

U.S. Department  
of Transportation

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

**Federal Aviation  
Administration**

**Transmittal Letter 09-25**

**October 30, 2009**

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

**Notice - Notice - Notice**

**Revised IAP Chart Format, Addition of Procedure Effective Date**



Effective 22 Oct 2009, all original and amended US Government Instrument Approach Procedure (IAP) charts will contain a Procedure Amendment Date. This date reflects the AIRAC cycle date of the latest procedural revision and will appear in the lower left margin adjacent to and associated with the amendment number (e.g., AMDT 4B 22OCT09, ORIG 22OCT09, etc). The Julian Date (Jdate, i.e. 09295) on these new/amended procedures will be relocated to the upper right margin of the chart and continue to reflect the date on which the chart was revised for any reason. Similar chart revisions are being considered by non-government chart developers.

For IAPs promulgated in the Transmittal Letter (TL) via an 8260-series form, the Procedure Amendment Date is shown in the "PROCEDURE NO/AMENDMENT NO/EFFECTIVE DATE" block at the bottom of the form supporting the IAP. For P-NOTAM procedural amendments, an AIRAC Date will be listed in the first column of the NOTAM matrix following the second docket in the TL. This specified AIRAC date will be used as the Procedure Amendment Date as shown in the excerpt below.


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
22-Oct-09	IA	COUNCIL BLUFFS	COUNCIL BLUFFS MUNI	9/5812	8/22/2009	RNAV (GPS) RWY 32, ORIG

Sample US government revised chart header and footer are shown below.

Top of Chart:

ALEXANDRIA, MINNESOTA		AL-14 (FAA)		<b>Julian Date</b> → 09323	
WAAS CH <b>61007</b> <b>W31A</b>	APP CRS <b>315°</b>	Rwy Idg TDZE Apt Elev	<b>5100</b> <b>1423</b> <b>1424</b>	<b>RNAV (GPS) RWY 31</b> ALEXANDRIA/ CHANDLER FIELD (AXN)	
 Inoperative table does not apply to LPV & LNAV/VNAV Cats A/B/C and LNAV Cat C. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 46°C (114°F). DME/DME RNP -0.3 NA. VDP and Baro-VNAV NA when using Glenwood altimeter setting.				 MISSED APPROACH: Climb to 3500 direct OCIWE and via 352° track to TILER and hold.	

Bottom of Chart:

MIRL Rwy 4-22 and 13-31 	CIRCLING	1920-1 496 (500-1)	1720-172 496 (500-1½)	1700-2 556 (600-2)
ALEXANDRIA, MINNESOTA Amdt 1 22OCT09	<b>Procedure Effective Date</b> ←		ALEXANDRIA/ CHANDLER FIELD (AXN) <b>RNAV (GPS) RWY 31</b>	

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

**The following are corrected copies of procedures published in Transmittal Letter 09-24:**

Odessa, TX, Odessa-Schlemeyer Field, Takeoff Minimums and Obstacle DP, Amdt 2  
Logan, UT, Logan-Cache, Takeoff Minimums and Obstacle DP, Amdt 8  
Logan, UT, Logan-Cache, ORNEY ONE Graphic Obstacle DP

**The following procedure published in TL 09-23 is hereby rescinded in its' entirety:**

Winnefield, LA, David G. Joyce, NDB RWY 8, Amdt 1, CANCELLED

## 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, 11, 16, 29, 34 STANDARD.

RWY 20, 400 - 2 1/2 OR STANDARD WITH A MINIMUM CLIMB OF 225 FEET PER NM TO 3400, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FEET PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 2100 FEET PRIOR TO DEPARTURE END OF RUNWAY.

### (2) TEXTUAL DEPARTURE PROCEDURE:

This is corrected of a procedure published in TL 09-24.

**(3) TAKEOFF OBSTACLE NOTES:** NOTE: RWY 02, VEHICLE ON ROADWAY 184' FROM DER, LEFT AND RIGHT OF CENTERLINE, 15' AGL/3024' MSL. NOTE: RWY 16, BUILDING 466' FROM DER, 487' LEFT OF CENTERLINE, 50' AGL/3029' MSL. POWERLINES 896' FROM DER, LEFT AND RIGHT OF CENTERLINE, 30' AGL/2984' MSL. NOTE: RWY 20, TOWER 2.3 MILES FROM DER, 1311' LEFT OF CENTERLINE, 340' AGL/3287' MSL. NOTE: RWY 29, RISING TERRAIN, TREES AND POLES BEGINNING 8' FROM DER, 495' RIGHT OF CENTERLINE, UP TO 27' AGL/ 3012' MSL. NOTE: RWY 34, AIRPLANE ON TAXIWAY 21' FROM DER, 362' LEFT OF CENTERLINE, UP TO 17' AGL/3001' MSL. VEHICLES ON ROADWAY BEGINNING 48' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 16' AGL/3014' MSL. BUILDINGS AND HANGERS BEGINNING 739' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 50' AGL/3044' MSL.

### (4) CONTROLLING OBSTACLES:

RWY 20: 3287' MSL TOWER 315300.00N-1022430.00W.



(5) City, State <b>ODESSA, TX.</b>	(6) Airport <b>ODESSA-SCHLEMEYER FIELD</b>	(7) Effective Date <b>17 DEC 2009</b>	(8) Amdt. No. <b>2</b>
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## 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:

RWYS 10, 28, NA-OBSTACLES

### (2) TEXTUAL DEPARTURE PROCEDURE:

RWYS 17, 35 USE ORNEY DEPARTURE

THIS IS A CORRECTED COPY OF  
A PROC PUBLISHED IN TL 09-24.

### (3) TAKEOFF OBSTACLE NOTES:

### (4) CONTROLLING OBSTACLES:

QUALITY  
6  
CHECKED

(5) City, State

LOGAN, UT

(6) Airport

LOGAN-CACHE

(7) Effective Date

17 DEC 2009

(8) Amdt. No.

8



# 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 17: CLIMBING RIGHT TURN TO 12000 VIA LHO VOR/DME R-094 TO LHO VOR/DME AND RIGHT TURN VIA LHO R-012 TO ORNEY INT/LHO 12.34 DME AND LEFT TURN VIA LHO R-012 TO LHO VOR/DME. THENCE.... OR FOR CLIMB IN VISUAL CONDITIONS, CROSS LOGAN-CACHE AIRPORT AT OR ABOVE 9000, CLIMB TO 12000 VIA LHO R-077 TO LHO VOR/DME THENCE....  
TAKEOFF RWY 35: CLIMBING LEFT TURN TO 12000 VIA LHO VOR/DME R-059 TO LHO VOR/DME AND RIGHT TURN VIA LHO R-012 TO ORNEY INT/LHO 12.34 DME AND LEFT TURN VIA LHO R-012 TO LHO VOR/DME. THENCE.... OR FOR CLIMB IN VISUAL CONDITIONS, CROSS LOGAN-CACHE AIRPORT AT OR ABOVE 9000, CLIMB TO 12000 VIA LHO R-077 TO LHO VOR/DME THENCE....  
....CONTINUE CLIMBING IN LHO VOR/DME HOLDING PATTERN (N, LT, 172.70 INBOUND) TO 12000 BEFORE PROCEEDING ON COURSE.

## (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
THIS IS A CORRECTED COPY OF A PROC PUBLISHED IN TL 09-24. CHANGED NAME FROM LOGAN TO ORNEY DUE TO ORIG NAME DUPLICATION						

## (3) Procedural Data Notes / Takeoff Minimums:

RWY 10, 28, NA-OBSTACLES  
RWY 17: STANDARD WITH MINIMUM CLIMB OF 276 FEET PER NM TO 7100. OR 4700-3 FOR CLIMB IN VISUAL CONDITIONS.  
RWY 35: STANDARD WITH MINIMUM CLIMB OF 274 FEET PER NM TO 9500. OR 4700-3 FOR CLIMB IN VISUAL CONDITIONS.

## (4) Takeoff Obstacle Notes:

NOTE: RWY 17, RAILROAD, POLES, AND TREE BEGINNING 336' FROM DER, 220' LEFT OF CENTERLINE, UP TO 45' AGL/4495' MSL.  
NOTE: RWY 35, RAILROAD BEGINNING 205' FROM DER, 554' RIGHT OF CENTERLINE, UP TO 23' AGL/4490' MSL.

(5) Controlling Obstacles: RWY 17: 6439 MSL AAO, 414333.00N-1120209.00W, 9572 MSL AAO, 413810.30N-1120039.80W. RWY 35: 8444 MSL AAO, 415526.30N-1120728.40W, 9572 MSL AAO, 413810.30N-1120039.80W. VCOA: 8439 MSL AAO, 414844.30N-1114434.20W, 9572 MSL AAO, 413810.30N-1120039.80W.

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

(7) DP Name ORNEY	(8) Number ONE	(9) DP Computer Code ORNEY1.LHO	(10) Superseded Number NONE	(11) Dated	(12) Effective Date 17 DEC 2009
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<b>(13) Airports Served</b>					
Airport Name <b>LOGAN-CACHE</b>		City/State <b>LOGAN, UT</b>			
Airport Name		City/State			
Airport Name		City/State			
Airport Name		City/State			
Airport Name		City/State			
Airport Name		City/State			
Airport Name		City/State			
<b>(14) Lost Communications Procedures:</b>					
<b>(15) Communications:</b>					
<b>(16) Additional Flight Data:</b> CHART HOLDING AT LHO VOR/DME HOLD N, LT 173 INBOUND.					
<b>(17) Continuation:</b>					
<b>(7) DP Name</b>  <div style="text-align: center;">ORNEY</div>	<b>(8) Number</b>  <div style="text-align: center;">ONE</div>	<b>(9) DP Computer Code</b>  <div style="text-align: center;">ORNEY1.LOH</div>	<b>(10) Superseded Number</b>  <div style="text-align: center;">NONE</div>	<b>(11) Dated</b>	<b>(12) Effective Date</b>  <div style="text-align: center;">17 DEC 2009</div>

QUALITY  
6  
CHECKED

[4910-13]

DEPARTMENT OF TRANSPORTATION

14 CFR Part 97

[Docket No. 30695; Amdt. No.3347]

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\\_regulation/s/ibr\\_locations.html](http://www.archives.gov/federal_register/code_of_federal_regulation/s/ibr_locations.html).

