, ORIG<br>11 FEB 2010 | SUP:<br>AMDT: NONE<br>DATED: |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**ARINC PACKET - 424-18 - RNAV (GPS)**

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   HUBTU K60    W     N42274645W076250132                          NAR          HUBTU
          SUSAEAENRT   MESTE K60    C   L N42182155W076284545                          NAR          MESTE
          SUSAEAENRT   STATN K60    W     N42315507W076310797                          NAR          STATN
          SUSAEAENRT   TIFZY K60    W     N42355839W076370805                          NAR          TIFZY
          SUSAEAENRT   VAFKU K60    C   L N42315616W076413036                          NAR          VAFKU

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KITHK6AITH     0     069YHN42292890W076273140W012001099         1800018000C    MNAR    ITHACA TOMPKINS RGNL

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KITHK6FR14-Z AVAFKU 010VAFKUK6EA0E  A    IF                                                18000                A JS
          SUSAP KITHK6FR14-Z AVAFKU 020TIFZYK6EA0EE B 010TF                    05070052    + 03100                                A JS
          SUSAP KITHK6FR14-Z R      010TIFZYK6EA0E  I    IF                               + 03100     18000                      A JS
          SUSAP KITHK6FR14-Z R      020STATNK6EA1E  F 051TF                    14440060    + 02100                 RW14  K6PGA JS
          SUSAP KITHK6FR14-Z R      020STATNK6EA2WALPV       N          N                                                       JS
          SUSAP KITHK6FR14-Z R      030RW14 K6PG0GY M 031TF                    14450030      01127             -300           A JS
          SUSAP KITHK6FR14-Z R      040HUBTUK6EA0E M  010DF                                                                 A JS
          SUSAP KITHK6FR14-Z R      050MESTEK6EA0EY   010TF                    2084        + 03800                            A JS
          SUSAP KITHK6FR14-Z R      060MESTEK6EA0EE  L020HM                    13240040    + 03800                            A JS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KITHK6GRW14    0069771445 N42295219W076280659+0300    +029500107700005015OR

          1         2         3         4         5         6         7         8         9         0         1         2         3
PP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KITHK6PR14-Z RW14 001Z0000W14A0N4229521940W07628065905+029500300N4228519700W076263781001067506240005O0F4005006EE422CE
          SUSAP KITHK6PR14-Z RW14 002E      +03281+03281LPV       50415
```

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 1099 TDZE: 1083 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| ITHACA, NY | AIRPORT NAME: ITHACA TOMPKINS RGNL | RNAV | RNAV (GPS) Z RWY 14, ORIG 11 FEB 2010 | AMDT: NONE |
| | | | | DATED: |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KITHK6SRW14 K6PG                0   18018003725                                                                M
```

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 1099 TDZE: 1083 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| ITHACA, NY | AIRPORT NAME: ITHACA TOMPKINS RGNL | RNAV | RNAV (GPS) Z RWY 14, ORIG 11 FEB 2010 | AMDT: NONE |
| | | | | DATED: |

**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**
**VOR STANDARD INSTRUMENT APPROACH PROCEDURE**
**FLIGHT STANDARDS SERVICE - FAR PART 97.23**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**TERMINAL ROUTES**

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| | | | |

**MISSED APPROACH**

**MAP: ITH VOR/DME**

**CLIMBING LEFT TURN TO 3200 VIA HEADING 314 THEN DIRECT ITH VOR/DME AND HOLD.**

ADDITIONAL FLIGHT DATA:

**HOLD NW, LT, 134.00 INBOUND.**
**CHART FAS OBST: 1203 ANT ON OL MCWV TWR 422933N/0762800W**
**CHART 3200 PRIOR TO ITH VOR/DME IN PROFILE.**
**FAC CROSSES RWY C/L EXTENDED 2926 FROM THLD.**

1. PT **R** SIDE OF COURSE **314.00** OUTBOUND **2800** FT WITHIN **10** MILES OF **ITH VOR/DME** (IAF)
2.
3. FAC **134.00** FAF DIST FAF TO MAP THLD
4. MIN. ALT **ESEBY/ITH 2.40 DME 1700##**
8. MSA FROM: **ITH VOR/DME 3700**

MAG VAR: **10W** EPOCH YEAR:**1965**

**MINIMUMS**

TAKEOFF: | STANDARD | **X** | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | | **STANDARD @**

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA |
| S-14 | 1700 | 1 | 617 | 1700 | 1 | 617 | 1700 | 1 3/4 | 617 | 1700 | 2 | 617 | | | |
| CIRCLING | 1700 | 1 | 601 | 1700 | 1 | 601 | 1700 | 1 3/4 | 601 | 1780 | 2 1/4 | 681 | | | |
| **ESEBY FIX MINIMUMS** | | | | | | | | | | | | | | | |
| S-14 | 1520 | 1 | 437 | 1520 | 1 | 437 | 1520 | 1 1/4 | 437 | 1520 | 1 1/2 | 437 | | | |
| CIRCLING | 1520 | 1 | 421 | 1560 | 1 | 461 | 1600 | 1 1/2 | 501 | 1780 | 2 1/4 | 681 | | | |

NOTES:

**CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.**
**CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ELMIRA ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET AND INCREASE S-14 CATS C AND D VISIBILITY 1/4 MILE, INCREASE CIRCLING CATS C AND D 1/4 MILE, ESEBY FIX MINIMUMS INCREASE S-14 CATS C AND D VISIBILITY 1/4 MILE, AND INCREASE**
**SEE 8260-10**

**@ CAT D 800-2 1/4**
**@ NA WHEN LOCAL WEATHER NOT AVAILABLE.**

| CITY AND STATE | | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP | VOR OR GPS RWY 14 |
|---|---|---|---|---|---|
| ITHACA, NY | **ELEVATION: 1099 TDZE: 1083**<br>AIRPORT NAME:<br>**ITHACA TOMPKINS REGIONAL** | ITH | **VOR RWY 14, AMDT 14**<br>11 FEB 2010 | AMDT | 13 |
| | | | | DATE | 11/23/2006 |

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

**VOR STANDARD INSTRUMENT APPROACH PROCEDURE**
**FLIGHT STANDARDS SERVICE - - FAR PART 97.23**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**NOTES CONT.**
**CIRCLING CATS C AND D VISIBILITY 1/4 MILE.**
**CHART PROFILE NOTE: ## 1800 WHEN USING ELMIRA ALTIMETER SETTING.**

QUALITY

| CITY AND STATE | | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | |
|---|---|---|---|---|
| **ITHACA, NY** | **ELEVATION: 1099 TDZE: 1083**<br>AIRPORT NAME:<br>**ITHACA TOMPKINS REGIONAL** | **ITH** | **VOR RWY 14, AMDT 14**<br>11 FEB 2010 | SUP: **VOR OR GPS RWY 14**<br>AMDT: **13**<br>DATED: **11/23/2006** |

**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**
**VOR STANDARD INSTRUMENT APPROACH PROCEDURE**
**FLIGHT STANDARDS SERVICE - FAR PART 97.23**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| | | | |

## MISSED APPROACH

**MAP: ITH VOR/DME**

**CLIMBING RIGHT TURN TO 3400 IN ITH VOR/DME HOLDING PATTERN.**

ADDITIONAL FLIGHT DATA:

**HOLD SE, RT, 329.00 INBOUND.**
**CHART FAS OBST: 2139 TOWER 422754N/0762223W**
**CHART VDP AT 4.73 DME;**
**DISTANCE VDP TO THLD 3.97 MILES.**
**FAC CROSSES RWY C/L EXTENDED 2382 FROM THLD.**

1. PT **L** SIDE OF COURSE **149.00** OUTBOUND **3400** FT WITHIN **10** MILES OF **ITH VOR/DME** (IAF)
2.
3. FAC **329.00** FAF DIST FAF TO MAP THLD
4. MIN. ALT
8. MSA FROM: **ITH VOR/DME 3700**

MAG VAR: **10W** EPOCH YEAR: **1965**

## MINIMUMS

TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: NA | @

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA |
| S-32 | 2500 | 6000 | 1401 | 2500 | 1 1/2 | 1401 | 2500 | 2 1/2 | 1401 | 2500 | 2 1/2 | 1401 | | | |
| CIRCLING | 2500 | 1 1/4 | 1401 | 2500 | 1 1/2 | 1401 | 2500 | 3 | 1401 | 2500 | 3 | 1401 | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

NOTES:

**CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO CATS A AND B.**
**CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.**
**CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ELMIRA ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET.**
**CHART NOTE: VDP NA WHEN USING ELMIRA ALTIMETER SETTING.**

**@ CAT A, B 1500-2, CAT C, D 1500-3**
**@ NA WHEN LOCAL WEATHER NOT AVAILABLE.**

QUALITY 6 CHECKED

| CITY AND STATE | AIRPORT | FACILITY IDENTIFIER | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | |
|---|---|---|---|---|
| **ITHACA, NY** | **ELEVATION: 1099 TDZE: 1099**<br>AIRPORT NAME:<br>**ITHACA TOMPKINS REGIONAL** | ITH | **VOR RWY 32, AMDT 2**<br>11 FEB 2010 | SUP **VOR OR GPS RWY 32**<br>AMDT **1A**<br>DATE **10/23/2008** |

**FAA FORM 8260-5 / December 2002 (computer generated)**

U.S. DEPARTMENT of TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

## (1) TAKEOFF MINIMUMS:

**RWY 9, 500-2 1/4 WITH MINIMUM CLIMB OF 260 FT PER NM TO 900 OR 1600-2 1/2 FOR CLIMB IN VISUAL CONDITIONS.**

**RWY 27, 500-2 1/2 WITH MINIMUM CLIMB OF 280 FT PER NM TO 2700 OR STANDARD WITH MINIMUM CLIMB OF 570 FT PER NM TO 1300 OR 1600-2 1/2 FOR CLIMB IN VISUAL CONDITIONS.**

## (2) TEXTUAL DEPARTURE PROCEDURE:

**RWY 9 - CLIMB HEADING 089.71 TO 900 BEFORE PROCEEDING ON COURSE OR FOR CLIMB IN VISUAL CONDITIONS, CROSS ANTONIO RIVERA RODRIQUEZ AIRPORT AT OR ABOVE 1500 BEFORE PROCEEDING ON COURSE.**

**RWY 27 - CLIMB HEADING 269.71 TO 2700 BEFORE PROCEEDING ON COURSE OR FOR CLIMB IN VISUAL CONDITIONS, CROSS ANTONIO RIVERA RODRIQUEZ AIRPORT AT OR ABOVE 1500 BEFORE PROCEEDING ON COURSE.**

## (3) TAKEOFF OBSTACLE NOTES:

**NOTE: RWY 9, VEHICLES ON ROADWAY BEGINNING 26' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 15' AGL/80' MSL. TREES BEGINNING 70' FROM DER, 504' RIGHT OF CENTERLINE, UP TO 100' AGL/165' MSL. TREES BEGINNING 579' FROM DER, ON CENTERLINE, UP TO 100' AGL/165' MSL. TREES BEGINNING 1750' FROM DER, 956' RIGHT OF CENTERLINE UP TO 100' AGL/493' MSL.**
**NOTE: RWY 27, TREES BEGINNING 15' FROM DER, 225' LEFT OF CENTERLINE, UP TO 100' AGL/165' MSL. TREES BEGINNING 16' FROM DER, 274' RIGHT OF CENTERLINE, UP TO 100' AGL/165' MSL. TREES BEGINNING 186' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100' AGL/165' MSL. TREES BEGINNING 1206' FROM DER, 794' LEFT OF CENTERLINE, UP TO 100' AGL/493' MSL.**

## (4) CONTROLLING OBSTACLES:

**RWY 9: 231 TREE 180804.98N-0652855.38W, 493 TREE 180804.15N-0652829.19W, 705 TOWER 180744.00N-0652822.00W.**
**RWY 27: 231 TREE 180743.54N-0653021.09W, 211 TREE 180734.00N-0653040.00W, 231 TREE 180730.97N-0653045.84W, 3794 AAO 181619.16N-0654925.66W.**
**VCOA: 3794 AAO 181619.16N-0654925.66W.**

| (5) City, State | (6) Airport | (7) Effective Date | (8) Amdt. No. |
|---|---|---|---|
| ISLA DE VIEQUES, PR | ANTONIO RIVERA RODRIQUEZ | 11 FEB 2010 | 2 |

U.S. DEPARTMENT of TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

**(1) TAKEOFF MINIMUMS:**

**RWY 2, 20 STANDARD.**

**(2) TEXTUAL DEPARTURE PROCEDURE:**

**(3) TAKEOFF OBSTACLE NOTES:** **NOTE: RWY 2, TREES BEGINNING 99' FROM DER, 174' RIGHT OF CENTERLINE, UP TO 102' AGL/747' MSL.**

**(4) CONTROLLING OBSTACLES:**

QUALITY 2 CHECKED

| (5) City, State | (6) Airport | (7) Effective Date | (8) Amdt. No. |
|---|---|---|---|
| ROCK HILL, SC | ROCK HILL/YORK CO/BRYANT FIELD | 11 FEB 2010 | 1 |

**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**

**GPS STANDARD INSTRUMENT APPROACH PROCEDURE**

**FLIGHT STANDARDS SERVICE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**TERMINAL ROUTES**

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| | | | |

**MISSED APPROACH**

ADDITIONAL FLIGHT DATA:

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. ____
3. FAC ____ FAF ____ DIST FAF TO MAP ____ THLD ____
4. MIN. ALT ____
8. MSA FROM:

MAG VAR: EPOCH YEAR:

TAKEOFF: | STANDARD | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: NA |

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

NOTES:

11 FEB 2010

**PROCEDURE CANCELED EFFECTIVE** ____

| CITY AND STATE | | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | |
|---|---|---|---|---|
| **WALTERBORO, SC** | **ELEVATION: 101 TDZE: 96**<br>AIRPORT NAME:<br>**LOWCOUNTRY REGIONAL** | **GPS** | **GPS RWY 5, ORIG-B, 04/01/2008** | SUP<br>AMDT **ORIG-A**<br>DATE **04/18/2000** |

**FAA FORM 8260-5 / December 2002 (computer generated)**

**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**

**GPS STANDARD INSTRUMENT APPROACH PROCEDURE**

**FLIGHT STANDARDS SERVICE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**TERMINAL ROUTES**

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| | | | |

**MISSED APPROACH**

ADDITIONAL FLIGHT DATA:

1. PT ____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)
2. _____
3. FAC _____ FAF _____ DIST FAF TO MAP _____ THLD _____
4. MIN. ALT _____
8. MSA FROM:

MAG VAR: EPOCH YEAR:

TAKEOFF: | STANDARD | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A |

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

NOTES:

11 FEB 2010

**PROCEDURE CANCELED EFFECTIVE** _____

| CITY AND STATE | | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | |
|---|---|---|---|---|
| **WALTERBORO, SC** | **ELEVATION: 101 TDZE: 93**<br>AIRPORT NAME:<br>**LOWCOUNTRY REGIONAL** | **GPS** | **GPS RWY 17, ORIG-A, 05/08/2008** | SUP<br>AMDT **ORIG**<br>DATE **05/20/1999** |

**FAA FORM 8260-5 / December 2002 (computer generated)**

**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**

**GPS STANDARD INSTRUMENT APPROACH PROCEDURE**

**FLIGHT STANDARDS SERVICE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**TERMINAL ROUTES**

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| | | | |

**MISSED APPROACH**

ADDITIONAL FLIGHT DATA:

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. ____
3. FAC ____ FAF ____ DIST FAF TO MAP ____ THLD ____
4. MIN. ALT ____
8. MSA FROM:

MAG VAR: EPOCH YEAR:

TAKEOFF: | STANDARD | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A |

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

NOTES:

11 FEB 2010

**PROCEDURE CANCELED EFFECTIVE** ____

| CITY AND STATE | | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | |
|---|---|---|---|---|
| **WALTERBORO, SC** | **ELEVATION: 101 TDZE: 95**<br>AIRPORT NAME:<br>**LOWCOUNTRY REGIONAL** | **GPS** | **GPS RWY 35, ORIG-A, 05/08/2008** | SUP<br>AMDT **ORIG**<br>DATE **05/20/1999** |

**FAA FORM 8260-5 / December 2002 (computer generated)**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# ILS - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| GISTS INT/CHS 15.72 DME (IAF) | LAMKE INT/I-RBW 12.61 DME (NOPT) | 300.08 / 8.53 (CHS R-300) | 2100 |
| LAMKE INT/12.61 DME (IF/IAF) | DOTMY/6.26 DME | 229.06 / 6.35 (I-RBW) | 1800 |

## MISSED APPROACH

ILS: DA
LOC: I-RBW 1.13 DME FIX

CLIMB TO 1100 THEN CLIMBING RIGHT TURN TO 2100 DIRECT RBW NDB AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 1100 THEN CLIMBING RIGHT TURN TO 2000 VIA VAN VORTAC R-209 TO STOAS INT AND HOLD SW, RT, 29.28 INBOUND.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NE LAMKE, RT, 229.06 INBOUND, 2100 FT. IN LIEU OF PT (IAF)
3. FAC: 229.06 FAF: DOTMY/6.26 DME DIST FAF TO MAP: ____ THLD: 5.13
4. MIN. ALT: LAMKE 2100, DOTMY 1800
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 876
6. MIN GS INCPT: 1800 GS ALT AT: DOTMY/6.26 DME 1800 OM: - MM: - IM: -
7. GS ANGLE: 3.00 TCH: 42.8
8. MSA FROM: RBW NDB 2400

ADDITIONAL FLIGHT DATA:
HOLD NE, RT, 243.96 INBOUND.
CHART: ALTERNATE MA HOLDING, HOLD SW STOAS INT, RT, 029.28 INBOUND.
CHART FAS OBST: 195 TREE 325608N/0803719W
CHART BEAUFORT 3 MOA.
CHART VDP AT 2.12 DME;
DISTANCE VDP TO THLD 0.99 MILES.
CHART IN PLANVIEW: STOAS INT.
CHART IN PLANVIEW: CHS 24.3 DME AT LAMKE INT.

MAG VAR: 5W EPOCH YEAR: 1990

## MINIMUMS

TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | X |

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| S-ILS 23 | 301 | 3/4 | 200 | 301 | 3/4 | 200 | 301 | 3/4 | 200 | 301 | 3/4 | 200 | | | |
| S-LOC 23 | 460 | 3/4 | 359 | 460 | 3/4 | 359 | 460 | 3/4 | 359 | 460 | 1 1/4 | 359 | | | |
| CIRCLING | 620 | 1 | 519 | 620 | 1 | 519 | 640 | 1 1/2 | 539 | 680 | 2 | 579 | | | |

NOTES:
CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 5 NA AT NIGHT.
CHART NOTE: ADF REQUIRED.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CHARLESTON ALTIMETER SETTING AND INCREASE DA TO 379 AND ALL MDA 80 FEET; INCREASE S-ILS 23 ALL CATS VISIBILITY, S-LOC 23 CAT D
SEE 8260-10

| CITY AND STATE | ELEVATION: 101 TDZE: 101 AIRPORT NAME: | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| WALTERBORO, SC | LOWCOUNTRY REGIONAL | I-RBW | ILS OR LOC/DME RWY 23, ORIG 11 FEB 2010 | AMDT: NONE DATED |

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

**ILS - STANDARD**
**INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**NOTES CONT.**
**VISIBILITY, AND CIRCLING CAT C VISIBILITY 1/4 MILE; INCREASE S-LOC 23 CAT C VISIBILITY 1/2 MILE.**
**CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-LOC 23 CAT C WHEN USING CHARLESTON ALTIMETER SETTING.**
**CHART NOTE: VDP NA WHEN USING CHARLESTON ALTIMETER SETTING.**

| CITY AND STATE | | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| **WALTERBORO, SC** | **ELEVATION: 101 TDZE: 101**<br>AIRPORT NAME:<br>**LOWCOUNTRY REGIONAL** | **I-RBW** | **ILS OR LOC/DME RWY 23, ORIG**<br>11 FEB 2010 | AMDT: **NONE**<br>DATED: |

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

NDB STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97.27

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| OWENS INT/SAV VORTAC 44.43 DME | RBW NDB | 050.95 / 10.60 | 2100 |
| ALD VOR | RBW NDB | 099.78 / 33.32 | 6000 |
| SACKS INT/CHS VORTAC 32.80 DME | RBW NDB | 188.10 / 11.95 | 2100 |
| GISTS INT/CHS VORTAC 15.72 DME | RBW NDB | 258.51 / 16.85 | 2100 |

## MISSED APPROACH

MAP: RBW NDB

CLIMB TO 1100 THEN CLIMBING RIGHT TURN TO 2100 DIRECT RBW NDB AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD NE, RT, 243.96 INBOUND.
CHART FAS OBST: 306 TOWER 325604N/0803514W
CHART BEAUFORT 3 MOA.
CHART: TDZE 101, APT ELEV 101
FAC CROSSES RWY C/L EXTENDED 3096 FROM THLD.

1. PT L SIDE OF COURSE 063.96 OUTBOUND 2100 FT WITHIN 10 MILES OF RBW NDB (IAF)
2.
3. FAC 243.96 FAF DIST FAF TO MAP THLD
4. MIN. ALT
8. MSA FROM: RBW NDB 2400

MAG VAR: 5W EPOCH YEAR:1990

## MINIMUMS

TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | | STANDARD @

| CATEGORY ====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA |
| S-23 | 660 | 3/4 | 559 | 660 | 3/4 | 559 | 660 | 1 1/2 | 559 | 660 | 1 3/4 | 559 | | | |
| CIRCLING | 660 | 1 | 559 | 660 | 1 | 559 | 660 | 1 1/2 | 559 | 680 | 2 | 579 | | | |

NOTES:

CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 5 NA AT NIGHT.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-23 CAT C.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CHARLESTON ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET; INCREASE S-23 CATS C AND D AND CIRCLING CAT C VISIBILITY 1/4 MILE.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

| CITY AND STATE | ELEVATION: 101 TDZE: 101 | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP |
|---|---|---|---|---|
| WALTERBORO, SC | AIRPORT NAME: LOWCOUNTRY REGIONAL | RBW | NDB RWY 23, AMDT 12 11 FEB 2010 | AMDT 11A DATE 06/11/1998 |

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| CHS VORTAC | VADSY (FB) | 258.99 / 36.21 | 2500 |
| ALD VOR | VUKBY (FB) | 120.40 / 23.75 | 2000 |
| VADSY (IAF) | MUTCY (FB) | 319.02 / 5.00 | 2000 |
| VUKBY (IAF) | MUTCY (FB) | 138.94 / 5.00 | 2000 |
| MUTCY (IF) | LIBME (FB) | 048.98 / 6.16 | 1700 |

## MISSED APPROACH

LNAV: RW05

CLIMB TO 2100 DIRECT LAMKE AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD NE, RT, 229.15 INBOUND.
CHART FAS OBST: 283 TOWER 325413N/0804017W
CHART 363 TOWER 325255N/0804116W.
CHART BEAUFORT 2 MOA, BEAUFORT 3 MOA.
LIBME TO RW05: 3.04/50.
CHART: TDZE 97, APT ELEV 101

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT MUTCY
3. FAC: 049.02 FAF: LIBME DIST FAF TO MAP: 4.84 THLD: 4.84
4. MIN. ALT: MUTCY 2000, LIBME 1700, REFOK/2.70 NM TO RW05 1000
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM: RW05 2400

MAG VAR: 5W EPOCH YEAR: 1990

## MINIMUMS

TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | | STANDARD @

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| LNAV MDA | 540 | 1 | 443 | 540 | 1 | 443 | 540 | 1 1/4 | 443 | 540 | 1 1/2 | 443 | | | |
| CIRCLING | 620 | 1 | 519 | 620 | 1 | 519 | 640 | 1 1/2 | 539 | 680 | 2 | 579 | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

NOTES:
CHART NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 5 PROCEDURE NA AT NIGHT.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

| CITY AND STATE | ELEVATION: 101 TDZE: 97 | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| WALTERBORO, SC | AIRPORT NAME: LOWCOUNTRY REGIONAL | RNAV | RNAV (GPS) RWY 5, ORIG 11 FEB 2010 | AMDT: NONE |
| | | | | DATED |

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) - STANDARD**
**INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES CONT.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON CHS VORTAC AIRWAY RADIALS 219 CW 300.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON ALD VOR AIRWAY RADIALS 097 CW 176.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CHARLESTON ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET; INCREASE LNAV CATS C AND D AND CIRCLING CAT C VISIBILITY 1/4 MILE.

| CITY AND STATE | ELEVATION: 101 TDZE: 97 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| WALTERBORO, SC | AIRPORT NAME: LOWCOUNTRY REGIONAL | RNAV | RNAV (GPS) RWY 5, ORIG 11 FEB 2010 | AMDT: NONE |
| | | | | DATED: |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**ARINC PACKET - 424-18 - RNAV (GPS)**

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        ALD   K7011670V L  N33004496W081173199                        W0010     1     NARALLENDALE
        SUSAD        CHS   K7011350VTHA N32533955W080021613    N32533955W080021613W0050000392     NARCHARLESTON

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   LAMKE K70    C   L N33035482W080282435                          NAR           LAMKE
        SUSAEAENRT   LIBME K70    W     N32512765W080424275                          NAR           LIBME
        SUSAEAENRT   MUTCY K70    W     N32470105W080474765                          NAR           MUTCY
        SUSAEAENRT   REFOK K70    W     N32525994W080405702                          NAR           REFOK
        SUSAEAENRT   VADSY K70    W     N32433224W080433175                          NAR           VADSY
        SUSAEAENRT   VUKBY K70    W     N32502971W080520388                          NAR           VUKBY

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KRBWK7ARBW     0     060YHN32551560W080382620W005000101        1800018000C    MNAR    LOWCOUNTRY REGIONAL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KRBWK7FR05   AALD   010ALD  K7D 0V       IF                                                  18000                B JS
        SUSAP KRBWK7FR05   AALD   020VUKBYK7EA0E  A 020TF                    12040238    + 02000                                B JS
        SUSAP KRBWK7FR05   AALD   030MUTCYK7EA0EE B 010TF                    13890050    + 02000                                B JS
        SUSAP KRBWK7FR05   ACHS   010CHS  K7D 0V       IF                                                  18000                B JS
        SUSAP KRBWK7FR05   ACHS   020VADSYK7EA0E  A 020TF                    25900362    + 02500                                B JS
        SUSAP KRBWK7FR05   ACHS   030MUTCYK7EA0EE B 010TF                    31900050    + 02000                                B JS
        SUSAP KRBWK7FR05   R      010MUTCYK7EA0E  I    IF                                + 02000     18000                      B JS
        SUSAP KRBWK7FR05   R      020LIBMEK7EA1E  F 051TF                    04900062    + 01700                 RW05  K7PGB  B JS
        SUSAP KRBWK7FR05   R      020LIBMEK7EA2WN          N          ALNAV                                                      JS
        SUSAP KRBWK7FR05   R      021REFOKK7EA0E S  031TF                    04900021    V 0100001007        -304               B JS
        SUSAP KRBWK7FR05   R      030RW05 K7PG0GY M 031TF                    04900027      00140             -304               B JS
        SUSAP KRBWK7FR05   R      040LAMKEK7EA0EYM  010DF                                + 02100                                B JS
        SUSAP KRBWK7FR05   R      050LAMKEK7EA0EE  R020HM                    22920040    + 02100                                B JS
```

| CITY AND STATE | ELEVATION: 101 TDZE: 97 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| WALTERBORO, SC | AIRPORT NAME: LOWCOUNTRY REGIONAL | RNAV | RNAV (GPS) RWY 5, ORIG<br>11 FEB 2010 | AMDT: NONE<br>DATED: |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
            1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KRBWK7GRW05     0060020491 N32545660W080384324+0200     -000440090000050100R

            1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KRBWK7SRW05 K7PG                0   18018002425                                                                   M
```

| CITY AND STATE | ELEVATION: 101 TDZE: 97 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| WALTERBORO, SC | AIRPORT NAME: LOWCOUNTRY REGIONAL | RNAV | RNAV (GPS) RWY 5, ORIG 11 FEB 2010 | AMDT: NONE |
| | | | | DATED: |

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| ALD VOR | EZAFY (FB) | 085.02 / 25.43 | 2000 |
| LAMKE | WIVEL (FB) | 304.39 / 7.50 | 2000 |
| EZAFY (IAF) | IDIFI (FB) | 080.53 / 5.00 | 2000 |
| WIVEL (IAF) | IDIFI (FB) | 260.63 / 5.00 | 2000 |
| BOWMA (IAF) | IDIFI (FB) | 176.12 / 12.81 | 2000 |
| IDIFI (IF) | WIBSI (FB) | 170.58 / 6.11 | 1700 |

## MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW17

CLIMB TO 2100 DIRECT LATNY AND VIA TRACK 080.62 TO CIGLO AND TRACK 002.51 TO LAMKE AND HOLD.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT IDIFI
3. FAC: 170.60 FAF: WIBSI DIST FAF TO MAP: 4.89 THLD: 4.89
4. MIN. ALT: IDIFI 2000, WIBSI 1700, HETIL/3.70 NM TO RW17 1300*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1700 GS ALT AT: WIBSI 1700 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS CLEAR
8. MSA FROM: RW17 2400