Availability - All SIAPs are available online free of charge.

Visit [nfdc.faa.gov](http://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.

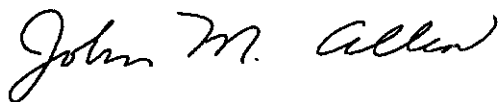
## CONCLUSION

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 Friday, October 30, 2009.

A handwritten signature in cursive script that reads "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:



**Effective 17 DEC 2009**

Galena, AK, Edward G. Pitka, Sr, ILS OR LOC/DME RWY 25, Amdt 1A,  
CANCELLED  
Hope, AR, Hope Muni, NDB RWY 16, Amdt 5  
Hope, AR, Hope Muni, Takeoff Minimums and Obstacle DP, Orig  
Twentynine Palms, CA, Twentynine Palms, RNAV (GPS) RWY 26, Amdt 1A  
Savannah, GA, Savannah/Hilton Head Intl, VOR/DME OR TACAN RWY 1, Orig-C  
Fort Dodge, IA, Fort Dodge Rgnl, ILS OR LOC RWY 6, Amdt 7  
Fort Dodge, IA, Fort Dodge Rgnl, RNAV (GPS) RWY 6, Amdt 1  
Fort Dodge, IA, Fort Dodge Rgnl, RNAV (GPS) RWY 12, Amdt 1  
Fort Dodge, IA, Fort Dodge Rgnl, RNAV (GPS) RWY 24, Amdt 1  
Fort Dodge, IA, Fort Dodge Rgnl, RNAV (GPG) RWY 30, Amdt 1  
Fort Dodge, IA, Fort Dodge Rgnl, Takeoff and Minimum Obstacle DP, Amdt 1  
Red Oak, IA, Red Oak Muni, GPS RWY 5, Orig, CANCELLED  
Red Oak, IA, Red Oak Muni, GPS RWY 17, Orig, CANCELLED  
Red Oak, IA, Red Oak Muni, RNAV (GPS) RWY 5, Orig  
Red Oak, IA, Red Oak Muni, RNAV (GPS) RWY 17, Orig  
Mc Comb, MS, Mc Comb/Pike County/John E Lewis Field, ILS OR LOC  
RWY 15, Amdt 1  
Havre, MT, Havre City-County, RNAV (GPS) RWY 8, Orig  
Havre, MT, Havre City-County, RNAV (GPS) RWY 26, Orig  
Havre, MT, Havre City-County, VOR RWY 8, Amdt 7  
Havre, MT, Havre City-County, VOR RWY 26, Amdt 9  
Havre, MT, Havre City-County, Takeoff Minimums and Obstacle DP, Amdt 3  
Hudson, NY, Columbia County, GPS RWY 3, Amdt 1A, CANCELLED  
Hudson, NY, Columbia County, GPS RWY 21, Orig-B, CANCELLED  
Hudson, NY, Columbia County, NDB-A, Amdt 4  
Hudson, NY, Columbia County, RNAV (GPS) RWY 3, Orig  
Hudson, NY, Columbia County, RNAV (GPS) RWY 21, Orig  
Ogdensburg, NY, Ogdensburg Intl, Takeoff Minimums and Obstacle DP, Amdt 1  
Oklahoma City, OK, Clarence E Paige Muni, RNAV (GPS) RWY 17R, Amdt 2  
Oklahoma City, OK, Clarence E Paige Muni, RNAV (GPS) RWY 35L Amdt 2  
Oklahoma City, OK, Clarence E Paige Muni, VOR-B, Amdt 3  
Lancaster, PA, Lancaster, ILS OR LOC RWY 8, Amdt 1  
Lancaster, PA, Lancaster, RNAV (GPS) RWY 8, Amdt 2  
Lancaster, PA, Lancaster, Takeoff Minimums and Obstacle DP, Amdt 1  
Lancaster, PA, Lancaster, VOR RWY 8, Amdt 21  
Lancaster, PA, Lancaster, VOR/DME RWY 8, Amdt 6  
Selinsgrove, PA, Penn Valley, RNAV (GPS)-B, Orig-A, CANCELLED  
Selinsgrove, PA, Penn Valley, RNAV (GPS) RWY 17, Orig  
Selinsgrove, PA, Penn Valley, Takeoff Minimums and Obstacle DP, Amdt 3  
Selinsgrove, PA, Penn Valley, VOR-A, Amdt 7  
Lancaster, SC, Lancaster County-McWhirter Field, NDB RWY 24, Amdt 5

Lancaster, SC, Lancaster County-McWhirter Field, RNAV (GPS) RWY 6, Amdt 1  
Lancaster, SC, Lancaster County-McWhirter Field, RNAV (GPS) RWY 24, Amdt 1  
Lancaster, SC, Lancaster County-McWhirter Field, Takeoff Minimums and Obstacle DP, Amdt 1  
Lancaster, SC, Lancaster County-McWhirter Field, VOR/DME-A, Amdt 1  
Pickens, SC, Pickens County, Takeoff Minimums and Obstacle DP, Orig  
Beaumont/Port Arthur, TX, Southeast Texas Rgnl, GPS RWY 12, Orig-A, CANCELLED  
Beaumont/Port Arthur, TX, Southeast Texas Rgnl, GPS RWY 16, Orig-A, CANCELLED  
Beaumont/Port Arthur, TX, Southeast Texas Rgnl, GPS RWY 30, Orig, CANCELLED  
Beaumont/Port Arthur, TX, Southeast Texas Rgnl, GPS RWY 34, Orig-C, CANCELLED  
Beaumont/Port Arthur, TX, Southeast Texas Rgnl, RNAV (GPS) RWY 12, Orig  
Beaumont/Port Arthur, TX, Southeast Texas Rgnl, RNAV (GPS) RWY 16, Orig  
Beaumont/Port Arthur, TX, Southeast Texas Rgnl, RNAV (GPS) RWY 30, Orig  
Beaumont/Port Arthur, TX, Southeast Texas Rgnl, RNAV (GPS) RWY 34, Orig  
Beaumont/Port Arthur, TX, Southeast Texas Rgnl, RADAR-1, Amdt 8, CANCELLED  
Fort Hood/Killeen, TX, Robert Gray AAF, COPTER VOR RWY 33, Amdt 2  
Fort Hood/Killeen, TX, Robert Gray AAF, ILS OR LOC RWY 15, Amdt 6  
Fort Hood/Killeen, TX, Robert Gray AAF, ILS OR LOC RWY 33, Amdt 1  
Fort Hood/Killeen, TX, Robert Gray AAF, NDB RWY 15, Amdt 6  
Fort Hood/Killeen, TX, Robert Gray AAF, RNAV (GPS) RWY 15, Amdt 1  
Fort Hood/Killeen, TX, Robert Gray AAF, RNAV (GPS) RWY 33, Amdt 1  
Fort Hood/Killeen, TX, Robert Gray AAF, VOR-A, Amdt 2  
Fort Hood/Killeen, TX, Robert Gray AAF, VOR/DME RWY 15, Amdt 3  
Georgetown, TX, Georgetown Muni, GPS RWY 11, Orig, CANCELLED  
Georgetown, TX, Georgetown Muni, GPS RWY 18, Orig, CANCELLED  
Georgetown, TX, Georgetown Muni, GPS RWY 29, Orig, CANCELLED  
Georgetown, TX, Georgetown Muni, GPS RWY 36, Orig, CANCELLED  
Georgetown, TX, Georgetown Muni, RNAV (GPS) RWY 11, Orig  
Georgetown, TX, Georgetown Muni, RNAV (GPS) RWY 18, Orig  
Georgetown, TX, Georgetown Muni, RNAV (GPS) RWY 29, Orig  
Georgetown, TX, Georgetown Muni, RNAV (GPS) RWY 36, Orig  
Georgetown, TX, Georgetown Muni, Takeoff Minimums and Obstacle DP, Orig  
Killeen, TX, Skylark Field, ILS OR LOC RWY 1, Amdt 3  
Killeen, TX, Skylark Field, RNAV (GPS) RWY 1, Orig  
Killeen, TX, Skylark Field, VOR-A, Amdt 4  
Lampasas, TX, Lampasas, RNAV (GPS) RWY 34, Orig  
Lampasas, TX, Lampasas, VOR-A, Amdt 4  
Lampasas, TX, Lampasas, Takeoff Minimums and Obstacle DP, Orig  
Llano, TX, Llano Muni, GPS RWY 17, Amdt 1, CANCELLED  
Llano, TX, Llano Muni, GPS RWY 35, Amdt 1A, CANCELLED

Llano, TX, Llano Muni, RNAV (GPS) RWY 17, Orig  
Llano, TX, Llano Muni, RNAV (GPS) RWY 35, Orig  
Llano, TX, Llano Muni, Takeoff Minimums and Obstacle DP, Orig  
Odessa, TX, Odessa-Schlemeyer Field, Takeoff Minimums and Obstacle DP, Amdt 2  
Renton, WA, Renton Muni, NDB RWY 16, Amdt 6  
Renton, WA, Renton Muni, RNAV (GPS) Y RWY 16, Amdt 3  
Renton, WA, Renton Muni, RNAV (GPS) Z RWY 16, Amdt 1  
Renton, WA, Renton Muni, Takeoff Minimums and Obstacle DP, Amdt 7  
Wenatchee, WA, Pangborn Memorial, VOR/DME-A, Amdt 8  
Wenatchee, WA, Pangborn Memorial, VOR/DME-C, Amdt 4  
Wenatchee, WA, Pangborn Memorial, VOR OR GPS-B, Amdt 4, CANCELLED  
Sheboygan, WI, Sheboygan County Memorial, Takeoff Minimums and Obstacle DP,  
Amdt 1  
Pinedale, WY, Pinedale/Ralph Wenz Field, RNAV (GPS) RWY 11, Amdt 1  
Pinedale, WY, Pinedale/Ralph Wenz Field, RNAV (GPS) RWY 29, Amdt 1

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				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	

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: \_\_\_\_\_

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: \_\_\_\_\_

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		
	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

NOTES:

PROCEDURE CANCELED EFFECTIVE 17 DEC 2009

CITY AND STATE GALENA, AK	ELEVATION: 152 TDZE: 152 AIRPORT NAME: EDWARD G. PITKA, SR	FACILITY IDENTIFIER: I-GAL	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC/DME RWY 25, AMDT 1A, 04/10/2008	SUP: AMDT: ORIG DATED UNKNOWN
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QUALITY  
1  
CHECKED

<b>U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION</b> <b>NDB STANDARD INSTRUMENT APPROACH PROCEDURE</b> <b>FLIGHT STANDARDS SERVICE - FAR PART 97.27</b>										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.									
<b>TERMINAL ROUTES</b>										<b>MISSED APPROACH</b>									
FROM			TO			COURSE AND DISTANCE				ALTITUDE		MAP: HPC NDB							
TXK VORTAC			HPC NDB			052.86 / 24.45				2200		CLIMB TO 1500, THEN CLIMBING LEFT TURN TO 2200 DIRECT HPC NDB AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD NW, LT, 151.00 INBOUND. FAS OBST: 532 STACK 334412N / 0933756W AWWUF TO RW16: 3.03/42. FAC CROSSES RWY C/L EXTENDED 593 FROM THLD.							
1. PT <u>R</u> SIDE OF COURSE <u>331.00</u> OUTBOUND <u>2200</u> FT WITHIN <u>10</u> MILES OF <u>HPC NDB</u> (IAF) 2. _____ 3. FAC <u>151.00</u> FAF _____ DIST FAF TO MAP _____ THLD _____ 4. MIN. ALT <u>AWWUF INT 1280</u> 8. MSA FROM: <u>HPC NDB 2200</u>										MAG VAR: 3E      EPOCH YEAR: 2000									
<b>MINIMUMS</b>																			
TAKEOFF:		STANDARD		<input checked="" type="checkbox"/>		SEE FAA FORM 8260-15A FOR THIS AIRPORT					ALTERNATE: N A		<input checked="" type="checkbox"/>						
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-16	1280	1 1/4	921	1280	1 1/4	921	1280	2 3/4	921	1280	3	921							
CIRCLING	1280	1 1/4	921	1280	1 1/4	921	1280	2 3/4	921	1280	3	921							
<b>AWWUF FIX MINIMUMS</b>																			
S-16	1020	1	661	1020	1	661	1020	1 3/4	661	1020	2	661							
CIRCLING	1020	1	661	1020	1	661	1020	1 3/4	661	1020	2	661							
NOTES:  CHART NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 16 PROCEDURE NA AT NIGHT. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: USE TEXARKANA ALTIMETER SETTING; WHEN NOT RECEIVED USE ARKADELPHIA ALTIMETER SETTING.																			
CITY AND STATE HOPE, AR				ELEVATION: 359    TDZE: 359 AIRPORT NAME:  HOPE MUNI				FACILITY IDENTIFIER: HPC		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 16, AMDT 5 17 DEC 2009				SUP AMDT 4 DATE 03/27/1997					



## 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 16, 34 STANDARD.**

**RWY 04, 22, NA – RWY CLOSED INDEFINITELY.**

### (2) TEXTUAL DEPARTURE PROCEDURE:

### (3) TAKEOFF OBSTACLE NOTES:

**NOTE: RWY 16, TREE 1395 FT FROM DER, 695 FT LEFT OF CENTERLINE, 70 FT AGL/409 FT MSL. TREE 1307 FT FROM DER, 842 FT RIGHT OF CENTERLINE, 70 FT AGL/399 FT MSL. TREE 2217 FT FROM DER, ON CENTERLINE, 70 FT AGL/399 FT MSL. RWY 34, TREES BEGINNING 504 FT FROM DER, 113 FT RIGHT OF CENTERLINE, UP TO 70 FT AGL/460 FT MSL. TREES BEGINNING 1173 FT FROM DER, 59 FT LEFT OF CENTERLINE, UP TO 70 FT AGL/457 FT MSL. BUSH 39 FT FROM DER, 162 FT LEFT OF CENTERLINE, 10 FT AGL/369 FT MSL. FENCE 154 FT FROM DER, 474 FT RIGHT OF CENTERLINE, 11 FT AGL/371 FT MSL. FENCE 410 FT FROM DER, 90 FT RIGHT OF CENTERLINE, 11 FT AGL/370 FT MSL. TERRAIN 43 FT FROM DER, 448 FT LEFT OF CENTERLINE, 365 FT MSL.**

### (4) CONTROLLING OBSTACLES:

QUALITY  
1  
CHECKED

(5) City, State

HOPE, AR

(6) Airport

HOPE MUNI

(7) Effective Date

17 DEC 2009

(8) Amdt. No.

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				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
TNP VORTAC	WISIR (FO)	078.83 / 7.67	6000	<b>LNAV: JUXIX</b>  <b>CLIMBING RIGHT TURN TO 6000 DIRECT WISIR AND HOLD.</b>  <b>ADDITIONAL FLIGHT DATA:</b> CHART FAS OBST: 1919 TREE 340752N/1155608W CHART SUNDANCE MOA. ZEDAB TO RW26: 3.10/40. CHART AIRPORT ELEV: 1888 FAC CROSSES RWY C/L EXTENDED 3000 FROM THLD.
JEHLI (IAF)	WISIR (NOPT) (FB)	244.24 / 2.39	6000	
WISIR (IF/IAF)	HURDI (FB)	261.94 / 6.00	4800	
HURDI	ZEDAB (FB)	261.88 / 4.00	3800	

- PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
- HOLD E WISIR, LT, 261.94 INBOUND, 6000 FT. IN LIEU OF PT (IAF)
- FAC: 261.83 FAF: ZEDAB DIST FAF TO MAP: 5.50 THLD: 5.99
- MIN. ALT: WISIR 6000, HURDI 4800, ZEDAB 3800
- DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
- MIN GS INCPT:        GS ALT AT:        OM:        MM:        IM:
- GS ANGLE:        TCH: 34:1 IS CLEAR
- MSA FROM: JUXIX 7100

MAG VAR: 15E

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		
	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	3040	1 1/4	1205	3040	1 1/2	1205		NA			NA				
CIRCLING	3240	1 1/4	1352	3240	1 1/2	1352		NA			NA				

NOTES:  
 CHART NOTE: WHEN PALM SPRINGS INTL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA.  
 CHART NOTE: CIRCLING NA SOUTH OF RWY 8-26.  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT TNP VORTAC AIRWAY RADIALS 028 CW 043.  
 CHART NOTE: USE PALM SPRINGS INTL ALTIMETER SETTING.

CITY AND STATE	ELEVATION: 1888 TDZE: 1835	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMD NO./EFFECTIVE DATE: RNAV (GPS) RWY 26, AMDT 1A 17 DEC 2009	SUP:
TWENTYNINE PALMS, CA	AIRPORT NAME: TWENTYNINE PALMS			AMDT: 1
				DATED 03/12/2009



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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KTNPK2FR26	AJEHLI	010JEHLIK2EA0E	A	IF					18000		B JS	I	
SUSAP KTNPK2FR26	AJEHLI	020WISIRK2EA0EE		010TF		24420024	+	06000			B JS	I	
SUSAP KTNPK2FR26	ATNP	010TNP K2D 0V		IF					18000		B JS	I	
SUSAP KTNPK2FR26	ATNP	020WISIRK2EA0EY		020TF		07880077	+	06000			B JS	I	
SUSAP KTNPK2FR26	ATNP	030WISIRK2EA0EE	AL	HF		26190060	+	06000			B JS	I	
SUSAP KTNPK2FR26	R	010WISIRK2EA0E	I	IF			+	06000	18000		B JS	I	
SUSAP KTNPK2FR26	R	011HURDIK2EA0E	S	051TF		26190060	+	04800			B JS	I	
SUSAP KTNPK2FR26	R	020ZEDABK2EA1E	F	051TF		26190040	+	03800		JUXIX K2EAB	JS	I	
SUSAP KTNPK2FR26	R	020ZEDABK2EA2WN			N	ALNAV					JS	I	
SUSAP KTNPK2FR26	R	030JUXIXK2EA0EY	M	031TF		26180055		01985		-310	B JS	I	
SUSAP KTNPK2FR26	R	040WISIRK2EA0EYM	R010DF				+	06000			B JS	I	
SUSAP KTNPK2FR26	R	050WISIRK2EA0EE		L020HM		26190060	+	06000			B JS	I	

[illegible]

CITY AND STATE  TWENTYNINE PALMS, CA	ELEVATION: 1888    TDZE: 1835  AIRPORT NAME:  TWENTYNINE PALMS	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  RNAV (GPS) RWY 26, AMDT 1A  17 DEC 2009	SUP:
				AMDT:                    1
				DATED:                03/12/2009



## 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 airport 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	1	2	3	4	5	6	7	8	9	0	1	2	3
-----													
SUSAP KTNPK2SJUXIXK2EA	0 18018007125										M I		



CITY AND STATE

TWENTYNINE PALMS, CA

ELEVATION: 1888

TDZE: 1835

AIRPORT NAME:

TWENTYNINE PALMS

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 26, AMDT 1A

17 DEC 2009

SUP:

AMDT:

1

DATED:

03/12/2009

**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 airport 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
	JEHLI	JEHLI	010	IAF	IF		FB				
	JEHLI	WISIR	020		TF		FB	1.0	244.2 (259T)	002.4	06000
	TNP	TNP	010		IF		FB				
	TNP	WISIR	020		TF		FO	2.0	078.8 (094T)	007.7	06000
	TNP	WISIR	030	IAF	HF	L	FO		261.9 (277T)	006.0	06000
		WISIR	010	FACF	IF		FB				06000
		HURDI	011	SDF	TF		FB	0.5	261.9 (277T)	006.0	04800
		ZEDAB	020	FAF	TF		FB	0.5	261.9 (277T)	004.0	03800
		JUXIX	030	MAP	TF		FO	0.3	261.8 (277T)	005.5	01985

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	WISIR	040		DF	R	FO	1.0			06000
	WISIR	050		HM	L	FO	2.0	261.9 (277T)	006.0	06000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	TNP	N340644.01	W1154611.68	N3406.734	W11546.195
	HURDI	N340656.31	W1154409.17	N3406.939	W11544.153
	JEHLI	N340639.80	W1153409.07	N3406.663	W11534.151
	JUXIX	N340804.15	W1155530.91	N3408.069	W11555.515
	WISIR	N340612.93	W1153658.76	N3406.216	W11536.979
	ZEDAB	N340725.00	W1154856.18	N3407.417	W11548.936
	RW26	N340803.98	W1155606.59	N3408.066	W11556.110

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW26	01786	40

QUALITY  
CHECKED

CITY AND STATE  
TWENTYNINE PALMS, CA

ELEVATION: 1888 TDZE: 1835  
 AIRPORT NAME:  
 TWENTYNINE PALMS

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
 RNAV (GPS) RWY 26, AMDT 1A  
 17 DEC 2009

SUP:  
 AMDT: 1  
 DATED: 03/12/2009

**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**  
**TACAN OR 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				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: OBICE/1.78 DME
SAV VORTAC	GONYE/16.00 DME	136.01 / 16.00	3000	CLIMB TO 4000 DIRECT SAV VORTAC AND VIA SAV R-000.82 TO TILLS INT/SAV 20.00 DME AND HOLD.
GONYE/SAV 16.00 DME CW (IAF)	EYOTA/16.00 DME	16.00 DME ARC	2500	
EYOTA/16.00 DME (IF)	FREMN/7.78 DME	006.16 / 8.22 (SAV R-186)	2000	
				ADDITIONAL FLIGHT DATA: HOLD N, RT, 180.82 INBOUND. CHART FAS OBST: 190 TOWER 320533N/0811100W CHART R-3005C, R-3005D. CHART VDP AT 3.02 DME; DISTANCE VDP TO THLD 1.25 MILES. CHART SAV R-136 AT GONYE. COCDA TO RW01: 2.98/74. FAC 213R OF RWY C/L EXTENDED 3000 FROM THLD.

1. PT NA SIDE OF COURSE OUTBOUND        FT WITHIN        MILES OF        (IAF)  
 2. PROFILE STARTS AT EYOTA/16.00 DME  
 3. FAC 006.16 FAF FREMN/7.78 DME        DIST FAF TO MAP        THLD 6.00  
 4. MIN. ALT EYOTA 2500, FREMN 2000  
 8. MSA FROM: SAV VORTAC 2600

MAG VAR: 6W

EPOCH YEAR: 2005

**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-1	500	5000	461	500	5000	461	500	6000	461	500	1 1/2	461	500	1 3/4	461		
CIRCLING	520	1	470	520	1	470	520	1 1/2	470	700	2	650	900	3	850		

**NOTES:**

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HILTON HEAD ISLAND, SC ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET AND S-1 CATS C/D/E AND CIRCLING CAT D VISIBILITIES 1/4 MILE.

@ CAT E 900-3

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CHART NOTE: VDP NA WHEN USING HILTON HEAD ISLAND ALTIMETER SETTING.



CITY AND STATE SAVANNAH, GA	ELEVATION: 50 TDZE: 39	FACILITY IDENTIFIER: SAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME OR TACAN RWY 1, ORIG-C  17 DEC 2009	SUP	
	AIRPORT NAME:  SAVANNAH/HILTON HEAD INTL			AMDT	ORIG-B
				DATE	07/02/2009

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.

CIRCLING CAT D VISIBILITY 1/2 MILE.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING WEBSTER CITY ALTIMETER SETTING, INCREASE S-ILS VISIBILITY ALL CATS TO 1 MILE, AND ATLOJ FIX MINIMUMS S-LOC CAT D VISIBILITY TO 1 1/4 MILE.



CITY AND STATE

FORT DODGE, IA

ELEVATION: 1157 TDZE: 1107

AIRPORT NAME:

FORT DODGE RGNL

FACILITY  
IDENTIFIER:  
I-FOD

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 6, AMDT 7

17 DEC 2009

SUP: ILS RWY 6

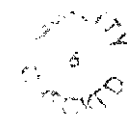
AMDT: 6B

DATED: 05/03/1990

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.



CITY AND STATE  
FORT DODGE, IA

ELEVATION: 1157 TDZE: 1107  
AIRPORT NAME:  
FORT DODGE RGNL

FACILITY  
IDENTIFIER:  
I-FOD

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
ILS OR LOC RWY 6, AMDT 7  
17 DEC 2009

SUP: ILS RWY 6  
AMDT: 6B  
DATED: 05/03/1990

<b>RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33</b>				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.								
<b>TERMINAL ROUTES</b>				<b>MISSED APPROACH</b>								
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW06  CLIMB TO 3000 DIRECT OXDAH AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD NE, RT, 243.17 INBOUND. CHART FAS OBST: 1249 TREE 423029N/0941633W CHART FAS OBST: 1114 TREE 423252N/0941239W CHART 1343 ANTENNA TOWER 423056N/0941800W DISTANCE TO THLD FROM 200 HAT: 0.54 NM. CHART VDP AT 1.15 MILES TO RW06* LNAV ONLY. WAAS CHANNEL # 61015 REFERENCE PATH ID: W06A								
IQFEF (IAF)	GEGQI (NOPT) (FB)	332.88 / 5.00	3000									
OGGHU (IAF)	GEGQI (NOPT) (FB)	152.82 / 5.00	3000									
GEGQI (IF/IAF)	EYROV (FB)	062.85 / 6.04	2800									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD SW GEGQI, RT, 062.85 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: 062.93 FAF: EYROV _____ DIST FAF TO MAP: 5.16 THLD: 5.16 4. MIN. ALT: GEGQI 3000, EYROV 2800 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2800 GS ALT AT: EYROV _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 54.4 34:1 IS CLEAR 8. MSA FROM: _____				MAG VAR: 2E EPOCH YEAR: 2010								
<b>MINIMUMS</b>												
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
LPV DA	1307	1/2	200	1307	1/2	200	1307	1/2	200	1307	1/2	200
LNAV/VNAV DA	1525	1	418	1525	1	418	1525	1	418	1525	1	418
LNAV MDA	1500	1/2	393	1500	1/2	393	1500	1/2	393	1500	1	393
CIRCLING	1560	1	403	1620	1	463	1620	1 1/2	463	1720	2	563
NOTES: CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 24 NA AT NIGHT. CHART NOTE: BARO-VNAV NA WHEN USING WEBSTER CITY ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 46C (114F). CHART NOTE: DME/DME RNP-0.3 NA. SEE 8260-10												
CITY AND STATE		ELEVATION: 1157 TDZE: 1107		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:			SUP:			
FORT DODGE, IA		AIRPORT NAME: FORT DODGE RGNL				RNAV (GPS) RWY 6, AMDT 1 17 DEC 2009			AMDT: ORIG			
									DATED 04/18/2002			

QUALITY  
 6  
 CHECKED

**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.

**NOTES CONT.**

CHART NOTE: VDP NA WHEN USING WEBSTER CITY ALTIMETER SETTING.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WEBSTER CITY ALTIMETER SETTING AND INCREASE ALL DA 42 FEET AND ALL MDA 60 FEET, INCREASE VISIBILITY LNAV/VNAV ALL CATS AND LNAV CATS C AND D 1/4 MILE.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING WEBSTER CITY ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY TO 1 MILE.

**TAA**

	<u>FROM</u>	<u>TO</u>	<u>ALT</u>
1.	333/30 CW 153/30 (NOPT)	GEGQI (IF/AF) (FB)	3000
2.	153/30 CW 243/30	OGGHU (IAF) (FB)	3400
3.	243/30 CW 333/30	IQFEF (IAF) (FB)	3000

QUALITY  
6  
CHECKED

CITY AND STATE

FORT DODGE, IA

ELEVATION: 1157 TDZE: 1107

AIRPORT NAME:

FORT DODGE RGNL

FACILITY  
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 6, AMDT 1

17 DEC 2009

SUP:

AMDT: ORIG

DATED: 04/18/2002

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 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

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KFOD
RUNWAY	RW06
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W06A
LTP/FTP LATITUDE	423251.4560N
LTP/FTP LONGITUDE	0941220.6785W
LTP/FTP ELLIPSOIDAL HEIGHT	+03006
FPAP LATITUDE	423319.7400N
FPAP LONGITUDE	0941058.6400W
THRESHOLD CROSSING HEIGHT (TCH)	00054.4
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	107.50
LENGTH OFFSET	0072
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER 70A1D1EB

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03290
FPAP ORTHOMETRIC HEIGHT	+03290



CITY AND STATE FORT DODGE, IA	ELEVATION: 1157 TDZE: 1107 AIRPORT NAME: FORT DODGE RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 6, AMDT 1 17 DEC 2009	SUP:
				AMDT: ORIG
				DATED: 04/18/2002



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.