ADDITIONAL FLIGHT DATA:
HOLD NE, RT, 229.15 INBOUND.
CHART FAS OBST: 191 TREE 325550N/0803805W
CHART FAS OBST: 345 TOWER 325830N/0804043W
CHART 349 TOWER 325925N/0803948W.
CHART BEAUFORT 3 MOA.
DISTANCE TO THLD FROM 250 HAT: 0.69 NM.
CHART VDP AT 1.44 MILES TO RW17* *LNAV ONLY.
WAAS CHANNEL # 93616
REFERENCE PATH ID: W17A
CHART: APT ELEV 101

MAG VAR: 5W EPOCH YEAR: 1990

## MINIMUMS

TAKEOFF: [ ] STANDARD [X] SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A [ ] STANDARD @

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| LPV DA | 342 | 1 | 250 | 342 | 1 | 250 | 342 | 1 | 250 | 342 | 1 | 250 | | | |
| LNAV/VNAV DA | 508 | 1 1/2 | 416 | 508 | 1 1/2 | 416 | 508 | 1 1/2 | 416 | 508 | 1 1/2 | 416 | | | |
| LNAV MDA | 580 | 1 | 488 | 580 | 1 | 488 | 580 | 1 1/4 | 488 | 580 | 1 1/2 | 488 | | | |
| | | | | | | | | | | | | | | | |
| CIRCLING | 620 | 1 | 519 | 620 | 1 | 519 | 640 | 1 1/2 | 539 | 680 | 2 | 579 | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

NOTES:
CHART NOTE: STRAIGHT-IN MINIMUMS NA AT NIGHT.
CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 5 NA AT NIGHT.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F).
CHART NOTE: DME/DME RNP-0.3 NA.
SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

| CITY AND STATE | ELEVATION: 101 TDZE: 92 | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| WALTERBORO, SC | AIRPORT NAME: LOWCOUNTRY REGIONAL | RNAV | RNAV (GPS) RWY 17, ORIG 11 FEB 2010 | AMDT: NONE |
| | | | | DATED |

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) - STANDARD**
**INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**NOTES CONT.**
**CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON ALD VOR AIRWAY RADIALS 058 CW 097.**
**CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CHARLESTON ALTIMETER SETTING AND INCREASE LPV DA TO 420, LNAV/VNAV DA TO 764, AND ALL MDA 80 FEET; INCREASE LPV ALL CATS VISIBILITY 1/4 MILE, LNAV/VNAV ALL CATS VISIBILITY 1 MILE, AND LNAV CATS C AND D AND CIRCLING CAT C VISIBILITY 1/4 MILE.**
**CHART NOTE: VDP AND BARO-VNAV NA WHEN USING CHARLESTON ALTIMETER SETTING.**

| CITY AND STATE | ELEVATION: 101 TDZE: 92 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| **WALTERBORO, SC** | AIRPORT NAME: **LOWCOUNTRY REGIONAL** | **RNAV** | **RNAV (GPS) RWY 17, ORIG** 11 FEB 2010 | AMDT: **NONE** DATED: |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## FAS DATA BLOCK INFORMATION

| DATA FIELD | DATA |
|---|---|
| OPERATION TYPE | 0 |
| SBAS SERVICE PROVIDER IDENTIFIER | 0 |
| AIRPORT IDENTIFIER | KRBW |
| RUNWAY | RW17 |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | |
| REFERENCE PATH DATA SELECTOR | 0 |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | W17A |
| LTP/FTP LATITUDE | 325540.7735N |
| LTP/FTP LONGITUDE | 0803842.1820W |
| LTP/FTP ELLIPSOIDAL HEIGHT | -00066 |
| FPAP LATITUDE | 325414.3000N |
| FPAP LONGITUDE | 0803815.8800W |
| THRESHOLD CROSSING HEIGHT (TCH) | 00040.0 |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F |
| GLIDEPATH ANGLE (GPA) | 03.00 |
| COURSE WIDTH AT THRESHOLD | 106.75 |
| LENGTH OFFSET | 1008 |
| HORIZONTAL ALERT LIMIT (HAL) | 40.0 |
| VERTICAL ALERT LIMIT (VAL) | 50.0 |
| CRC REMAINDER | 88C35E11 |

## ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|---|---|
| ICAO CODE | K7 |
| LTP ORTHOMETRIC HEIGHT | +00251 |
| FPAP ORTHOMETRIC HEIGHT | +00251 |

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        ALD   K7011670V L  N33004496W081173199                      W0010     1     NARALLENDALE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BOWMA K70    C   L N33190183W080441863                                  NAR           BOWMA
        SUSAEAENRT   CIGLO K70    W     N32520223W080274751                                  NAR           CIGLO
        SUSAEAENRT   EZAFY K70    W     N33050627W080474325                                  NAR           EZAFY
        SUSAEAENRT   HETIL K70    W     N32591622W080394777                                  NAR           HETIL
        SUSAEAENRT   IDIFI K70    W     N33062126W080415744                                  NAR           IDIFI
        SUSAEAENRT   LAMKE K70    C   L N33035482W080282435                                  NAR           LAMKE
        SUSAEAENRT   LATNY K70    W     N32500312W080365955                                  NAR           LATNY
        SUSAEAENRT   WIBSI K70    W     N33002537W080400884                                  NAR           WIBSI
        SUSAEAENRT   WIVEL K70    W     N33073598W080361147                                  NAR           WIVEL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KRBWK7ARBW     0     060YHN32551560W080382620W005000101         1800018000C    MNAR    LOWCOUNTRY REGIONAL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KRBWK7FR17   AALD   010ALD  K7D 0V       IF                                                18000                A JS
        SUSAP KRBWK7FR17   AALD   020EZAFYK7EA0E  A 020TF                    08500254    + 02000                            A JS
        SUSAP KRBWK7FR17   AALD   030IDIFIK7EA0EE B 010TF                    08050050    + 02000                            A JS
        SUSAP KRBWK7FR17   ABOWMA 010BOWMAK7EA0E  A    IF                                                18000                A JS
        SUSAP KRBWK7FR17   ABOWMA 020IDIFIK7EA0EE B 010TF                    17610128    + 02000                            A JS
        SUSAP KRBWK7FR17   ALAMKE 010LAMKEK7EA0E       IF                                                18000                A JS
        SUSAP KRBWK7FR17   ALAMKE 020WIVELK7EA0E  A 020TF                    30440075    + 02000                            A JS
        SUSAP KRBWK7FR17   ALAMKE 030IDIFIK7EA0EE B 010TF                    26060050    + 02000                            A JS
        SUSAP KRBWK7FR17   R      010IDIFIK7EA0E  I    IF                                 + 02000     18000                  A JS
        SUSAP KRBWK7FR17   R      020WIBSIK7EA1E  F 051TF                    17060061    + 01700                  RW17  K7PGA JS
        SUSAP KRBWK7FR17   R      020WIBSIK7EA2WALPV       ALNAV/VNAV ALNAV                                                    JS
        SUSAP KRBWK7FR17   R      021HETILK7EA0E S  031TF                    17060012    V 0130001314        -300          A JS
        SUSAP KRBWK7FR17   R      030RW17 K7PG0GY M 031TF                    17060037      00122             -300          A JS
```

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 101 TDZE: 92 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| WALTERBORO, SC | AIRPORT NAME: LOWCOUNTRY REGIONAL | RNAV | RNAV (GPS) RWY 17, ORIG<br>11 FEB 2010 | AMDT: NONE<br>DATED: |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KRBWK7FR17    R       040LATNYK7EA0E M  010DF                                                          A JS
        SUSAP KRBWK7FR17    R       050CIGLOK7EA0E    L010TFY                  0806                                  A JS
        SUSAP KRBWK7FR17    R       060LAMKEK7EA0EY    010TF                   0025        + 02100                   A JS
        SUSAP KRBWK7FR17    R       070LAMKEK7EA0EE   R020HM                   22920040    + 02100                   A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KRBWK7GRW17     0057051706 N32554077W080384218+0200     -0006600082000040100R

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KRBWK7PR17    RW17 001 0000W17A0N3255407735W08038421820-000660300N3254143000W0803825550010675100800040OF4005000CE4E897
        SUSAP KRBWK7PR17    RW17 002E       +00251+00251LPV       93616

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KRBWK7SRW17 K7PG                0    18018002425                                                          M
```

| CITY AND STATE | ELEVATION: 101 TDZE: 92 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| WALTERBORO, SC | AIRPORT NAME: LOWCOUNTRY REGIONAL | RNAV | RNAV (GPS) RWY 17, ORIG 11 FEB 2010 | AMDT: NONE |
| | | | | DATED: |

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| SACKS | LAMKE (FO) | 119.75 / 8.55 | 2100 |
| GISTS (IAF) | LAMKE (NOPT) (FB) | 299.93 / 8.53 | 2100 |
| LAMKE (IF/IAF) | DOTMY (FB) | 229.15 / 6.35 | 1800 |

## MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW23

CLIMB TO 2100 DIRECT LIBME AND LEFT TURN VIA TRACK 119.02 TO UBIGY AND LEFT TURN VIA TRACK 011.77 TO LAMKE AND HOLD.

ADDITIONAL FLIGHT DATA:
CHART FAS OBST: 254 TANK 325607N/0803749W
CHART BEAUFORT 2 MOA, BEAUFORT 3 MOA.
DISTANCE TO THLD FROM 200 HAT: 0.49 NM.
CHART VDP AT 1.30 MILES TO RW23* *LNAV ONLY.
WAAS CHANNEL # 61016
REFERENCE PATH ID: W23A

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NE LAMKE, RT, 229.15 INBOUND, 2100 FT. IN LIEU OF PT (IAF)
3. FAC: 229.10 FAF: DOTMY DIST FAF TO MAP: 5.13 THLD: 5.13
4. MIN. ALT: LAMKE 2100, DOTMY 1800
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1800 GS ALT AT: DOTMY 1800 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 42.8 34:1 IS CLEAR
8. MSA FROM: RW23 2400

MAG VAR: 5W EPOCH YEAR: 1990

## MINIMUMS

TAKEOFF: ____ STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A ____ STANDARD @

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| LPV DA | 301 | 3/4 | 200 | 301 | 3/4 | 200 | 301 | 3/4 | 200 | 301 | 3/4 | 200 | | | |
| LNAV/VNAV DA | 554 | 1 1/2 | 453 | 554 | 1 1/2 | 453 | 554 | 1 1/2 | 453 | 554 | 1 1/2 | 453 | | | |
| LNAV MDA | 560 | 3/4 | 459 | 560 | 3/4 | 459 | 560 | 1 1/4 | 459 | 560 | 1 1/2 | 459 | | | |
| CIRCLING | 620 | 1 | 519 | 620 | 1 | 519 | 640 | 1 1/2 | 539 | 680 | 2 | 579 | | | |

NOTES:
CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 5 NA AT NIGHT.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LNAV/VNAV ALL CATS AND LNAV CAT C.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F).
CHART NOTE: DME/DME RNP-0.3 NA.
SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

| CITY AND STATE | ELEVATION: 101 TDZE: 101 AIRPORT NAME: | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| WALTERBORO, SC | LOWCOUNTRY REGIONAL | RNAV | RNAV (GPS) RWY 23, ORIG 11 FEB 2010 | AMDT: NONE |
| | | | | DATED |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**NOTES CONT.**

**CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CHARLESTON ALTIMETER SETTING AND INCREASE LPV DA TO 379, LNAV/VNAV DA TO 632, AND ALL MDA 80 FEET; INCREASE LPV ALL CATS VISIBILITY 1/4 MILE, LNAV/VNAV VISIBILITY ALL CATS 1/2 MILE, AND LNAV CATS C AND D AND CIRCLING CAT C VISIBILITY 1/4 MILE.**

**CHART NOTE: VDP AND BARO-VNAV NA WHEN USING CHARLESTON ALTIMETER SETTING.**

| CITY AND STATE | | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| **WALTERBORO, SC** | **ELEVATION: 101 TDZE: 101**<br>AIRPORT NAME:<br>**LOWCOUNTRY REGIONAL** | **RNAV** | **RNAV (GPS) RWY 23, ORIG**<br>11 FEB 2010 | AMDT: **NONE**<br>DATED: |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## FAS DATA BLOCK INFORMATION

| DATA FIELD | DATA |
|---|---|
| OPERATION TYPE | 0 |
| SBAS SERVICE PROVIDER IDENTIFIER | 0 |
| AIRPORT IDENTIFIER | KRBW |
| RUNWAY | RW23 |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | |
| REFERENCE PATH DATA SELECTOR | 0 |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | W23A |
| LTP/FTP LATITUDE | 325539.2745N |
| LTP/FTP LONGITUDE | 0803754.2755W |
| LTP/FTP ELLIPSOIDAL HEIGHT | -00009 |
| FPAP LATITUDE | 325456.6000N |
| FPAP LONGITUDE | 0803843.2400W |
| THRESHOLD CROSSING HEIGHT (TCH) | 00042.8 |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F |
| GLIDEPATH ANGLE (GPA) | 03.00 |
| COURSE WIDTH AT THRESHOLD | 106.00 |
| LENGTH OFFSET | 0000 |
| HORIZONTAL ALERT LIMIT (HAL) | 40.0 |
| VERTICAL ALERT LIMIT (VAL) | 35.0 |
| CRC REMAINDER | 67173034 |

## ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|---|---|
| ICAO CODE | K7 |
| LTP ORTHOMETRIC HEIGHT | +00308 |
| FPAP ORTHOMETRIC HEIGHT | +00308 |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**ARINC PACKET - 424-18 - RNAV (GPS)**

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   DOTMY K70    C     N32592073W080333990                              NAR          DOTMY
        SUSAEAENRT   GISTS K70    R   L N33001896W080191198                              NAR          GISTS
        SUSAEAENRT   LAMKE K70    C   L N33035482W080282435                              NAR          LAMKE
        SUSAEAENRT   LIBME K70    W     N32512765W080424275                              NAR          LIBME
        SUSAEAENRT   SACKS K70    C   L N33073038W080373866                              NAR          SACKS
        SUSAEAENRT   UBIGY K70    W     N32465790W080304769                              NAR          UBIGY