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KFODK3FR06	AGEGQI	010GEGQIK3EA0EE	AR	HF		06290040	+	03000	18000		A	JS	G
SUSAP KFODK3FR06	AIQFEF	010IQFEFK3EA0E	A	IF					18000		A	JS	G
SUSAP KFODK3FR06	AIQFEF	020GEGQIK3EA0EE	B	010TF		33290050	+	03000			A	JS	G
SUSAP KFODK3FR06	AOGGHU	010OGGHUK3EA0E	A	IF					18000		A	JS	G
SUSAP KFODK3FR06	AOGGHU	020GEGQIK3EA0EE	B	010TF		15280050	+	03000			A	JS	G
SUSAP KFODK3FR06	R	010GEGQIK3EA0E	I	IF			+	03000	18000		A	JS	G
SUSAP KFODK3FR06	R	020EYROVK3EA1E	F	051TF		06290060	+	02800			A	JS	G
SUSAP KFODK3FR06	R	020EYROVK3EA2WALFV			ALNAV/VNAV	ALNAV						JS	G
SUSAP KFODK3FR06	R	030RW06 K3PG0GY	M	031TF		06290052		01134	-300		A	JS	G
SUSAP KFODK3FR06	R	040OXDAHK3EA0EYM		010DF			+	03000			A	JS	G
SUSAP KFODK3FR06	R	050OXDAHK3EA0EE		R020HM		24320040	+	03000			A	JS	G

[illegible][illegible]

QUALITY  
6  
CHECKED

CITY AND STATE  FORT DODGE, IA	ELEVATION: 1157      TDZE: 1107	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
	AIRPORT NAME:		RNAV (GPS) RWY 6, AMDT 1	AMDT:      ORIG
	FORT DODGE RGNL		17 DEC 2009	DATED:      04/18/2002

**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 airport 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
	GEGQI	GEGQI	010	IAF	HF	R	FO		062.9 (065T)	004.0	03000
	IQFEF	IQFEF	010	IAF	IF		FB				
	IQFEF	GEGQI	020	IF	TF		FB	1.0	332.9 (335T)	005.0	03000
	OGGHU	OGGHU	010	IAF	IF		FB				
	OGGHU	GEGQI	020	IF	TF		FB	1.0	152.8 (155T)	005.0	03000
		GEGQI	010	FACF	IF		FB				03000
		EYROV	020	FAF	TF		FB	0.5	062.9 (065T)	006.0	02800
		RW06	030	MAP	TF		FO	0.3	062.9 (065T)	005.2	01134

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	OXDAH	040		DF		FO	1.0			03000
	OXDAH	050		HM	R	FO	2.0	243.2 (245T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	EYROV	N423040.45	W0941839.91	N4230.674	W09418.665
	GEGQI	N422806.54	W0942603.59	N4228.109	W09426.060
	IQFEF	N422334.85	W0942311.53	N4223.581	W09423.192
	OGGHU	N423238.15	W0942856.07	N4232.636	W09428.935
	OXDAH	N423756.29	W0935732.42	N4237.938	W09357.540
	RW06	N423251.46	W0941220.68	N4232.858	W09412.345

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW06	01080	54

QUALITY  
6  
CHECKED

CITY AND STATE  
FORT DODGE, IA

ELEVATION: 1157 TDZE: 1107  
 AIRPORT NAME:  
 FORT DODGE RGNL

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
 RNAV (GPS) RWY 6, AMDT 1  
 17 DEC 2009

SUP:  
 AMDT: ORIG  
 DATED: 04/18/2002

US DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE												
HIVMU (IAF)	CUVPO (NOPT) (FB)	214.89 / 5.00	3400	LPV: DA LNAV/VNAV: DA LNAV: RW12  CLIMB TO 3400 DIRECT KINPE AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD SE, RT, 305.12 INBOUND. CHART FAS OBST: 1309 TREE 423508N/0941657W CHART FAS OBST: 1183 POLE 423328N/0941138W DISTANCE TO THLD FROM 277 HAT: 0.76 NM. CHART VDP AT 1.25 MILES TO RW12 *LNAV ONLY. WAAS CHANNEL # 99615 REFERENCE PATH ID: W12A											
IKEGE (IAF)	CUVPO (NOPT) (FB)	034.79 / 5.00	3400												
CUVPO (IF/IAF)	POCIR (FB)	124.84 / 6.04	2800												
1. PT <u>      </u> SIDE OF COURSE <u>      </u> OUTBOUND <u>      </u> FT WITHIN <u>      </u> MILES OF <u>      </u> (IAF) 2. HOLD NW CUVPO, RT, 124.84 INBOUND, 3400 FT. IN LIEU OF PT (IAF) 3. FAC: <u>124.92</u> FAF: <u>POCIR</u> DIST FAF TO MAP: <u>5.07</u> THLD: <u>5.07</u> 4. MIN. ALT: <u>CUVPO 3400, POCIR 2800</u> 5. DIST TO THLD FROM OM: <u>      </u> MM: <u>      </u> IM: <u>      </u> 150 HAT: <u>      </u> 100 HAT: <u>      </u> GS ANT: <u>      </u> 6. MIN GS INCPT: <u>2800</u> GS ALT AT: <u>POCIR</u> OM: <u>      </u> MM: <u>      </u> IM: <u>      </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>50.9</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u>      </u>				MAG VAR: 2E EPOCH YEAR: 2010											
<b>MINIMUMS</b>															
TAKEOFF: <u>      </u> STANDARD <input checked="" type="checkbox"/> SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N/A <u>      </u>				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	1405	1	277	1405	1	277	1405	1	277	1405	1	277			
LNAV/VNAV DA	1453	1 1/4	325	1453	1 1/4	325	1453	1 1/4	325	1453	1 1/4	325			
LNAV MDA	1560	1	432	1560	1	432	1560	1 1/4	432	1560	1 1/2	432			
CIRCLING	1560	1	403	1620	1	463	1620	1 1/2	463	1720	2	563			
NOTES: CHART NOTE: WHEN VGS1 INOP, CIRCLING RWY 24 NA AT NIGHT. 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															
CITY AND STATE		ELEVATION: 1157 TDZE: 1128		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
FORT DODGE, IA		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 12, AMDT 1				AMDT:		ORIG			
		FORT DODGE RGNL				17 DEC 2009				DATED		12/20/2007			

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

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**NOTES CONT.**

**CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WEBSTER CITY ALTIMETER SETTING AND INCREASE ALL DA 42 FEET AND ALL MDA 60 FEET, INCREASE LPV VISIBILITY ALL CATS 1/4 MILE.**

**CHART NOTE: VDP AND BARO-VNAV NA WHEN USING WEBSTER CITY ALTIMETER SETTING.**

**TAA**

	<u>FROM</u>	<u>TO</u>	<u>ALT</u>
1.	035/30 CW 215/30 (NOPT)	CUVPO (IF/IAF) (FB)	3400
2.	215/30 CW 305/30	HIVMU (IAF) (FB)	3400
3.	305/30 CW 035/30	IKEGE (IAF) (FB)	3400

QUALITY  
6  
CHECKED

CITY AND STATE

FORT DODGE, IA

ELEVATION: 1157 TDZE: 1128

AIRPORT NAME:

FORT DODGE RGNL

FACILITY  
IDENTIFIER:

RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 12, AMDT 1

17 DEC 2009

SUP:

AMDT: ORIG

DATED: 12/20/2007

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**DATA FIELD**

**DATA**

0  
0  
KFOD  
RW12  
0  
  
0  
W12A  
423319.0750N  
0941146.0550W  
+03106  
423225.4500N  
0941009.7800W  
00050.9  
F  
03.00  
106.75  
1136  
40.0  
50.0

**7D96F544**

**K3**  
**+03390**  
**+03390**

QUALITY  
S  
S

SUP:	
AMDT:	ORIG
DATED:	12/20/2007

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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible][illegible][illegible][illegible][illegible]

QUALITY  
6  
CHECKED

SUP:	
AMDT:	ORIG
DATED:	12/20/2007

## 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 airport 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
	CUVPO	CUVPO	010	IAF	HF	R	FO		124.8 (127T)	004.0	03400
	HIVMU	HIVMU	010	IAF	IF		FB				
	HIVMU	CUVPO	020		TF		FB	1.0	214.9 (217T)	005.0	03400
	IKEGE	IKEGE	010	IAF	IF		FB				
	IKEGE	CUVPO	020		TF		FB	1.0	034.8 (037T)	005.0	03400
		CUVPO	010	FACF	IF		FB				03400
		POCIR	020	FAF	TF		FB	0.5	124.8 (127T)	006.0	02800
		RW12	030	MAP	TF		FO	0.3	124.9 (127T)	005.1	01163

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	KINPE	040		DF		FO	1.0			03400
	KINPE	050		HM	R	FO	2.0	305.1 (307T)	004.0	03400

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CUVPO	N423959.56	W0942347.85	N4239.993	W09423.798
	HIVMU	N424359.65	W0941943.78	N4243.994	W09419.730
	IKEGE	N423559.32	W0942751.40	N4235.989	W09427.857
	KINPE	N422607.91	W0935854.34	N4226.132	W09358.906
	POCIR	N423621.94	W0941715.03	N4236.366	W09417.251
	RW12	N423319.08	W0941146.05	N4233.318	W09411.768

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW12	01112	51

CITY AND STATE  
FORT DODGE, IA

ELEVATION: 1157 TDZE: 1128  
AIRPORT NAME:  
FORT DODGE RGNL

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
RNAV (GPS) RWY 12, AMDT 1  
17 DEC 2009

SUP:  
AMDT: ORIG  
DATED: 12/20/2007

US DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE												
QODUY (IAF)	OXDAH (NOPT) (FB)	333.20 / 5.00	3000	LPV: DA LNAV/VNAV: DA LNAV: RW24  CLIMB TO 3000 DIRECT GEGQI AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD SW, RT, 062.85 INBOUND. CHART FAS OBST: 1254 TANK 423310N/0941051W DISTANCE TO THLD FROM 250 HAT: 0.63 NM. WAAS CHANNEL # 45815 REFERENCE PATH ID: W24A											
TOGQO (IAF)	OXDAH (NOPT) (FB)	153.14 / 5.00	3000												
OXDAH (IF)	PUZXI (FB)	243.17 / 6.04	2800												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NE OXDAH, RT, 243.17 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: 243.09 FAF: PUZXI DIST FAF TO MAP: 4.94 THLD: 4.94 4. MIN. ALT: OXDAH 3000, PUZXI 2800 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2800 GS ALT AT: PUZXI OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 50.0 34:1 IS NOT CLEAR 8. MSA FROM: _____				MAG VAR: 2E 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	1406	1	250	1406	1	250	1406	1	250	1406	1	250			
LNAV/VNAV DA	1504	1 1/4	348	1504	1 1/4	348	1504	1 1/4	348	1504	1 1/4	348			
LNAV MDA	1520	1	364	1520	1	364	1520	1	364	1520	1 1/4	364			
CIRCLING	1560	1	403	1620	1	463	1620	1 1/2	463	1720	2	563			

NOTES:  
 CHART NOTE: WHEN VGSi INOP, STRAIGHT-IN/CIRCLING RWY 24 PROCEDURE NA AT NIGHT.  
 CHART NOTE: BARO-VNAV NA WHEN USING WEBSTER CITY ALTIMETER SETTING.  
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 46C (114F).  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE. QUALITY  
6  
CHECKED

CITY AND STATE FORT DODGE, IA	ELEVATION: 1157 TDZE: 1156 AIRPORT NAME: FORT DODGE RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 24, AMDT 1 17 DEC 2009	SUP: AMDT: ORIG DATED 04/18/2002
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RNAV (GPS) - STANDARD  
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33

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## 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 WEBSTER CITY ALTIMETER SETTING AND INCREASE ALL DA 42 FEET AND ALL MDA 60 FEET, INCREASE LNAV CATS C AND D VISIBILITY 1/4 MILE.

## TAA

	FROM	TO	ALT
1.	153/30 CW 333/30 (NOPT)	OXDAH (IF/IAF) (FB)	3000
2.	333/30 CW 063/30	QODUY (IAF) (FB)	3000
3.	063/30 CW 153/30	TOGQO (IAF) (FB)	3400

QUALITY  
6  
CHECKEDCITY AND STATE  
FORT DODGE, IAELEVATION: 1157 TDZE: 1156  
AIRPORT NAME:  
FORT DODGE RGNLFACILITY  
IDENTIFIER:  
RNAVPROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
RNAV (GPS) RWY 24, AMDT 1  
17 DEC 2009SUP:  
AMDT: ORIG  
DATED: 04/18/2002

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

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0  
SBAS SERVICE PROVIDER IDENTIFIER 0  
AIRPORT IDENTIFIER KFOD  
RUNWAY RW24  
APPROACH PERFORMANCE DESIGNATOR 0  
ROUTE INDICATOR  
REFERENCE PATH DATA SELECTOR 0  
REFERENCE PATH IDENTIFIER (APPROACH ID) W24A  
LTP/FTP LATITUDE 423318.7830N  
LTP/FTP LONGITUDE 0941101.4080W  
LTP/FTP ELLIPSOIDAL HEIGHT +03241  
FPAP LATITUDE 423241.1300N  
FPAP LONGITUDE 0941250.6700W  
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 0752  
HORIZONTAL ALERT LIMIT (HAL) 40.0  
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

7EC7755E

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K3  
LTP ORTHOMETRIC HEIGHT +03524  
FPAP ORTHOMETRIC HEIGHT +03524



CITY AND STATE  
FORT DODGE, IA

ELEVATION: 1157 TDZE: 1156  
AIRPORT NAME:  
FORT DODGE RGNL

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
RNAV (GPS) RWY 24, AMDT 1  
17 DEC 2009

SUP:  
AMDT: ORIG  
DATED: 04/18/2002

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.

[illegible][illegible][illegible][illegible][illegible]

QUALITY  
6  
CHECKED

**PAGE 4 OF 5 PAGES**

**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 airport 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
	OXDAH	OXDAH	010	IAP	HF	R	FO		243.2 (245T)	004.0	03000
	QODUY	QODUY	010	IAF	IF		FB				
	QODUY	OXDAH	020	IF	TF		FB	1.0	333.2 (335T)	005.0	03000
	TOGQO	TOGQO	010	IAF	IF		FB				
	TOGQO	OXDAH	020	IF	TF		FB	1.0	153.1 (155T)	005.0	03000
		OXDAH	010	FACF	IF		FB				03000
		PUZXI	020	FAF	TF		FB	0.5	243.2 (245T)	006.0	02800
		RW24	030	MAP	TF		FO	0.3	243.1 (245T)	004.9	01206

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	GEGQI	040		DF		FO	1.0			03000
	GEGQI	050		HM	R	FO	2.0	062.9 (065T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	GEGQI	N422806.54	W0942603.59	N4228.109	W09426.060
	OXDAH	N423756.29	W0935732.42	N4237.938	W09357.540
	PUZXI	N423523.75	W0940457.92	N4235.396	W09404.965
	QODUY	N423323.90	W0935441.96	N4233.398	W09354.699
	TOGQO	N424228.60	W0940023.29	N4242.477	W09400.388
	RW24	N423318.78	W0941101.41	N4233.313	W09411.024

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW24	01156	50

CITY AND STATE  
FORT DODGE, IA

ELEVATION: 1157 TDZE: 1156  
 AIRPORT NAME:  
 FORT DODGE RGNL

FACILITY IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
 RNAV (GPS) RWY 24, AMDT 1  
 17 DEC 2009

SUP:  
 AMDT: ORIG  
 DATED: 04/18/2002

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				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
OCEKU (IAF)	KINPE (NOPT) (FB)	215.17 / 5.00	3400	LPV: DA LNAV/VNAV: DA LNAV: RW30  CLIMB TO 3400 DIRECT CUVPO AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD NW, RT, 124.84 INBOUND. CHART FAS OBST: 1254 TANK 423310N/0941051W CHART FAS OBST: 1204 FEEDER 423230N/0941035W DISTANCE TO THLD FROM 282 HAT: 0.76 NM. CHART VDP AT 1.06 MILES TO RW30* *LNAV ONLY. WAAS CHANNEL # 82615 REFERENCE PATH ID: W30A
NUYIK (IAF)	KINPE (NOPT) (FB)	035.07 / 5.00	3400	
KINPE (IF/IAF)	JEVUP (FB)	305.12 / 6.04	2800	

- PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
- HOLD SE KINPE, RT, 305.12 INBOUND, 3400 FT. IN LIEU OF PT (IAF)
- FAC: 305.05 FAF: JEVUP DIST FAF TO MAP: 5.01 THLD: 5.01
- MIN. ALT: KINPE 3400, JEVUP 2800
- DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
- MIN GS INCPT: 2800 GS ALT AT: JEVUP OM:        MM:        IM:
- GS ANGLE: 3.00 TCH: 39.1 34:1 IS NOT CLEAR
- MSA FROM:

MAG VAR: 2E 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	1424	1	282	1424	1	282	1424	1	282	1424	1	282				
LNAV/VNAV DA	1474	1 1/4	332	1474	1 1/4	332	1474	1 1/4	332	1474	1 1/4	332				
LNAV MDA	1520	1	378	1520	1	378	1520	1	378	1520	1 1/4	378				
CIRCLING	1560	1	403	1620	1	463	1620	1 1/2	463	1720	2	563				

NOTES:  
 CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 24 NA AT NIGHT.  
 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.

QUALITY  
6  
CHECKED

CITY AND STATE FORT DODGE, IA	ELEVATION: 1157 TDZE: 1142 AIRPORT NAME: FORT DODGE RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 30, AMDT 1 17 DEC 2009	SUP: AMDT: ORIG DATED 12/20/2007
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## 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.

## NOTES CONT.

CHART NOTE: VDP AND BARO-VNAV NA WHEN USING WEBSTER CITY ALTIMETER SETTING.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WEBSTER CITY ALTIMETER SETTING AND INCREASE ALL DA 42 FEET AND ALL MDA 60 FEET, INCREASE LPV ALL CATS AND LNAV CATS C AND D VISIBILITY 1/4 MILE.

## TAA

	FROM	TO	ALT
1.	215/30 CW 035/30 (NOPT)	KINPE (IF/AF) (FB)	3400
2.	035/30 CW 125/30	NUYIK (IAF) (FB)	3400
3.	125/30 CW 215/30	OCEKU (IAF) (FB)	3400

QUALITY  
6  
CHECKED

CITY AND STATE

FORT DODGE, IA

ELEVATION: 1157 TDZE: 1142

AIRPORT NAME:

FORT DODGE RGNL

FACILITY  
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 30, AMDT 1

SUP:

AMDT: ORIG

DATED: 12/20/2007

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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE 0  
SBAS SERVICE PROVIDER IDENTIFIER 0  
AIRPORT IDENTIFIER KFOD  
RUNWAY RW30  
APPROACH PERFORMANCE DESIGNATOR 0  
ROUTE INDICATOR 0  
REFERENCE PATH DATA SELECTOR 0  
REFERENCE PATH IDENTIFIER (APPROACH ID) W30A  
LTP/FTP LATITUDE 423247.5825N  
LTP/FTP LONGITUDE 0941049.4855W  
LTP/FTP ELLIPSOIDAL HEIGHT +03197  
FPAP LATITUDE 423341.2000N  
FPAP LONGITUDE 0941225.7900W  
THRESHOLD CROSSING HEIGHT (TCH) 00039.1  
TCH UNITS SELECTOR (METERS OR FEET USED) F  
GLIDEPATH ANGLE (GPA) 03.00  
COURSE WIDTH AT THRESHOLD 106.75  
LENGTH OFFSET 1136  
HORIZONTAL ALERT LIMIT (HAL) 40.0  
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

63F4842E

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K3  
LTP ORTHOMETRIC HEIGHT +03480  
FPAP ORTHOMETRIC HEIGHT +03480

QUALITY  
6  
CHECKED

CITY AND STATE

FORT DODGE, IA

ELEVATION: 1157

TDZE: 1142

AIRPORT NAME:

FORT DODGE RGNL

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 30, AMDT 1

SUP:

AMDT:

ORIG

DATED:

12/20/2007

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

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

	1	2	3	4	5	6	7	8	9	0	1	2	3
WP	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAEENRT	CUVPO K30	W	N42395956W094234785					NAR	CUVPO			G	
SUSAEENRT	JEVUP K30	W	N42294637W094052465					NAR	JEVUP			G	
SUSAEENRT	KINPE K30	W	N42260791W093585434					NAR	KINPE			G	
SUSAEENRT	NUYIK K30	W	N42220854W094025858					NAR	NUYIK			G	
SUSAEENRT	OCEKU K30	W	N42300713W093544959					NAR	OCEKU			G	

	1	2	3	4	5	6	7	8	9	0	1	2	3
AIRPORT	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KFODK3AFOD	0	065YHN	42330432W094113063E002001157				18000	18000C	MNAR	FORT DODGE RGNL		G	

	1	2	3	4	5	6	7	8	9	0	1	2	3
SEGMENT	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KFODK3FR30	AKINPE 010KINPEK3EA0EE AR	HF					30510040	+ 03400	18000		A JS	G	
SUSAP KFODK3FR30	ANUYIK 010NUYIKK3EA0E A	IF							18000		A JS	G	
SUSAP KFODK3FR30	ANUYIK 020KINPEK3EA0EE B	010TF					03510050	+ 03400			A JS	G	
SUSAP KFODK3FR30	AOCEKU 010OCEKUK3EA0E A	IF							18000		A JS	G	
SUSAP KFODK3FR30	AOCEKU 020KINPEK3EA0EE B	010TF					21520050	+ 03400			A JS	G	
SUSAP KFODK3FR30	R	010KINPEK3EA0E I	IF					+ 03400	18000		A JS	G	
SUSAP KFODK3FR30	R	020JEVUPK3EA1E F	051TF				30510060	+ 02800			A JS	G	
SUSAP KFODK3FR30	R	020JEVUPK3EA2WALFV	ALNAV/VNAV ALNAV								JS	G	
SUSAP KFODK3FR30	R	030RW30 K3PG0GY M	031TF				30510050	01181	-300		A JS	G	
SUSAP KFODK3FR30	R	040CUVPOK3EA0EYM	010DF					+ 03400			A JS	G	
SUSAP KFODK3FR30	R	050CUVPOK3EA0EE	R020HM				12480040	+ 03400			A JS	G	

	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KFODK3GRW30	0053013050	N42324758W094104949-0600					+0319701142000039100R					G	

	1	2	3	4	5	6	7	8	9	0	1	2	3
PP	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KFODK3PR30	RW30 001 0000W30A0N4232475825W09410494855+031970300N4233412000W09412257900106751136000391F40050063F4842EG												
SUSAP KFODK3PR30	RW30 002E +03480+03480LPV	82615										G	

QUALITY  
6  
CHECKED

CITY AND STATE <b>FORT DODGE, IA</b>	ELEVATION: 1157 TDZE: 1142	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 30, AMDT 1 17 DEC 2009</b>	SUP:
	AIRPORT NAME: <b>FORT DODGE RGNL</b>			AMDT: <b>ORIG</b>
				DATED: <b>12/20/2007</b>



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

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	KINPE	KINPE	010	IAF	HF	R	FO		305.1(307T)	004.0	03400
	NUYIK	NUYIK	010	IAF	IF		FB				
	NUYIK	KINPE	020	IF	TF		FB	1.0	035.1(037T)	005.0	03400
	OCEKU	OCEKU	010	IAF	IF		FB				
	OCEKU	KINPE	020	IF	TF		FB	1.0	215.2(217T)	005.0	03400
		KINPE	010	FACF	IF		FB				03400
		JEVUP	020	FAF	TF		FB	0.5	305.1(307T)	006.0	02800
		RW30	030	MAP	TF		FO	0.3	305.1(307T)	005.0	01181

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	CUVPO	040		DF		FO	1.0			03400
	CUVPO	050		HM	R	FO	2.0	124.8(127T)	004.0	03400

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CUVPO	N423959.56	W0942347.85	N4239.993	W09423.798
	JEVUP	N422946.37	W0940524.65	N4229.773	W09405.411
	KINPE	N422607.91	W0935854.34	N4226.132	W09358.906
	NUYIK	N422208.54	W0940258.58	N4222.142	W09402.976
	OCEKU	N423007.13	W0935449.59	N4230.119	W09354.827
	RW30	N423247.58	W0941049.49	N4232.793	W09410.825

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW30	01142	39

QUALITY  
6  
CHECKED

CITY AND STATE  
FORT DODGE, IA

ELEVATION: 1157 TDZE: 1142  
 AIRPORT NAME:  
 FORT DODGE RGNL

FACILITY IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
 RNAV (GPS) RWY 30, AMDT 1  
 17 DEC 2009

SUP:  
 AMDT: ORIG  
 DATED: 12/20/2007

## 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 06, 12, 24, 30 STANDARD.

### (2) TEXTUAL DEPARTURE PROCEDURE:

RWY 24 - CLIMB HEADING 243.02 TO 1700 BEFORE TURNING SOUTH.

### (3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 6, TREES BEGINNING 106' FROM DER, 284' LEFT OF CENTERLINE, UP TO 16' AGL/1166' MSL. TREES BEGINNING 1138' FROM DER, 665' LEFT OF CENTERLINE, UP TO 76' AGL/1226' MSL. NOTE: RWY 12, POLE BEGINNING 431' FROM DER, 504' LEFT OF CENTERLINE, 31' AGL/1171' MSL. TREES BEGINNING 456' FROM DER, 481' LEFT OF CENTERLINE, UP TO 39' AGL/1179' MSL. BUILDING 592' FROM DER, 484' LEFT OF CENTERLINE, 24' AGL/1164' MSL. POLES BEGINNING 1037' FROM DER, 306' RIGHT OF CENTERLINE, UP TO 41' AGL/1171' MSL. TREES BEGINNING 1227' FROM DER, 540' RIGHT OF CENTERLINE, UP TO 68' AGL/1190' MSL. FEED DROP 1901' FROM DER, 774' RIGHT OF CENTERLINE, 84' AGL/1204' MSL. NOTE: RWY 24, SIGN 54' FROM DER, 253' LEFT OF CENTERLINE, 13' AGL/1083' MSL. SIGN 57' FROM DER, 245' RIGHT OF CENTER- (CONT'D)

### (4) CONTROLLING OBSTACLES:

RWY 24: 1,760 MSL TOWER 422942.60N/0941233.90W.

(5) City, State

FORT DODGE, IA

(6) Airport

FORT DODGE

(7) Effective Date

17 DEC 2009

(8) Amdt. No.

1

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION  
DEPARTURE PROCEDURE (CONTINUATION FAA FORM 8260-15A  
FLIGHT STANDARDS SERVICE

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: (CONT'D)

LINE, UP TO 15' AGL/1085' MSL. TREES BEGINNING 177' FROM DER, 495' RIGHT OF CENTERLINE, UP TO 44' AGL/1114' MSL. NOTE: RWY 30, TREES BEGINNING 71' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 67' AGL/1167' MSL. POLES BEGINNING 211' FROM DER, 421' LEFT OF CENTERLINE, UP TO 45' AGL/1135' MSL, POLES BEGINNING 878' FROM DER, 54' RIGHT OF CENTERLINE, UP TO 39' AGL/1139' MSL.

QUALITY  
1  
CHECKED

City, State <b>FORT DODGE, IA</b>		Airport <b>FORT DODGE</b>		Effective Date <b>17 DEC 2009</b>	Amtd. No. <b>1</b>
DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date

<b>U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION</b> <b>GPS STANDARD INSTRUMENT APPROACH PROCEDURE</b> <b>FLIGHT STANDARDS SERVICE - FAR PART 97.33</b>								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.																																																																																																																																			
<b>TERMINAL ROUTES</b>										<b>MISSED APPROACH</b>																																																																																																																																	
FROM		TO		COURSE AND DISTANCE				ALTITUDE																																																																																																																																			
										ADDITIONAL FLIGHT DATA:																																																																																																																																	
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)														MAG VAR: _____ EPOCH YEAR: _____																																																																																																																													
2. _____																																																																																																																																											
3. FAC _____ FAF _____ DIST FAF TO MAP _____ THLD _____																																																																																																																																											
4. MIN. ALT _____																																																																																																																																											
8. MSA FROM: _____																																																																																																																																											
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>TAKEOFF:</td> <td>STANDARD</td> <td colspan="6">SEE FAA FORM 8260-15A FOR THIS AIRPORT</td> <td colspan="4">ALTERNATE: N A</td> </tr> <tr> <td>CATEGORY ==&gt;</td> <td colspan="3">A</td> <td colspan="3">B</td> <td colspan="3">C</td> <td colspan="3">D</td> <td colspan="3">E</td> </tr> <tr> <td></td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> </tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>																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																																																																																
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:  <div style="display: flex; justify-content: space-between;"> <span>PROCEDURE CANCELED EFFECTIVE</span> <span>17 DEC 2009</span> </div>																																																																																																																																											
CITY AND STATE RED OAK, IA				ELEVATION: 1044 TDZE: 1043 AIRPORT NAME: RED OAK MUNI				FACILITY IDENTIFIER: GPS		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 5, ORIG, 12/03/1998				SUP AMDT NONE 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				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
				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: <input type="checkbox"/>	STANDARD <input type="checkbox"/>	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N/A <input type="checkbox"/>							
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:

17 DEC 2009

PROCEDURE CANCELED EFFECTIVE \_\_\_\_\_

CITY AND STATE RED OAK, IA	ELEVATION: 1044 TDZE: 1044 AIRPORT NAME:  RED OAK MUNI	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 17, ORIG, 12/03/1998	SUP
				AMDT NONE
				DATE