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KRBWK7ARBW     0     060YHN32551560W080382620W005000101         1800018000C    MNAR    LOWCOUNTRY REGIONAL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KRBWK7FR23   AGISTS 010GISTSK7EA0E  A    IF                                                18000                A JS
        SUSAP KRBWK7FR23   AGISTS 020LAMKEK7EA0EE B 010TF                    29990085    + 02100                                A JS
        SUSAP KRBWK7FR23   ASACKS 010SACKSK7EA0E       IF                                                18000                A JS
        SUSAP KRBWK7FR23   ASACKS 020LAMKEK7EA0EY   020TF                    11980086    + 02100                                A JS
        SUSAP KRBWK7FR23   ASACKS 030LAMKEK7EA0EE AR   HF                    22920040    + 02100                                A JS
        SUSAP KRBWK7FR23   R       010LAMKEK7EA0E  I    IF                                + 02100    18000                       A JS
        SUSAP KRBWK7FR23   R       020DOTMYK7EA1E  F 051TF                    22920064    + 01800               RW23   K7PGA JS
        SUSAP KRBWK7FR23   R       020DOTMYK7EA2WALPV       ALNAV/VNAV ALNAV                                                    JS
        SUSAP KRBWK7FR23   R       030RW23  K7PG0GY M 031TF                  22910051      00144          -300                A JS
        SUSAP KRBWK7FR23   R       040LIBMEK7EA0E M  010DF                                                                     A JS
        SUSAP KRBWK7FR23   R       050UBIGYK7EA0E   L010TFY                  1190                                               A JS
        SUSAP KRBWK7FR23   R       060LAMKEK7EA0EY  L010TFY                  0118        + 02100                                A JS
        SUSAP KRBWK7FR23   R       070LAMKEK7EA0EE  R020HM                   22920040    + 02100                                A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KRBWK7GRW23    0060022291 N32553927W080375428-0200    -00009001010000431001
```

| CITY AND STATE | ELEVATION: 101 TDZE: 101 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| WALTERBORO, SC | AIRPORT NAME: LOWCOUNTRY REGIONAL | RNAV | RNAV (GPS) RWY 23, ORIG 11 FEB 2010 | AMDT: NONE |
| | | | | DATED: |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KRBWK7PR23   RW23 001 0000W23A0N3255392745W08037542755-000090300N3254566000W0803843240010600000000428F40035067173034
        SUSAP KRBWK7PR23   RW23 002E      +00308+00308LPV       61016
```

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KRBWK7SRW23 K7PG                0   18018002425                                                                    M
```

| CITY AND STATE | ELEVATION: 101 TDZE: 101 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| WALTERBORO, SC | AIRPORT NAME: LOWCOUNTRY REGIONAL | RNAV | RNAV (GPS) RWY 23, ORIG<br>11 FEB 2010 | AMDT: NONE<br>DATED: |

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| ALD VOR | NIXGY (FB) | 124.92 / 35.64 | 2400 |
| CHS VORTAC | AHEFY (FB) | 255.17 / 24.36 | 2400 |
| NIXGY (IAF) | DORLY (FB) | 080.59 / 5.00 | 2400 |
| AHEFY (IAF) | DORLY (FB) | 260.69 / 5.00 | 2400 |
| DORLY (IF) | LATNY (FB) | 350.64 / 6.14 | 1700 |

## MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW35

CLIMB TO 2100 DIRECT WIBSI AND VIA TRACK 075.51 TO LAMKE AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD NE, RT, 229.15 INBOUND.
CHART FAS OBST: 187 ANT ON TWR 325445N/0803816W
CHART FAS OBST: 321 TOWER 325308N/0803851W
CHART BEAUFORT 2 MOA, BEAUFORT 3 MOA.
DISTANCE TO THLD FROM 303 HAT: 0.84 NM.
WAAS CHANNEL # 48916
REFERENCE PATH ID: W35A
CHART: APT ELEV 101

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT DORLY
3. FAC: 350.62 FAF: LATNY DIST FAF TO MAP: 4.86 THLD: 4.86
4. MIN. ALT: DORLY 2400, LATNY 1700
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1700 GS ALT AT: LATNY 1700 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR
8. MSA FROM: RW35 2400

MAG VAR: 5W EPOCH YEAR: 1990

## MINIMUMS

TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | | STANDARD @

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| LPV DA | 398 | 1 | 303 | 398 | 1 | 303 | 398 | 1 | 303 | 398 | 1 | 303 | | | |
| LNAV/VNAV DA | 447 | 1 1/4 | 352 | 447 | 1 1/4 | 352 | 447 | 1 1/4 | 352 | 447 | 1 1/4 | 352 | | | |
| LNAV MDA | 560 | 1 | 465 | 560 | 1 | 465 | 560 | 1 1/4 | 465 | 560 | 1 1/2 | 465 | | | |
| CIRCLING | 620 | 1 | 519 | 620 | 1 | 519 | 640 | 1 1/2 | 539 | 680 | 2 | 579 | | | |

NOTES:
CHART NOTE: STRAIGHT-IN MINIMUMS NA AT NIGHT.
CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 5 NA AT NIGHT.
CHART NOTE: BARO-VNAV NA WHEN USING CHARLESTON ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F).
SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

| CITY AND STATE | ELEVATION: 101 TDZE: 95 | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| WALTERBORO, SC | AIRPORT NAME: LOWCOUNTRY REGIONAL | RNAV | RNAV (GPS) RWY 35, ORIG 11 FEB 2010 | AMDT: NONE |
| | | | | DATED |

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**NOTES CONT.**
**CHART NOTE: DME/DME RNP-0.3 NA.**
**CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.**
**CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON CHS VORTAC AIRWAY RADIALS 219 CW 300.**
**CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON ALD VOR AIRWAY RADIALS 097 CW 176.**
**CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CHARLESTON ALTIMETER SETTING AND INCREASE LPV DA TO 476, LNAV/VNAV DA TO 525, AND ALL MDA 80 FEET; INCREASE LPV ALL CATS VISIBILITY, LNAV/VNAV ALL CATS VISIBILITY, AND LNAV CATS C AND D VISIBILITY, AND CIRCLING CAT C VISIBILITY 1/4 MILE.**

| CITY AND STATE | | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | |
|---|---|---|---|---|
| **WALTERBORO, SC** | **ELEVATION: 101 TDZE: 95**<br>AIRPORT NAME:<br>**LOWCOUNTRY REGIONAL** | **RNAV** | **RNAV (GPS) RWY 35, ORIG**<br>11 FEB 2010 | SUP:<br>AMDT: **NONE**<br>DATED: |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## FAS DATA BLOCK INFORMATION

| DATA FIELD | DATA |
|---|---|
| OPERATION TYPE | 0 |
| SBAS SERVICE PROVIDER IDENTIFIER | 0 |
| AIRPORT IDENTIFIER | KRBW |
| RUNWAY | RW35 |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | |
| REFERENCE PATH DATA SELECTOR | 0 |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | W35A |
| LTP/FTP LATITUDE | 325446.0980N |
| LTP/FTP LONGITUDE | 0803825.5485W |
| LTP/FTP ELLIPSOIDAL HEIGHT | -00037 |
| FPAP LATITUDE | 325612.5700N |
| FPAP LONGITUDE | 0803851.8600W |
| THRESHOLD CROSSING HEIGHT (TCH) | 00040.0 |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F |
| GLIDEPATH ANGLE (GPA) | 03.00 |
| COURSE WIDTH AT THRESHOLD | 106.75 |
| LENGTH OFFSET | 1008 |
| HORIZONTAL ALERT LIMIT (HAL) | 40.0 |
| VERTICAL ALERT LIMIT (VAL) | 50.0 |
| CRC REMAINDER | 03ACB24D |

## ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|---|---|
| ICAO CODE | K7 |
| LTP ORTHOMETRIC HEIGHT | +00279 |
| FPAP ORTHOMETRIC HEIGHT | +00279 |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        ALD   K7011670V L  N33004496W081173199                      W0010     1     NARALLENDALE
        SUSAD        CHS   K7011350VTHA N32533955W080021613    N32533955W080021613W0050000392     NARCHARLESTON

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   AHEFY K70    W     N32451992W080292648                                  NAR           AHEFY
        SUSAEAENRT   DORLY K70    W     N32440550W080351110                                  NAR           DORLY
        SUSAEAENRT   LAMKE K70    C   L N33035482W080282435                                  NAR           LAMKE
        SUSAEAENRT   LATNY K70    W     N32500312W080365955                                  NAR           LATNY
        SUSAEAENRT   NIXGY K70    W     N32425082W080405556                                  NAR           NIXGY
        SUSAEAENRT   WIBSI K70    W     N33002537W080400884                                  NAR           WIBSI

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KRBWK7ARBW     0     060YHN32551560W080382620W005000101         1800018000C    MNAR    LOWCOUNTRY REGIONAL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KRBWK7FR35   AALD   010ALD  K7D 0V       IF                                                18000                 A JS
        SUSAP KRBWK7FR35   AALD   020NIXGYK7EA0E  A 020TF                    12490356    + 02400                             A JS
        SUSAP KRBWK7FR35   AALD   030DORLYK7EA0EE B 010TF                    08060050    + 02400                             A JS
        SUSAP KRBWK7FR35   ACHS   010CHS  K7D 0V       IF                                                18000                 A JS
        SUSAP KRBWK7FR35   ACHS   020AHEFYK7EA0E  A 020TF                    25520244    + 02400                             A JS
        SUSAP KRBWK7FR35   ACHS   030DORLYK7EA0EE B 010TF                    26070050    + 02400                             A JS
        SUSAP KRBWK7FR35   R      010DORLYK7EA0E  I    IF                                  + 02400     18000                 A JS
        SUSAP KRBWK7FR35   R      020LATNYK7EA1E  F 051TF                    35060061    + 01700                  RW35  K7PGA JS
        SUSAP KRBWK7FR35   R      020LATNYK7EA2WALPV       ALNAV/VNAV ALNAV                                                     JS
        SUSAP KRBWK7FR35   R      030RW35 K7PG0GY M 031TF                    35060049      00132             -300           A JS
        SUSAP KRBWK7FR35   R      040WIBSIK7EA0E M  010DF                                                                     A JS
        SUSAP KRBWK7FR35   R      050LAMKEK7EA0EY   010TF                    0755        + 02100                             A JS
        SUSAP KRBWK7FR35   R      060LAMKEK7EA0EE  R020HM                    22920040    + 02100                             A JS
```

| CITY AND STATE | ELEVATION: 101 TDZE: 95 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| WALTERBORO, SC | AIRPORT NAME: LOWCOUNTRY REGIONAL | RNAV | RNAV (GPS) RWY 35, ORIG<br>11 FEB 2010 | AMDT: NONE<br>DATED: |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KRBWK7GRW35    0057053506 N32544610W080382555-0200    -0003700092000040100R

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KRBWK7PR35   RW35 001 0000W35A0N3254460980W08038255485-000370300N3256125700W080385186001067510080004 00F40050003ACB24D
        SUSAP KRBWK7PR35   RW35 002E      +00279+00279LPV       48916

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KRBWK7SRW35 K7PG                0   18018002425                                                                    M
```

| CITY AND STATE | ELEVATION: 101 TDZE: 95 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| WALTERBORO, SC | AIRPORT NAME: LOWCOUNTRY REGIONAL | RNAV | RNAV (GPS) RWY 35, ORIG<br>11 FEB 2010 | AMDT: NONE<br>DATED: |

**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**

**GPS OR NDB STANDARD INSTRUMENT APPROACH PROCEDURE**

**FLIGHT STANDARDS SERVICE - FAR PART 97.27**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**TERMINAL ROUTES**

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| | | | |

**MISSED APPROACH**

ADDITIONAL FLIGHT DATA:

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. ____
3. FAC ____ FAF ____ DIST FAF TO MAP ____ THLD ____
4. MIN. ALT ____
8. MSA FROM:

MAG VAR: EPOCH YEAR:

TAKEOFF: | STANDARD | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: NA |

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

NOTES:

**PROCEDURE CANCELED EFFECTIVE** 11 FEB 2010

| CITY AND STATE | ELEVATION: 1008 TDZE: / AIRPORT NAME: | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP |
|---|---|---|---|---|
| **GRAFORD, TX** | **POSSUM KINGDOM** | **GZV** | **NDB OR GPS-A, AMDT 1, 10/10/1996** | AMDT **ORIG** |
| | | | | DATE **25 AUG 88** |

**FAA FORM 8260-5 / December 2002 (computer generated)**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| MQP VORTAC | OGBOE (FB) | 262.21 / 23.63 | 3500 |
| CIYAL | MREEK (FB) | 141.51 / 16.28 | 3500 |
| MREEK (IAF) | ZOOOO (NOPT) (FB) | 113.41 / 5.00 | 3200 |
| OGBOE (IAF) | ZOOOO (NOPT) (FB) | 293.51 / 5.00 | 3200 |
| ZOOOO (IF/IAF) | JAMGU (FB) | 023.46 / 6.10 | 2600 |

## MISSED APPROACH

LNAV: RW02

CLIMBING RIGHT TURN TO 3200 DIRECT ZOOOO AND HOLD.

ADDITIONAL FLIGHT DATA:
CHART FAS OBST: 1329 TREE 325318N/0982718W
JAMGU TO RW02: 3.04/40

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SW ZOOOO, RT, 023.46 INBOUND, 3200 FT. IN LIEU OF PT (IAF)
3. FAC: 023.49 FAF: JAMGU DIST FAF TO MAP: 4.81 THLD: 4.81
4. MIN. ALT: ZOOOO 3200, JAMGU 2600, ANIPE/2.50 NM TO RW02 1840
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM: RW02 3100

MAG VAR: 7E EPOCH YEAR: 1985

## MINIMUMS

TAKEOFF: ____ STANDARD X SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A X

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| LNAV MDA | 1640 | 1 | 632 | 1640 | 1 | 632 | 1640 | 1 3/4 | 632 | | NA | | | | |
| CIRCLING | 1700 | 1 | 692 | 1860 | 1 1/4 | 852 | 1860 | 2 1/2 | 852 | | NA | | | | |

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: PROCEDURE NA AT NIGHT.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON MPQ VORTAC AIRWAY RADIALS 253 CW 265.
SEE 8260-10

| CITY AND STATE | ELEVATION: 1008 TDZE: 1008 | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| GRAFORD, TX | AIRPORT NAME: POSSUM KINGDOM | RNAV | RNAV (GPS) RWY 2, ORIG 11 FEB 2010 | AMDT: NONE |
| | | | | DATED |

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) - STANDARD**
**INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are n statute miles or in feet RVR.

NOTES CONT.
CHART NOTE: USE MINERAL WELLS ALTIMETER SETTING; WHEN NOT RECEIVED, USE DECATUR MUNI ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET; INCREASE LNAV CAT C VISIBILITY AND CIRCLING CAT C VISIBILITY 1/4 MILE.

| CITY AND STATE | | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| GRAFORD, TX | ELEVATION: 1008 TDZE: 1008<br>AIRPORT NAME: POSSUM KINGDOM | RNAV | RNAV (GPS) RWY 2, ORIG<br>11 FEB 2010 | AMDT: NONE<br>DATED: |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**ARINC PACKET - 424-18 - RNAV (GPS)**

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        MQP    K4011770VTHW N32433425W097595079    N32433425W097595079E0090009002     NARMILLSAP

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ANIPE K40    W     N32525957W098275363                                NAR           ANIPE
        SUSAEAENRT   CIYAL K40    C   L N33021137W098480974                                NAR           CIYAL
        SUSAEAENRT   JAMGU K40    W     N32505997W098291711                                NAR           JAMGU
        SUSAEAENRT   MREEK K40    W     N32481619W098380417                                NAR           MREEK
        SUSAEAENRT   OGBOE K40    W     N32431142W098275084                                NAR           OGBOE
        SUSAEAENRT   ZOOOO K40    W     N32454391W098325736                                NAR           ZOOOO

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP F35 K4AF35     0     035YHN32552270W098261360E007001008         1800018000C    MNAR     POSSUM KINGDOM

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP F35 K4FR02   ACIYAL 010CIYALK4EA0E       IF                                                  18000                B JS
        SUSAP F35 K4FR02   ACIYAL 020MREEKK4EA0E  A 020TF                        14150163    + 03500                             B JS
        SUSAP F35 K4FR02   ACIYAL 030ZOOOOK4EA0EE B 010TF                        11340050    + 03200                             B JS
        SUSAP F35 K4FR02   AMQP   010MQP  K4D 0V       IF                                                  18000                B JS
        SUSAP F35 K4FR02   AMQP   020OGBOEK4EA0E  A 020TF                        26220236    + 03500                             B JS
        SUSAP F35 K4FR02   AMQP   030ZOOOOK4EA0EE B 010TF                        29350050    + 03200                             B JS
        SUSAP F35 K4FR02   AZOOOO 010ZOOOOK4EA0EE AR   HF                        02350040    + 03200     18000                   B JS
        SUSAP F35 K4FR02   R      010ZOOOOK4EA0E  I    IF                                    + 03200     18000                   B JS
        SUSAP F35 K4FR02   R      020JAMGUK4EA1E  F 051TF                        02350061    + 02600                 RW02  K4PGB JS
        SUSAP F35 K4FR02   R      020JAMGUK4EA2WN          N          ALNAV                                                      JS
        SUSAP F35 K4FR02   R      021ANIPEK4EA0E S  031TF                        02350023    V 0184001850        -304            B JS
        SUSAP F35 K4FR02   R      030RW02 K4PG0GY M 031TF                        02350025      01048             -304            B JS
        SUSAP F35 K4FR02   R      040         0  M  010CA                        0235        + 01408                             B JS
        SUSAP F35 K4FR02   R      050ZOOOOK4EA0EY  R010DF                                    + 03200                             B JS
        SUSAP F35 K4FR02   R      060ZOOOOK4EA0EE  R020HM                        02350040    + 03200                             B JS
```

| CITY AND STATE | ELEVATION: 1008 TDZE: 1008 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| GRAFORD, TX | AIRPORT NAME: POSSUM KINGDOM | RNAV | RNAV (GPS) RWY 2, ORIG 11 FEB 2010 | AMDT: NONE |
| | | | | DATED: |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP F35 K4GRW02     0035020235 N32550905W098262317+0000     +027800100800004006OR

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP F35 K4SRW02 K4PG               0    18018003125                                                                  M
```

| CITY AND STATE | ELEVATION: 1008 TDZE: 1008 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| GRAFORD, TX | AIRPORT NAME: POSSUM KINGDOM | RNAV | RNAV (GPS) RWY 2, ORIG 11 FEB 2010 | AMDT: NONE |
| | | | | DATED: |

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| CIYAL | HIPLA (FB) | 067.65 / 20.54 | 3500 |
| MQP VORTAC | COSOV (FB) | 320.22 / 22.49 | 3500 |
| HIPLA (IAF) | JAPEP (NOPT) (FB) | 113.53 / 5.00 | 3200 |
| COSOV (IAF) | JAPEP (NOPT) (FB) | 293.63 / 5.00 | 3200 |
| MUZZO (IAF) | JAPEP (NOPT) (FB) | 195.09 / 10.82 | 3200 |
| JAPEP (IF/IAF) | KEHRE (FB) | 203.58 / 6.09 | 2600 |

## MISSED APPROACH

LNAV: RW20

CLIMB TO 3200 DIRECT ZOOOO AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD SW, RT, 023.46 INBOUND.
CHART FAS OBST: 1368 TREE 325836N/0982239W
CHART: 1488 TOWER 325930N/0982328W
KEHRE TO RW20: 3.04/40

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NE JAPEP, RT, 203.58 INBOUND, 3200 FT. IN LIEU OF PT (IAF)
3. FAC: 203.55 FAF: KEHRE DIST FAF TO MAP: 4.81 THLD: 4.81
4. MIN. ALT: JAPEP 3200, KEHRE 2600
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM: RW20 3100

MAG VAR: 7E EPOCH YEAR: 1985

## MINIMUMS

TAKEOFF: ____ STANDARD X SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A X

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| LNAV MDA | 1680 | 1 | 672 | 1680 | 1 | 672 | 1680 | 2 | 672 | | NA | | | | |
| CIRCLING | 1700 | 1 | 692 | 1860 | 1 1/4 | 852 | 1860 | 2 1/2 | 852 | | NA | | | | |

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: PROCEDURE NA AT NIGHT.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART NOTE: USE MINERAL WELLS ALTIMETER SETTING; WHEN NOT RECEIVED, USE DECATUR MUNI ALTIMETER
SEE 8260-10

| CITY AND STATE | AIRPORT | FACILITY IDENTIFIER | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | |
|---|---|---|---|---|
| GRAFORD, TX | ELEVATION: 1008 TDZE: 1008<br>AIRPORT NAME: POSSUM KINGDOM | RNAV | RNAV (GPS) RWY 20, ORIG<br>11 FEB 2010 | SUP:<br>AMDT: NONE<br>DATED |

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) - STANDARD**
**INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES CONT.
SETTING AND INCREASE ALL MDA 80 FEET; INCREASE LNAV CATS B AND C AND CIRCLING CAT C VISIBILITY 1/4 MILE.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT CIYAL VIA V16 SOUTHWEST BOUND AND FOR ARRIVAL AT MQP VORTAC VIA V18 EASTBOUND AND V17-161 SOUTHBOUND.

| CITY AND STATE | ELEVATION: 1008 TDZE: 1008 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| GRAFORD, TX | AIRPORT NAME: POSSUM KINGDOM | RNAV | RNAV (GPS) RWY 20, ORIG 11 FEB 2010 | AMDT: NONE |
| | | | | DATED: |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**ARINC PACKET - 424-18 - RNAV (GPS)**

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAD        MQP    K4011770VTHW N32433425W097595079     N32433425W097595079E0090009002     NARMILLSAP

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CIYAL K40    C   L N33021137W098480974                          NAR           CIYAL
        SUSAEAENRT   COSOV K40    W     N33023018W098141977                          NAR           COSOV
        SUSAEAENRT   HIPLA K40    W     N33073601W098243456                          NAR           HIPLA
        SUSAEAENRT   JAPEP K40    W     N33050320W098192702                          NAR           JAPEP
        SUSAEAENRT   KEHRE K40    W     N32594787W098230811                          NAR           KEHRE
        SUSAEAENRT   MUZZO K40    C   L N33150570W098143652                          NAR           MUZZO
        SUSAEAENRT   ZOOOO K40    W     N32454391W098325736                          NAR           ZOOOO

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP F35 K4AF35     0     035YHN32552270W098261360E007001008         1800018000C    MNAR    POSSUM KINGDOM

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP F35 K4FR20   ACIYAL 010CIYALK4EA0E       IF                                          18000                B JS
        SUSAP F35 K4FR20   ACIYAL 020HIPLAK4EA0E  A 020TF                    06770205    + 03500                       B JS
        SUSAP F35 K4FR20   ACIYAL 030JAPEPK4EA0EE B 010TF                    11350050    + 03200                       B JS
        SUSAP F35 K4FR20   AJAPEP 010JAPEPK4EA0EE AR   HF                    20360040    + 03200     18000             B JS
        SUSAP F35 K4FR20   AMQP   010MQP  K4D 0V       IF                                          18000             B JS
        SUSAP F35 K4FR20   AMQP   020COSOVK4EA0E  A 020TF                    32020225    + 03500                       B JS
        SUSAP F35 K4FR20   AMQP   030JAPEPK4EA0EE B 010TF                    29360050    + 03200                       B JS
        SUSAP F35 K4FR20   AMUZZO 010MUZZOK4EA0E  A    IF                                           18000             B JS
        SUSAP F35 K4FR20   AMUZZO 020JAPEPK4EA0EE B 010TF                    19510108    + 03200                       B JS
        SUSAP F35 K4FR20   R      010JAPEPK4EA0E  I    IF                                + 03200     18000             B JS
        SUSAP F35 K4FR20   R      020KEHREK4EA1E  F 051TF                    20360061    + 02600                RW20   K4PGB JS
        SUSAP F35 K4FR20   R      020KEHREK4EA2WN          N          ALNAV                                                JS
        SUSAP F35 K4FR20   R      030RW20 K4PG0GY M 031TF                    20360048      01048          -304             B JS
        SUSAP F35 K4FR20   R      040         0  M  010CA                    2036        + 01408                       B JS
        SUSAP F35 K4FR20   R      050ZOOOOK4EA0EY   010DF                                + 03200                       B JS
```

| CITY AND STATE | ELEVATION: 1008 TDZE: 1008 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| GRAFORD, TX | AIRPORT NAME: POSSUM KINGDOM | RNAV | RNAV (GPS) RWY 20, ORIG 11 FEB 2010 | AMDT: NONE |
| | | | | DATED: |

```
        SUSAP F35 K4FR20   R       060ZOOOOK4EA0EE  R020HM                    02350040    + 03200                          B JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP F35 K4GRW20    0035022035 N32553889W098260231+0000    +027810100803004006OR

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP F35 K4SRW20 K4PG              0   18018003125                                                                    M
```

| CITY AND STATE | ELEVATION: 1008 TDZE: 1008 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| **GRAFORD, TX** | AIRPORT NAME: **POSSUM KINGDOM** | **RNAV** | **RNAV (GPS) RWY 20, ORIG** 11 FEB 2010 | AMDT: **NONE** |
| | | | | DATED: |

U.S. DEPARTMENT of TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

**(1) TAKEOFF MINIMUMS:**

**RWY 02: STANDARD.**

**RWY 20: 400 - 2 1/2 OR STANDARD WITH A MINIMUM CLIMB OF 212 FT PER NM TO 1500 OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1,600 FT PRIOR TO DEPARTURE END OF RUNWAY.**

**(2) TEXTUAL DEPARTURE PROCEDURE:**

**RWY 01: CLIMB HEADING 203.52 TO 1500 BEFORE TURNING LEFT.**

**(3) TAKEOFF OBSTACLE NOTES:NOTE: RWY 02, TREES BEGINNING 31' FROM DER, 22' LEFT OF CENTERLINE, UP TO 100' AGL/1099' MSL. TREES BEGINNING 1023' FROM DER, 114' RIGHT OF CENTERLINE, UP TO 100' AGL/1129' MSL.**

**NOTE: RWY 20, VEHICLE ON ROADWAY 116' FROM DER, 498' RIGHT OF CENTERLINE, 15' AGL/1024' MSL. TREES BEGINNING 494' FROM DER, 126' RIGHT OF CENTERLINE, UP TO 100' AGL/1109' MSL. TREES BEGINNING 977' FROM DER, 115' LEFT OF CENTERLINE, UP TO 100' AGL/1109' MSL. TREES BEGINNING 2.29 MILES FROM DER, 1679' LEFT OF CENTERLINE, UP TO 100' AGL/1329' MSL.**

**(4) CONTROLLING OBSTACLES:**

**RWY 20: 1329 MSL TREE 325317.59N-0982718.18W, 1499 MSL TREE 325338.50N-0982522.73W.**

QUALITY CHECKED

| (5) City, State | (6) Airport | (7) Effective Date | (8) Amdt. No. |
|---|---|---|---|
| GRAFORD, TX. | POSSUM KINGDOM | 11 FEB 2010 | ORIG |

**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**

**NDB STANDARD INSTRUMENT APPROACH PROCEDURE**

**FLIGHT STANDARDS SERVICE - FAR PART 97.27**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**TERMINAL ROUTES**

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| | | | |

**MISSED APPROACH**

ADDITIONAL FLIGHT DATA:

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. ____
3. FAC ____ FAF ____ DIST FAF TO MAP ____ THLD ____
4. MIN. ALT ____
8. MSA FROM:

MAG VAR: EPOCH YEAR:

TAKEOFF: | STANDARD | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

NOTES:

**PROCEDURE CANCELED EFFECTIVE** 11 FEB 2010

QUALITY 6 CANCEL

| CITY AND STATE | ELEVATION: 82 TDZE: 82 | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP |
|---|---|---|---|---|
| **HOUSTON, TX** | AIRPORT NAME: **SUGAR LAND RGNL** | **SGR** | **NDB RWY 17, ORIG, 10/27/2005** | AMDT **NONE** |
| | | | | DATE |

U.S. DEPARTMENT of TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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**(1) TAKEOFF MINIMUMS:**

**RWY 32, 400-1 OR STANDARD WITH MINIMUM CLIMB OF 498 FT PER NM TO 4700.**
**RWY 14, 16R, 16L, 17, 34L, 34R, 35, STANDARD.**

**(2) TEXTUAL DEPARTURE PROCEDURE:**

**RWY 14 - CLIMB TO 10,000 VIA HEADING 188.99 AND FFU R-341 TO FFU VORTAC BEFORE PROCEEDING ON COURSE.**
**RWY 16R - CLIMB TO 10,000 VIA HEADING 160.95 AND FFU R-341 TO FFU VORTAC BEFORE PROCEEDING ON COURSE.**
**RWY 16L - CLIMB TO 10,000 VIA HEADING 160.95 AND FFU R-341 TO FFU VORTAC BEFORE PROCEEDING ON COURSE.**
**RWY 17 - CLIMB TO 10,000 VIA HEADING 165.99 AND FFU R-341 TO FFU VORTAC BEFORE PROCEEDING ON COURSE.**
**RWY 32 - CLIMB TO 9,000 VIA HEADING 359.00 AND OGD R-153 TO OGD VORTAC BEFORE PROCEEDING ON COURSE.**
**RWY 34L - CLIMB TO 9,000 VIA HEADING 340.95 AND OGD R-153 TO OGD VORTAC BEFORE PROCEEDING ON COURSE.**
**RWY 34R - CLIMB TO 9,000 VIA HEADING 340.96 AND OGD R-153 TO OGD VORTAC BEFORE PROCEEDING ON COURSE.**
**RWY 35 - CLIMB TO 9,000 VIA HEADING 335.99 AND OGD R-153 TO OGD VORTAC BEFORE PROCEEDING ON COURSE.**

**(3) TAKEOFF OBSTACLE NOTES:**

**NOTE: RWY 14, ANTENNA 1,349' FROM DER, 544' LEFT OF CENTERLINE, 42' AGL/4263' MSL. NOTE: RWY 16L, VEHICLE ON ROAD 124' FROM DER, 14' RIGHT OF CENTERLINE, 15' AGL/4239' MSL. LIGHT POLE 988' FROM DER, 726' RIGHT OF CENTERLINE, 34' AGL/4254' MSL. POLE 1024' FROM DER, 689' RIGHT OF CENTERLINE, 34' AGL/4254' MSL. NOTE: RWY 17, VEHICLES ON ROAD BEGINNING 335' FROM DER, ON CENTERLINE, UP TO 17' AGL/4241' MSL. NOTE: RWY 32, ATC TOWER 5,266' FROM DER, 1,767' LEFT OF CENTERLINE, 335' AGL/4549' MSL. CRANE 5,196' FROM DER, 1,630' LEFT OF CENTERLINE, 240' AGL/4463' MSL. FLAG ON OL 5,153' FROM DER, 1,619' LEFT OF CENTERLINE, 249' AGL/4463' MSL. AIRCRAFT BEGINNING 989' FROM DER, 722' LEFT OF CENTERLINE, UP TO 79' AGL/4306' MSL. (CONTINUED)**

**(4) CONTROLLING OBSTACLES:**

**RWY 14, 16R, 16L, 17, 34L, 34R, 35: 11,032 MSL TRAMWAY 403340.00N/1113842.00W**
**RWY 32: 4549 MSL TOWER 404747.00N/1115908.00W, 11,032 MSL TRAMWAY 403340.00N/1113842.00W.**

QUALITY 6 CHECKED

| (5) City, State | (6) Airport | (7) Effective Date | (8) Amdt. No. |
|---|---|---|---|
| SALT LAKE CITY, UT | SALT LAKE CITY INTL | 11 FEB 2010 | 11 |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL.. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**(3) TAKEOFF OBSTACLE NOTES: (CONT'D)**
**NOTE: RWY 34R, POST 13' FROM DER, 349' RIGHT OF CENTERLINE, 3' AGL/4227' MSL.**
**NOTE: RWY 35, POST 56' FROM DER, 249' LEFT OF CENTERLINE, 2' AGL/4220' MSL.**

QUALITY CHECKED

| City, State | Airport | Effective Date | Amdt. No. |
|---|---|---|---|
| SALT LAKE CITY, UT | SALT LAKE CITY INTL | 11 FEB 2010 | 11 |

| DP Name | Number | DP Computer Code | Superseded Number | Dated | Effective Date |
|---|---|---|---|---|---|
| | | | | | |

U.S. DEPARTMENT of TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

**(1) TAKEOFF MINIMUMS:**

**RWY 12, STANDARD WITH A MINIMUM CLIMB OF 249 FEET PER NM TO 2100 OR 1900-3 FOR CLIMB IN VISUAL CONDITIONS.**
**RWY 30, STANDARD WITH A MINIMUM CLIMB OF 321 FEET PER NM TO 4300 OR 1900-3 FOR CLIMB IN VISUAL CONDITIONS.**

**(2) TEXTUAL DEPARTURE PROCEDURE:**

**RWY 12 - CLIMB HEADING 125.19 TO 2200 BEFORE PROCEEDING ON COURSE. FOR CLIMB IN VISUAL CONDITIONS: CROSS BLUE RIDGE AIRPORT AT OR ABOVE 2,700 MSL BEFORE PROCEEDING ON COURSE.**
**RWY 30 - FOR CLIMB IN VISUAL CONDITIONS: CROSS BLUE RIDGE AIRPORT AT OR ABOVE 2,700 MSL BEFORE PROCEEDING ON COURSE.**

**(3) TAKEOFF OBSTACLE NOTES:**

**NOTE: RWY 12, TREES BEGINNING 316' FROM DER, 320' LEFT OF CENTERLINE, UP TO 47' AGL/956' MSL. TREES BEGINNING 38' FROM DER, 380' RIGHT OF CENTERLINE, UP TO 82' AGL/941' MSL.**
**NOTE: RWY 30, TREES BEGINNING 82' FROM DER, 9' RIGHT OF CENTERLINE, UP TO 100' AGL/1058' MSL. VEHICLE ON ROAD 638' FROM DER, 418' RIGHT OF CENTERLINE, 15' AGL/974' MSL. OL ON DME 1,031' FROM DER, 304' RIGHT OF CENTERLINE, 18' AGL/977' MSL. FENCE 947' FROM DER, 400' RIGHT OF CENTERLINE, 12' AGL/971' MSL. TREES BEGINNING 102' FROM DER, 94' LEFT OF CENTERLINE, UP TO 77' AGL/1,047' MSL.**

**(4) CONTROLLING OBSTACLES:**

**RWY 12: 1,739 MSL AAO 363648.96N-0795505.33W, 1,370 MSL TREE 363700.00N-0795739.00W**
**RWY 30: 3,419 MSL AAO 364135.14N-0801329.10W**
**RWY 12, 30 (VCOA): 1,457 MSL TOWER 363734.10N-0795631.34W, 3,419 MSL AAO 364135.14N-0801329.10W**

| (5) City, State | (6) Airport | (7) Effective Date | (8) Amdt. No. |
|---|---|---|---|
| MARTINSVILLE, VA | BLUE RIDGE | 11 FEB 2010 | 3 |

**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**
**GPS STANDARD INSTRUMENT APPROACH PROCEDURE**
**FLIGHT STANDARDS SERVICE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**TERMINAL ROUTES**

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| | | | |

**MISSED APPROACH**

ADDITIONAL FLIGHT DATA:

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2.
3. FAC ____ FAF ____ DIST FAF TO MAP ____ THLD ____
4. MIN. ALT
8. MSA FROM:

MAG VAR: EPOCH YEAR:

TAKEOFF: | STANDARD | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: NA

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

NOTES:

**PROCEDURE CANCELED EFFECTIVE** 11 FEB 2010

QUALITY 2 CHECKED

| CITY AND STATE | ELEVATION: 5525 TDZE: 5456 | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP |
|---|---|---|---|---|
| **RIVERTON, WY** | AIRPORT NAME: **RIVERTON REGIONAL** | **GPS** | **GPS RWY 28, ORIG-A, 3/23/2000** | AMDT **ORIG** |
| | | | | DATE **8/15/1996** |

**FAA FORM 8260-5 / December 2002 (computer generated)**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# ILS - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| RIW VOR/DME | DONVY INT/RIW 13.39 DME | 098.72 / 13.39 | 8600 |
| BOY VOR/DME | DONVY INT/RIW 13.39 DME | 153.80 / 29.93 | 9700 |
| FETIK/RIW 13.39 DME CW (IAF) | DONVY INT/RIW 13.39 DME (NOPT) | 13.39 DME ARC (RIW LR-090) | 8600 |
| HONOX/RIW 13.39 DME CCW (IAF) | DONVY INT/RIW 13.39 DME (NOPT) | 13.39 DME ARC (RIW LR-108) | 8600 |
| DONVY INT/RIW 13.39 DME (IF/IAF) | LIMNY INT/RIW 7.38 DME | 283.31 / 6.02 (I-RIW) | 7700 |

## MISSED APPROACH

ILS: DA
LOC: 6.80 MILES AFTER LIMNY INT/RIVERTON 7.38 DME

CLIMB TO 6800 THEN CLIMBING RIGHT TURN TO 7700 DIRECT RIW VOR/DME AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 6000 THEN CLIMBING RIGHT TURN TO 9600 VIA HEADING 050 AND VIA BOY VOR/DME R-180 TO FETIK/BOY 11.41 DME AND HOLD S, RT, 000.05 INBOUND. DME REQUIRED.

ADDITIONAL FLIGHT DATA:
HOLD W, RT, 095.01 INBOUND.
CHART: ALTERNATE MA HOLDING, HOLD S FETIK/BOY 11.41 DME, RT, 000.05 INBOUND.
CHART RIW R-360 AT FETIK.
CHART RIW R-164 AT HONOX.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD E DONVY, RT, 283.31 INBOUND, 8600 FT. IN LIEU OF PT (IAF)
3. FAC: 283.31 FAF: LIMNY INT/RIW 7.38 DME DIST FAF TO MAP: 6.80 THLD: 6.80
4. MIN. ALT: DONVY 8600, LIMNY 7700
5. DIST TO THLD FROM OM: - MM: 0.52 IM: - 150 HAT: - 100 HAT: - GS ANT: 829
6. MIN GS INCPT: 7700 GS ALT AT: LIMNY INT/RIW 7.38 DME 7700 OM: - MM: 5658 IM: -
7. GS ANGLE: 3.00 TCH: 49.6
8. MSA FROM: RIW VOR/DME 070-160 8700, 160-250 11900, 250-070 9700

MAG VAR: 11E EPOCH YEAR: 2010

## MINIMUMS

TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | | ILS: STANDARD # LOC: STANDARD @

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| S-ILS 28 | 5656 | 1/2 | 200 | 5656 | 1/2 | 200 | 5656 | 1/2 | 200 | 5656 | 1/2 | 200 | | | |
| S-LOC 28 | 5880 | 1/2 | 424 | 5880 | 1/2 | 424 | 5880 | 3/4 | 424 | 5880 | 3/4 | 424 | | | |
| CIRCLING | 5980 | 1 | 452 | 5980 | 1 | 452 | 5980 | 1 1/2 | 452 | 6080 | 2 | 552 | | | |

NOTES:
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LANDER ALTIMETER SETTING AND INCREASE ALL DA 53 FEET, ALL MDA 60 FEET, AND S-LOC CAT D VISIBILITY 1/4 MILE.
CHART NOTE: FOR INOPERATIVE MALSR WHEN, USING LANDER ALTIMETER SETTING, INCREASE S-ILS ALL CATS VISIBILITY TO 1 MILE.

# @ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY 2 CHECKED

| CITY AND STATE | ELEVATION: 5528 TDZE: 5456 | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| RIVERTON, WY | AIRPORT NAME: RIVERTON REGIONAL | I-RIW | ILS OR LOC RWY 28, AMDT 2 11 FEB 2010 | AMDT: 1C |
| | | | | DATED 03/12/2009 |

FAA FORM 8260 - 3 / December 2002 (computer generated)

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33

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## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| RIW VOR/DME | TIDHU (FO) | 282.78 / 10.78 | 7900 |
| ARUXY (IAF) | TIDHU (NOPT) (FB) | 113.66 / 12.33 | 7900 |
| TIDHU (IF/IAF) | SAHKA (FB) | 103.15 / 6.20 | 6800 |

## MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW10

CLIMB TO 8600 DIRECT DONVY AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD E, RT, 283.49 INBOUND.
CHART FAS OBST: 5679 TOWER 430449N/1082923W
DISTANCE TO THLD FROM 391 HAT: 1.07 NM.
CHART VDP AT 1.14 MILES TO RW10* *LNAV ONLY.
WAAS CHANNEL # 42899
REFERENCE PATH ID: W10A

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD W TIDHU, RT, 103.15 INBOUND, 7900 FT. IN LIEU OF PT (IAF)
3. FAC: 103.24 FAF: SAHKA DIST FAF TO MAP: 3.80 THLD: 3.80
4. MIN. ALT: TIDHU 7900, SAHKA 6800
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 6800 GS ALT AT: SAHKA OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 50.0 34:1 IS NOT CLEAR
8. MSA FROM: RW10 12300

MAG VAR: 11E EPOCH YEAR: 2010

## MINIMUMS

TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD @

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| LPV DA | 5919 | 1 1/4 | 391 | 5919 | 1 1/4 | 391 | 5919 | 1 1/4 | 391 | 5919 | 1 1/4 | 391 | | | |
| LNAV/VNAV DA | 5976 | 1 1/2 | 448 | 5976 | 1 1/2 | 448 | 5976 | 1 1/2 | 448 | 5976 | 1 1/2 | 448 | | | |
| LNAV MDA | 5940 | 1 | 412 | 5940 | 1 | 412 | 5940 | 1 1/4 | 412 | 5940 | 1 1/4 | 412 | | | |
| CIRCLING | 5980 | 1 | 452 | 5980 | 1 | 452 | 5980 | 1 1/2 | 452 | 6080 | 2 | 552 | | | |

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -26C (-14F) OR ABOVE 37C (98F).
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
SEE 8260-10

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 5528 TDZE: 5528 AIRPORT NAME: | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| RIVERTON, WY | RIVERTON REGIONAL | RNAV | RNAV (GPS) RWY 10, AMDT 1<br>11 FEB 2010 | AMDT: ORIG<br>DATED 04/13/2006 |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**NOTES CONT.**
**CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.**
**CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LANDER ALTIMETER SETTING AND INCREASE ALL DA 53 FEET AND ALL MDA 60 FEET, AND INCREASE LPV AND LNAV-VNAV ALL CATS AND LNAV CAT D VISIBILITY 1/4 MILE.**
**CHART NOTE: BARO-VNAV AND VDP NA WHEN USING LANDER ALTIMETER SETTING.**

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 5528 TDZE: 5528 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| RIVERTON, WY | AIRPORT NAME: RIVERTON REGIONAL | RNAV | RNAV (GPS) RWY 10, AMDT 1 11 FEB 2010 | AMDT: ORIG |
| | | | | DATED: 04/13/2006 |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## FAS DATA BLOCK INFORMATION

| DATA FIELD | DATA |
|---|---|
| OPERATION TYPE | 0 |
| SBAS SERVICE PROVIDER IDENTIFIER | 0 |
| AIRPORT IDENTIFIER | KRIW |
| RUNWAY | RW10 |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | |
| REFERENCE PATH DATA SELECTOR | 0 |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | W10A |
| LTP/FTP LATITUDE | 430410.3900N |
| LTP/FTP LONGITUDE | 1082821.1800W |
| LTP/FTP ELLIPSOIDAL HEIGHT | +16711 |
| FPAP LATITUDE | 430333.7100N |
| FPAP LONGITUDE | 1082630.4000W |
| THRESHOLD CROSSING HEIGHT (TCH) | 00050.0 |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F |
| GLIDEPATH ANGLE (GPA) | 03.00 |
| COURSE WIDTH AT THRESHOLD | 106.75 |
| LENGTH OFFSET | 0248 |
| HORIZONTAL ALERT LIMIT (HAL) | 40.0 |
| VERTICAL ALERT LIMIT (VAL) | 50.0 |
| CRC REMAINDER | 4EF0AE27 |

## ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|---|---|
| ICAO CODE | K1 |
| LTP ORTHOMETRIC HEIGHT | +16849 |
| FPAP ORTHOMETRIC HEIGHT | +16849 |

QUALITY 6

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**ARINC PACKET - 424-18 - RNAV (GPS)**

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------
        SUSAD        RIW   K1010880VDLW N43035660W108271990    N43035660W108271990E0160054501     NARRIVERTON

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ARUXY K10    C   L N43151827W108543943                          NAR          ARUXY
        SUSAEAENRT   DONVY K10    C     N42581922W108104565                          NAR          DONVY
        SUSAEAENRT   SAHKA K10    W     N43054404W108330464                          NAR          SAHKA
        SUSAEAENRT   TIDHU K10    W     N43081658W108404812                          NAR          TIDHU

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------
        SUSAP KRIWK1ARIW     0     082YHN43035125W108273543E011005528         18000018000C    MNAR    RIVERTON REGIONAL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------
        SUSAP KRIWK1FR10   AARUXY 010ARUXYK1EA0E  A    IF                                          18000                A JS
        SUSAP KRIWK1FR10   AARUXY 020TIDHUK1EA0EE B 010TF                      11370123    + 07900                      A JS
        SUSAP KRIWK1FR10   ARIW   010RIW  K1D 0V       IF                                          18000                A JS
        SUSAP KRIWK1FR10   ARIW   020TIDHUK1EA0EY   020TF                     28280108    + 07900                      A JS
        SUSAP KRIWK1FR10   ARIW   030TIDHUK1EA0EE AR   HF                     10320070    + 07900                      A JS
        SUSAP KRIWK1FR10   R      010TIDHUK1EA0E  I    IF                                 + 07900     18000            A JS
        SUSAP KRIWK1FR10   R      020SAHKAK1EA1E  F 051TF                     10320062    + 06800              RW10  K1PGA JS
        SUSAP KRIWK1FR10   R      020SAHKAK1EA2WALPV       ALNAV/VNAV ALNAV                                            JS
        SUSAP KRIWK1FR10   R      030RW10 K1PGOGY M 031TF                     10320038      05578          -300         A JS
        SUSAP KRIWK1FR10   R      040DONVYK1EA0EYM  010DF                                  + 08600                    A JS
        SUSAP KRIWK1FR10   R      050DONVYK1EA0EE  R020HM                     28350070    + 08600                      A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------
        SUSAP KRIWK1GRW10    0082031033 N43041039W108282118-1000    +16711055280000050150R
```

| CITY AND STATE | ELEVATION: 5528 TDZE: 5528 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| RIVERTON, WY | AIRPORT NAME: RIVERTON REGIONAL | RNAV | RNAV (GPS) RWY 10, AMDT 1 11 FEB 2010 | AMDT: ORIG |
| | | | | DATED: 04/13/2006 |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KRIWK1PR10   RW10 001 0000W10A0N4304103900W10828211800+167110300N4303337100W108263040001067502480005 00F4005004EF0AE27
        SUSAP KRIWK1PR10   RW10 002E      +16849+16849LPV       42899

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KRIWK1SRW10 K1PG                0   18018012325                                                                    M
```

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 5528 TDZE: 5528 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| RIVERTON, WY | AIRPORT NAME: RIVERTON REGIONAL | RNAV | RNAV (GPS) RWY 10, AMDT 1<br>11 FEB 2010 | AMDT: ORIG<br>DATED: 04/13/2006 |

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| RIW VOR/DME | DONVY (FO) | 103.72 / 13.39 | 8600 |
| HUNTZ (IAF) | DONVY (NOPT) (FB) | 308.13 / 7.15 | 8600 |
| DONVY (IF/IAF) | LIMNY (FB) | 283.49 / 6.02 | 7700 |

## MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW28

CLIMB TO 7900 DIRECT TIDHU AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD W, RT, 103.15 INBOUND.
CHART FAS OBST: 5487 OL ON GS 430344N/1082649W
DISTANCE TO THLD FROM 200 HAT: 0.51 NM.
CHART VDP AT 0.90 MILES TO RW28* *LNAV ONLY.
WAAS CHANNEL # 61115
REFERENCE PATH ID: W28A

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD E DONVY, RT, 283.49 INBOUND, 8600 FT. IN LIEU OF PT (IAF)
3. FAC: 283.41 FAF: LIMNY DIST FAF TO MAP: 6.80 THLD: 6.80
4. MIN. ALT: DONVY 8600, LIMNY 7700
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 7700 GS ALT AT: LIMNY OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 49.6 34:1 IS CLEAR
8. MSA FROM: RW28 11900

MAG VAR: 11E EPOCH YEAR: 2010

## MINIMUMS

TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | | STANDARD @

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| LPV DA | 5656 | 1/2 | 200 | 5656 | 1/2 | 200 | 5656 | 1/2 | 200 | 5656 | 1/2 | 200 | | | |
| LNAV/VNAV DA | 5706 | 1/2 | 250 | 5706 | 1/2 | 250 | 5706 | 1/2 | 250 | 5706 | 3/4 | 250 | | | |
| LNAV MDA | 5780 | 1/2 | 324 | 5780 | 1/2 | 324 | 5780 | 1/2 | 324 | 5780 | 1 | 324 | | | |
| CIRCLING | 5980 | 1 | 452 | 5980 | 1 | 452 | 5980 | 1 1/2 | 452 | 6080 | 2 | 552 | | | |

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -26C (-14F) OR ABOVE 38C (100F).
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LNAV CAT D.
CHART NOTE: DME/DME RNP-0.3 NA.
SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

| CITY AND STATE | AIRPORT | FACILITY IDENTIFIER | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | |
|---|---|---|---|---|
| RIVERTON, WY | ELEVATION: 5528 TDZE: 5456<br>AIRPORT NAME: RIVERTON REGIONAL | RNAV | RNAV (GPS) RWY 28, ORIG<br>11 FEB 2010 | SUP:<br>AMDT: NONE<br>DATED |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**NOTES CONT.**
**CHART NOTE: BARO-VNAV AND VDP NA WHEN USING LANDER ALTIMETER SETTING.**
**CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV-VNAV CAT D VISIBILITY 1/4 MILE.**
**CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LANDER ALTIMETER SETTING AND INCREASE ALL DA 53 FEET AND ALL MDA 60 FEET.**
**CHART NOTE: FOR INOPERATIVE MALSR WHEN USING LANDER ALTIMETER SETTING, INCREASE LPV ALL CATS 1/2 MILE, AND LNAV/VNAV AND LNAV CAT D VISIBILITY 1/4 MILE.**

| CITY AND STATE | ELEVATION: 5528 TDZE: 5456 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| RIVERTON, WY | AIRPORT NAME: RIVERTON REGIONAL | RNAV | RNAV (GPS) RWY 28, ORIG 11 FEB 2010 | AMDT: NONE |
| | | | | DATED: |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## FAS DATA BLOCK INFORMATION

| DATA FIELD | DATA |
|---|---|
| OPERATION TYPE | 0 |
| SBAS SERVICE PROVIDER IDENTIFIER | 0 |
| AIRPORT IDENTIFIER | KRIW |
| RUNWAY | RW28 |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | |
| REFERENCE PATH DATA SELECTOR | 0 |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | W28A |
| LTP/FTP LATITUDE | 430337.0600N |
| LTP/FTP LONGITUDE | 1082640.5000W |
| LTP/FTP ELLIPSOIDAL HEIGHT | +16452 |
| FPAP LATITUDE | 430410.4000N |
| FPAP LONGITUDE | 1082821.2100W |
| THRESHOLD CROSSING HEIGHT (TCH) | 00049.6 |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F |
| GLIDEPATH ANGLE (GPA) | 03.00 |
| COURSE WIDTH AT THRESHOLD | 106.50 |
| LENGTH OFFSET | 0000 |
| HORIZONTAL ALERT LIMIT (HAL) | 40.0 |
| VERTICAL ALERT LIMIT (VAL) | 35.0 |
| CRC REMAINDER | 64221F75 |

## ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|---|---|
| ICAO CODE | K1 |
| LTP ORTHOMETRIC HEIGHT | +16591 |
| FPAP ORTHOMETRIC HEIGHT | +16591 |

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 5528 TDZE: 5456 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| RIVERTON, WY | AIRPORT NAME: RIVERTON REGIONAL | RNAV | RNAV (GPS) RWY 28, ORIG 11 FEB 2010 | AMDT: NONE |
| | | | | DATED: |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**ARINC PACKET - 424-18 - RNAV (GPS)**

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAD        RIW    K1010880VDLW N43035660W108271990    N43035660W108271990E0160054501     NARRIVERTON

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   DONVY K10    C     N42581922W108104565                          NAR          DONVY
        SUSAEAENRT   HUNTZ K10    C   L N42525505W108042342                          NAR          HUNTZ
        SUSAEAENRT   LIMNY K10    C     N43004868W108181350                          NAR          LIMNY
        SUSAEAENRT   TIDHU K10    W     N43081658W108404812                          NAR          TIDHU

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KRIWK1ARIW     0     082YHN43035125W108273543E011005528         18000C018000C    MNAR    RIVERTON REGIONAL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KRIWK1FR28   AHUNTZ 010HUNTZK1EA0E  A    IF                                          18000                A JS
        SUSAP KRIWK1FR28   AHUNTZ 020DONVYK1EA0EE B 010TF                    30810072    + 08600                      A JS
        SUSAP KRIWK1FR28   ARIW   010RIW  K1D 0V       IF                                          18000                A JS
        SUSAP KRIWK1FR28   ARIW   020DONVYK1EA0EY   020TF                    10370134    + 08600                      A JS
        SUSAP KRIWK1FR28   ARIW   030DONVYK1EA0EE AR   HF                    28350070    + 08600                      A JS
        SUSAP KRIWK1FR28   R      010DONVYK1EA0E  I    IF                                + 08600     18000            A JS
        SUSAP KRIWK1FR28   R      020LIMNYK1EA1E  F 051TF                    28350060    + 07700                RW28  K1PGA JS
        SUSAP KRIWK1FR28   R      020LIMNYK1EA2WALPV       ALNAV/VNAV ALNAV                                          JS
        SUSAP KRIWK1FR28   R      030RW28 K1PG0GY M 031TF                    28340068      05493          -300        A JS
        SUSAP KRIWK1FR28   R      040TIDHUK1EA0EYM  010DF                                 + 07900                      A JS
        SUSAP KRIWK1FR28   R      050TIDHUK1EA0EE  R020HM                    10320070    + 07900                      A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KRIWK1GRW28    0082032833 N43033706W108264050+1000    +16452054430000501501
```

| CITY AND STATE | ELEVATION: 5528 TDZE: 5456 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| RIVERTON, WY | AIRPORT NAME: RIVERTON REGIONAL | RNAV | RNAV (GPS) RWY 28, ORIG 11 FEB 2010 | AMDT: NONE |
| | | | | DATED: |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KRIWK1PR28   RW28 001 0000W28A0N4303370600W10826405000+164520300N4304104000W1082821210010650000000496F40035064221F75
        SUSAP KRIWK1PR28   RW28 002E      +16591+16591LPV       61115

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KRIWK1SRW28 K1PG                0   18018011925                                                                    M
```

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 5528 TDZE: 5456 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| RIVERTON, WY | AIRPORT NAME: RIVERTON REGIONAL | RNAV | RNAV (GPS) RWY 28, ORIG<br>11 FEB 2010 | AMDT: NONE<br>DATED: |

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-16 - RNAV (GPS)

| ROUTES | TRANSITION | FIX | SEQ | USE | PATH | TURN | FO/FB | RNP | MAG(TRUE) | DISTANCE | ALTITUDE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | HUNTZ | HUNTZ | 010 | IAF | IF | | FB | | | | |
| | HUNTZ | DONVY | 020 | IF | TF | | FB | 1.0 | 308.1(319T) | 007.2 | 08600 |
| | RIW | RIW | 010 | | IF | | FB | | | | |
| | RIW | DONVY | 020 | | TF | | FO | 2.0 | 103.7(115T) | 013.4 | 08600 |
| | RIW | DONVY | 030 | IAF | HF | R | FO | | 283.5(295T) | 007.0 | 08600 |
| | | DONVY | 010 | FACF | IF | | FB | | | | 08600 |
| | | LIMNY | 020 | FAF | TF | | FB | 0.5 | 283.5(295T) | 006.0 | 07700 |
| | | RW28 | 030 | MAP | TF | | FO | 0.3 | 283.4(294T) | 006.8 | 05493 |

| MISSED APPROACH | FIX | SEQ | USE | PATH | TURN | FO/FB | RNP | MAG(TRUE) | DISTANCE | ALTITUDE |
|---|---|---|---|---|---|---|---|---|---|---|
| | TIDHU | 040 | | DF | | FO | 1.0 | | | 07900 |
| | TIDHU | 050 | | HM | R | FO | 2.0 | 103.2(114T) | 007.0 | 07900 |

| POINT DATA | WAYPOINT | LAT IN SECS | LONG IN SECS | LAT IN MINS | LONG IN MINS |
|---|---|---|---|---|---|
| | RIW | N430356.60 | W1082719.90 | N4303.943 | W10827.332 |
| | DONVY | N425819.22 | W1081045.65 | N4258.320 | W10810.761 |
| | HUNTZ | N425255.05 | W1080423.42 | N4252.918 | W10804.390 |
| | LIMNY | N430048.68 | W1081813.50 | N4300.811 | W10818.225 |
| | TIDHU | N430816.58 | W1084048.12 | N4308.276 | W10840.802 |
| | RW28 | N430337.06 | W1082640.50 | N4303.618 | W10826.675 |

| RUNWAY DATA | RWY | THRESHOLD ELEVATION | TCH |
|---|---|---|---|
| | RW28 | 05443 | 50 |

| CITY AND STATE | ELEVATION: 5528 TDZE: 5456 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| RIVERTON, WY | AIRPORT NAME: RIVERTON REGIONAL | RNAV | RNAV (GPS) RWY 28, ORIG 11 FEB 2010 | AMDT: NONE |
| | | | | DATED: |

U.S. DEPARTMENT of TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

**(1) TAKEOFF MINIMUMS:**

**RWY 1, 10, 19, 28 STANDARD.**

**(2) TEXTUAL DEPARTURE PROCEDURE:**

**RWY 1, 10, 19, 28 - CLIMBING RIGHT TURN DIRECT RIW VOR/DME.**
**ALL AIRCRAFT CLIMB IN RIW HOLDING PATTERN (HOLD E, RT, 287.07 INBOUND) TO MEA FOR DIRECTION OF FLIGHT.**

**(3) TAKEOFF OBSTACLE NOTES:**

**NOTE: RWY 01, SAGE BRUSH BEGINNING 35' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 3' AGL/5499' MSL.**
**NOTE: RWY 10, SAGE BRUSH BEGINNING 20' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 3' AGL/5466' MSL.**
**NOTE: RWY 19, SAGE BRUSH BEGINNING 49' FROM DER, 171' RIGHT OF CENTERLINE, UP TO 3' AGL/5479' MSL. WINDSTOCKS BEGINNING 154' FROM DER, 268' RIGHT OF CENTERLINE, UP TO 28' AGL/5468' MSL.**
**NOTE: RWY28, SAGE BRUSH, TOWER, AND POLE BEGINNING 54' FROM DER, 154' RIGHT OF CENTERLINE, UP TO 59'AGL/5679' MSL. SAGE BRUSH, FENCE, AND POLES BEGINNING 132' FROM DER, 27' LEFT OF CENTERLINE, UP TO 67' AGL/5647' MSL.**

**(4) CONTROLLING OBSTACLES:**

**RWY 1, 10, 19, 28: 13399 MSL AAO 424229.53N-1090741.04W.**

| (5) City, State | (6) Airport | (7) Effective Date | (8) Amdt. No. |
|---|---|---|---|
| RIVERTON, WY | RIVERTON REGIONAL | 11 FEB 2010 | 1 |

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

VOR STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97.23

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| RIW VOR/DME | PYLOT INT/6.50 DME | 275.01 / 6.50 | 7900 |
| ROWEY INT/RIW 30.98 DME (IAF) | SASSY INT/RIW 16.39 DME (NOPT) | 141.00 / 6.55 (HDG) & 095.01 / 9.69 (R-275) | 8800 |
| SASSY INT/RIW 16.39 DME (IF) | PYLOT INT/6.50 DME | 095.01 / 9.89 (R-275) | 7400 |

## MISSED APPROACH

MAP: RIW VOR/DME

CLIMB TO 7900 IN RIW VOR/DME HOLDING PATTERN.

ADDITIONAL FLIGHT DATA:

HOLD W, RT, 095.01 INBOUND.
CHART FAS OBST: 5679 TOWER 430449N/1082923W
CHART 5721 BUSH 430727.00N/1083721.00W
PYLOT TO RW10: 3.00/50.
CHART (EQDIJ) AT INTERSECTION OF DR LEG AND INTERMEDIATE COURSE
FAC 155L OF RWY C/L EXTENDED 3000 FROM THLD.

1. PT R SIDE OF COURSE 275.01 OUTBOUND 7800 FT WITHIN 10 MILES OF PYLOT (IAF)
2.
3. FAC 095.01 FAF PYLOT INT/6.50 DME DIST FAF TO MAP THLD 5.72
4. MIN. ALT PYLOT INT/6.50 DME 7400
8. MSA FROM: RIW VOR/DME 070-160 8700, 160-250 11900, 250-070 9700

MAG VAR: 16E EPOCH YEAR:1965

## MINIMUMS

TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | | STANDARD @

| CATEGORY ====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA |
| S-10 | 5940 | 1 | 412 | 5940 | 1 | 412 | 5940 | 1 1/4 | 412 | 5940 | 1 1/4 | 412 | | | |
| CIRCLING | 5980 | 1 | 452 | 5980 | 1 | 452 | 5980 | 1 1/2 | 452 | 6080 | 2 | 552 | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

NOTES:

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LANDER ALTIMETER SETTING AND INCREASE ALL MDA 60FT AND INCREASE S-10 CAT D VISIBILITY 1/4 MILE.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED 2

| CITY AND STATE | | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP |
|---|---|---|---|---|
| RIVERTON, WY | ELEVATION: 5528 TDZE: 5528<br>AIRPORT NAME: RIVERTON REGIONAL | RIW | VOR RWY 10, AMDT 9<br>11 FEB 2010 | AMDT 8B<br>DATE 07/05/2007 |

FAA FORM 8260-5 / December 2002 (computer generated)

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

VOR STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97.23

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| RIW VOR/DME | KIRBI INT/RIW 4.07 DME | 107.07 / 4.07 | 9100 |
| HUNTZ INT/RIW 20.13 DME (IAF) | ALKEY INT/RIW 12.70 DME | 287.07 / 7.42 (R-107) | 7900 |
| ALKEY INT/RIW 12.70 DME (IF) | EMAVY INT/RIW 8.35 DME | 287.07 / 4.35 (R-107) | 7000 |
| EMAVY INT/RIW 8.35 DME | KIRBI INT/RIW 4.07 DME | 287.07 / 4.28 (R-107) | 6600 |

## MISSED APPROACH

MAP: RIW VOR/DME

CLIMB TO 7700 IN RIW VOR/DME HOLDING PATTERN.

ADDITIONAL FLIGHT DATA:

HOLD E, RT, 287.07 INBOUND.
CHART FAS OBST: 5513 ROD ON OL APBN
430342N/1082721W
CHART VDP AT 1.98 DME;
DISTANCE VDP TO THLD 1.40 MILES.
KIRBI TO RW28: 2.98/52.
FAC CROSSES RWY C/L EXTENDED 404 FROM THLD.

1. PT L SIDE OF COURSE 107.07 OUTBOUND 7900 FT WITHIN 10 MILES OF KIRBI (IAF)
2.
3. FAC 287.07 FAF KIRBI INT/RIW 4.07 DME DIST FAF TO MAP THLD 3.49
4. MIN. ALT KIRBI 6600
8. MSA FROM: RIW VOR/DME 070-160 8700, 160-250 11900, 250-070 9700

MAG VAR: 16E EPOCH YEAR:1965

## MINIMUMS

TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: NA | STANDARD @

| CATEGORY ==>> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA |
| S-28 | 5940 | 1/2 | 484 | 5940 | 1/2 | 484 | 5940 | 3/4 | 484 | 5940 | 1 | 484 | | | |
| CIRCLING | 5980 | 1 | 452 | 5980 | 1 | 452 | 5980 | 1 1/2 | 452 | 6080 | 2 | 552 | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

NOTES:

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LANDER ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET AND S-28 CATS C AND D VISIBILITY 1/4 MILE.
CHART NOTE: VDP NA WHEN USING LANDER ALTIMETER SETTING.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY 2 CHECKED

| CITY AND STATE | ELEVATION: 5528 TDZE: 5456 | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP |
|---|---|---|---|---|
| RIVERTON, WY | AIRPORT NAME: RIVERTON REGIONAL | RIW | VOR RWY 28, AMDT 9 11 FEB 2010 | AMDT 8B |
| | | | | DATE 07/05/2007 |

[4910-13]

DEPARTMENT OF TRANSPORTATION

14 CFR Part 97

[Docket No. 30704 ; Amdt. No. 3355]

Standard Instrument Approach Procedures, and Takeoff Minimums and Obstacle Departure Procedures; Miscellaneous Amendments

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Final Rule.

SUMMARY: This rule establishes, amends, suspends, or revokes Standard Instrument Approach Procedures (SIAPs) and associated Takeoff Minimums and Obstacle Departure Procedures for operations at certain airports. These regulatory actions are needed because of the adoption of new or revised criteria, or because of changes occurring in the National Airspace System, such as the commissioning of new navigational facilities, adding new obstacles, or changing air traffic requirements. These changes are designed to provide safe and efficient use of the navigable airspace and to promote safe flight operations under instrument flight rules at the affected airports.

DATES: This rule is effective [INSERT DATE OF PUBLICATION IN THE FEDERAL REGISTER]. The compliance date for each SIAP, associated Takeoff Minimums, and ODP is specified in the amendatory provisions.

The incorporation by reference of certain publications listed in the regulations is approved by the Director of the Federal Register as of [INSERT DATE OF PUBLICATION IN THE FEDERAL REGISTER].

ADDRESSES: Availability of matter incorporated by reference in the amendment is as follows:

For Examination -

1. FAA Rules Docket, FAA Headquarters Building, 800 Independence Avenue, SW, Washington, DC 20591;

2. The FAA Regional Office of the region in which the affected airport is located;

3. The National Flight Procedures Office, 6500 South MacArthur Blvd., Oklahoma City, OK 73169 or,

4. The National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to: http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.

Availability - All SIAPs are available online free of charge. Visit nfdc.faa.gov to register. Additionally, individual SIAP and Takeoff Minimums and ODP copies may be obtained from:

1.FAA Public Inquiry Center (APA-200), FAA Headquarters Building, 800 Independence Avenue, SW., Washington, DC 20591; or

2.The FAA Regional Office of the region in which the affected airport is located.

FOR FURTHER INFORMATION CONTACT: Harry J. Hodges, Flight Procedure Standards Branch (AFS-420)Flight Technologies and Programs Division, Flight Standards Service, Federal Aviation Administration, Mike Monroney Aeronautical Center, 6500 South MacArthur Blvd., Oklahoma City, OK. 73169 (Mail Address: P.O. Box 25082 Oklahoma City, OK. 73125) telephone: (405) 954-4164.

SUPPLEMENTARY INFORMATION: This rule amends Title 14, Code of Federal Regulations, Part 97 (14 CFR part 97) by amending the referenced SIAPs. The complete regulatory description of each SIAP is listed on the appropriate FAA Form 8260, as modified by the National Flight Data Center (FDC)/Permanent Notice to Airmen (P-NOTAM), and is incorporated by reference in the amendment under 5 U.S.C. 552(a), 1 CFR part 51, and §97.20 of Title 14 of the Code of Federal Regulations.

The large number of SIAPs, their complex nature, and the need for a special format make their verbatim publication in the Federal Register expensive and impractical. Further, airmen do not use the regulatory text of the SIAPs, but refer to their graphic depiction on charts printed by publishers of aeronautical materials. Thus, the advantages of incorporation by reference are realized and publication of the complete description of each SIAP contained in FAA form documents is unnecessary. This amendment provides the affected CFR sections and specifies the types of SIAP and the corresponding effective dates. This amendment also identifies the airport and its location, the procedure and the amendment number.

THE RULE

This amendment to 14 CFR part 97 is effective upon publication of each separate SIAP as amended in the transmittal. For safety and timeliness of change considerations, this amendment incorporates only specific changes contained for each SIAP as modified by FDC/P-NOTAMs.

The SIAPs, as modified by FDC P-NOTAM, and contained in this amendment are based on the criteria contained in the U.S. Standard for Terminal Instrument Procedures (TERPS). In developing these changes to SIAPs, the TERPS criteria were applied only to specific conditions existing at the affected airports. All SIAP amendments in this rule have been previously issued by the FAA in a FDC NOTAM as an emergency action of immediate flight safety relating directly to published aeronautical charts. The circumstances which created the need for all these SIAP amendments requires making them effective in less than 30 days.

Because of the close and immediate relationship between these SIAPs and safety in air commerce, I find that notice and public procedure before adopting these SIAPs are impracticable and contrary to the public interest and, where applicable, that good cause exists for making these SIAPs effective in less than 30 days.

## CONCLUSION

The FAA has determined that this regulation only involves an established body of technical regulations for which frequent and routine amendments are necessary to keep them operationally current. It, therefore- (1) is not a "significant regulatory action" under Executive Order 12866; (2) is not a "significant rule" under DOT regulatory Policies and Procedures (44 FR 11034; February 26, 1979); and (3) does not warrant preparation of a regulatory evaluation as the anticipated impact is so minimal. For the same reason, the FAA certifies that this amendment will not have a significant economic impact on a substantial number of small entities under the criteria of the Regulatory Flexibility Act.

List of Subjects in 14 CFR part 97:

Air Traffic Control, Airports, Incorporation by reference, and Navigation (Air).

Issued in Washington, DC on DEC 25 2009.

John M. Allen

John M. Allen
Director, Flight Standards Service

ADOPTION OF THE AMENDMENT

Accordingly, pursuant to the authority delegated to me, Title 14, Code of Federal regulations, Part 97, 14 CFR part 97, is amended by amending Standard Instrument Approach Procedures, effective at 0901 UTC on the dates specified, as follows:

Part 97 – Standard Instrument Approach Procedures

1. The authority citation for part 97 continues to read as follows:

AUTHORITY: 49 U.S.C. 106(g), 40103, 40106, 40113, 40114, 40120, 44502, 44514, 44701, 44719, 44721-44722.

2. Part 97 is amended to read as follows:

**By amending: §97.23 VOR, VOR/DME, VOR or TACAN, and VOR/DME or TACAN; §97.25 LOC, LOC/DME, LDA, LDA/DME, SDF, SDF/DME; §97.27 NDB, NDB/DME; §97.29 ILS, ILS/DME, MLS, MLS/DME, MLS/RNAV; §97.31 RADAR SIAPs; §97.33 RNAV SIAPs; and §97.35 COPTER SIAPs, Identified as follows:**
**.....EFFECTIVE UPON PUBLICATION**

| AIRAC DATE | STATE | CITY | AIRPORT | FDC NUMBER | FDC DATE | SUBJECT |
|---|---|---|---|---|---|---|
| 14-Jan-10 | TX | LONGVIEW | EAST TEXAS RGNL | 9/5041 | 12/16/09 | VOR/DME OR TACAN RWY 31, AMDT 7 |
| 11-Feb-10 | WA | SEATTLE | SEATTLE-TACOMA INTL | 9/5533 | 12/18/09 | ILS OR LOC RWY 16R, ORIG-B; ILS RWY 16R (CAT II), ORIG-B; ILS RWY 16R (CAT III), ORIG-B |

**AIRAC Date: 14 JAN 2010**

FDC 9/5041 GGG FI/P EAST TEXAS RGNL, LONGVIEW, TX. VOR/DME OR TACAN RWY 31, AMDT 7...CIRCLING CATS A/B/C MDA 860/HAA 495. CHANGE ARGEN INT/GGG 14.00 DME TO ARGEN /GGG 14.00 DME. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GILMER ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET AND INCREASE S-31 CATS C/D/E AND CIRCLING CAT E VISIBILITY 1/4 MILE. CHART NOTE: VDP NA WHEN USING GILMER ALTIMETER SETTING. JEPIN/GGG 6.00 DME 1060 ASTERISK. ASTERISK 1120 WHEN USING GILMER ALTIMETER SETTING. THIS IS VOR/DME OR TACAN RWY 31, AMDT 7A

**AIRAC Date: 11 FEB 2010**

FDC 9/5533 SEA FI/P SEATTLE-TACOMA INTL, SEATTLE, WA. ILS OR LOC RWY 16R ORIG-B. ILS RWY 16R (CAT II) ORIG-B. ILS RWY 16R (CAT III) ORIG-B…S-ILS 16R CAT IIIB RVR 300. THIS IS ILS OR LOC RWY 16R ORIG-C. THIS IS ILS RWY 16R (CAT II) ORIG-C. THIS IS ILS RWY 16R (CAT III) ORIG-C.