<b>RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33</b>				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.											
<b>TERMINAL ROUTES</b>								<b>MISSED APPROACH</b>							
FROM		TO		COURSE AND DISTANCE		ALTITUDE		LNAV: RW05							
OVR VORTAC		WESUD (FB)		135.91 / 14.64		3400		CLIMB TO 3000 DIRECT HOBEG AND RIGHT TURN VIA TRACK 146.93 TO SAJHO AND HOLD.							
VIKKI		YUBHI (FB)		356.49 / 8.76		3000									
SAJHO		YUBHI (FB)		239.76 / 16.56		3000									
WESUD (IAF)		INIHI (FB)		143.79 / 5.00		3000									
YUBHI (IAF)		INIHI (FB)		323.87 / 5.00		3000									
INIHI (IF)		KUWFY (FB)		053.75 / 6.10		2700		ADDITIONAL FLIGHT DATA: HOLD S, RT, 340.66 INBOUND. CHART FAS OBST: 1339 TREE 405901N/0951823W CHART VDP AT 1.68 MILES TO RW05. KUWFY TO RW05: 3.04/40							
1. PT <u>NA</u> SIDE OF COURSE <u>      </u> OUTBOUND <u>      </u> FT WITHIN <u>      </u> MILES OF <u>      </u> (IAF)															
2. PROFILE STARTS AT INIHI															
3. FAC: <u>053.83</u> FAF: <u>KUWFY</u> DIST FAF TO MAP: <u>5.02</u> THLD: <u>5.02</u>															
4. MIN. ALT: <u>INIHI 3000, KUWFY 2700</u>															
5. DIST TO THLD FROM OM: <u>      </u> MM: <u>      </u> IM: <u>      </u> 150 HAT: <u>      </u> 100 HAT: <u>      </u> GS ANT: <u>      </u>															
6. MIN GS INCPT: <u>      </u> GS ALT AT: <u>      </u> OM: <u>      </u> MM: <u>      </u> IM: <u>      </u>															
7. GS ANGLE: <u>      </u> TCH: <u>34:1 IS CLEAR</u>															
8. MSA FROM: <u>RW05 3900</u>								MAG VAR: 4E EPOCH YEAR: 2000							
<b>MINIMUMS</b>															
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	1600	1	557	1600	1	557		NA			NA				
CIRCLING	1620	1	575	1780	1	735		NA			NA				
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. <span style="float: right;">@ NA WHEN LOCAL WEATHER NOT AVAILABLE.</span> CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SHENANDOAH ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET AND INCREASE CIRCLING CAT B VISIBILITY 1/4 MILE. SEE 8260-10															
CITY AND STATE		ELEVATION: 1045 TDZE: 1043		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
RED OAK, IA		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 5, ORIG				AMDT: NONE					
		RED OAK MUNI				17 DEC 2009				DATED					

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

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**NOTES CONT.**

**CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT OVR VORTAC VIA V6-8 WESTBOUND AND V307 NORTHBOUND.**

**CHART NOTE: VDP NA WHEN USING SHENANDOAH ALTIMETER SETTING.**

CITY AND STATE

RED OAK, IA

ELEVATION: 1045 TDZE: 1043

AIRPORT NAME:

RED OAK MUNI

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 5, ORIG

17 DEC 2009

SUP:

AMDT: NONE

DATED:

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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KRDKK3FR05	AOVR	010OVR	K3D 0V	IF					18000		B JS	
SUSAP	KRDKK3FR05	AOVR	020WESUDK3EA0E	A 020TF			13590146	+ 03400				B JS	
SUSAP	KRDKK3FR05	AOVR	030INIH1K3EA0EE	010TF			14380050	+ 03000				B JS	
SUSAP	KRDKK3FR05	ASAJHO	010SAJHOK3EA0E	IF						18000		B JS	
SUSAP	KRDKK3FR05	ASAJHO	020YUBHIK3EA0E	A 020TF			23980166	+ 03000				B JS	
SUSAP	KRDKK3FR05	ASAJHO	030INIH1K3EA0EE	010TF			32390050	+ 03000				B JS	
SUSAP	KRDKK3FR05	AVIKKI	010VIKKIK3EA0E	IF						18000		B JS	
SUSAP	KRDKK3FR05	AVIKKI	020YUBHIK3EA0E	A 020TF			35650088	+ 03000				B JS	
SUSAP	KRDKK3FR05	AVIKKI	030INIH1K3EA0EE	010TF			32390050	+ 03000				B JS	
SUSAP	KRDKK3FR05	R	010INIH1K3EA0E	I IF				+ 03000		18000		B JS	
SUSAP	KRDKK3FR05	R	020KUWFYK3EA1E	F 051TF			05380061	+ 02700			RW05	K3PGB JS	
SUSAP	KRDKK3FR05	R	020KUWFYK3EA2WN		N	ALNAV						JS	
SUSAP	KRDKK3FR05	R	030RW05	K3PG0GY M 031TF			05380050		01081		-304	B JS	
SUSAP	KRDKK3FR05	R	040HOBEGK3EA0E	M 010DF								B JS	
SUSAP	KRDKK3FR05	R	050SAJHOK3EA0EY	R010TFY			1469	+ 03000				B JS	

QUALITY  
CHECKED

CITY AND STATE  RED OAK, IA	ELEVATION: 1045    TDZE: 1043  AIRPORT NAME:  RED OAK MUNI	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:  RNAV (GPS) RWY 5, ORIG  17 DEC 2009	SUP:
				AMDT:        NONE
				DATED:



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[illegible]

MSA 1 2 3 4 5 6 7 8 9 0 1 2 3

SUSAP KRDKK3SRW05 K3PG 0 18018003925 M

QUALITY  
CHECKED

CITY AND STATE  RED OAK, IA	ELEVATION: 1045    TDZE: 1043  AIRPORT NAME:  RED OAK MUNI	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:  RNAV (GPS) RWY 5, ORIG  17 DEC 2009	SUP:
				AMDT:        NONE
				DATED:

**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**  
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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	OVR	OVR	010		IF		FB				
	OVR	WESUD	020	IAF	TF		FB	2.0	135.9 (140T)	014.6	03400
	OVR	INIHI	030		TF		FB	1.0	143.8 (148T)	005.0	03000
	SAJHO	SAJHO	010		IF		FB				
	SAJHO	YUBHI	020	IAF	TF		FB	2.0	239.8 (244T)	016.6	03000
	SAJHO	INIHI	030		TF		FB	1.0	323.9 (328T)	005.0	03000
	VIKKI	VIKKI	010		IF		FB				
	VIKKI	YUBHI	020	IAF	TF		FB	2.0	356.5 (001T)	008.8	03000
	VIKKI	INIHI	030		TF		FB	1.0	323.9 (328T)	005.0	03000
		INIHI	010	FACF	IF		FB				03000
		KUWFY	020	FAF	TF		FB	0.5	053.8 (058T)	006.1	02700
		RW05	030	MAP	TF		FO	0.3	053.8 (058T)	005.0	01081

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	HOBEG	040		DF		FB	1.0			
	SAJHO	050		TF	R	FO	1.0	146.9 (151T)		03000
	SAJHO	060		HM	R	FO	2.0	340.7 (345T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	OVR	N411002.19	W0954412.23	N4110.037	W09544.204
	HOBEG	N410332.20	W0950926.40	N4103.537	W09509.440
	INIHI	N405435.05	W0952814.53	N4054.584	W09528.242
	KUWFY	N405750.39	W0952125.62	N4057.840	W09521.427
	SAJHO	N405742.24	W0950509.77	N4057.704	W09505.163
	VIKKI	N404135.17	W0952449.94	N4041.586	W09524.832
	WESUD	N405849.09	W0953145.43	N4058.818	W09531.757
	YUBHI	N405020.90	W0952444.08	N4050.348	W09524.735
	RW05	N410030.58	W0951549.15	N4100.510	W09515.819

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW05	01041	40

QUALITY  
CHECKED

CITY AND STATE  
RED OAK, IA

ELEVATION: 1045 TDZE: 1043  
 AIRPORT NAME:  
 RED OAK MUNI

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
 RNAV (GPS) RWY 5, ORIG  
 17 DEC 2009

SUP:  
 AMDT: NONE  
 DATED:

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<b>TERMINAL ROUTES</b>				<b>MISSED APPROACH</b>											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	<b>LNAV: RW17</b>  <b>CLIMB TO 3000 DIRECT CIBVI AND LEFT TURN VIA TRACK 068.63 TO SAJHO AND HOLD.</b>  <b>ADDITIONAL FLIGHT DATA:</b> HOLD S, RT, 340.66 INBOUND. CHART FAS OBST: 1309 TREE 410150N/0951639W CHART 1359 TREE 410559N/0951714W. OVEDY TO RW17: 3.04/44											
PSFIC	IYETA (FB)	240.99 / 8.82	3000												
SAJHO	IYETA (FB)	340.66 / 15.13	3000												
IYETA (IAF)	ULAZO (FB)	260.45 / 5.00	3000												
EYNOR (IAF)	ULAZO (FB)	098.83 / 4.87	3000												
ULAZO (IF)	OVEDY (FB)	170.38 / 6.01	2700												
1. PT <u>NA</u> SIDE OF COURSE <u>          </u> OUTBOUND <u>          </u> FT WITHIN <u>          </u> MILES OF <u>          </u> (IAF) 2. PROFILE STARTS AT <u>ULAZO</u> 3. FAC: <u>170.39</u> FAF: <u>OVEDY</u> DIST FAF TO MAP: <u>4.99</u> THLD: <u>4.99</u> 4. MIN. ALT: <u>ULAZO 3000, OVEDY 2700</u> 5. DIST TO THLD FROM OM: <u>          </u> MM: <u>          </u> IM: <u>          </u> 150 HAT: <u>          </u> 100 HAT: <u>          </u> GS ANT: <u>          </u> 6. MIN GS INCPT: <u>          </u> GS ALT AT: <u>          </u> OM: <u>          </u> MM: <u>          </u> IM: <u>          </u> 7. GS ANGLE: <u>          </u> TCH: <u>34:1 IS NOT CLEAR</u> 8. MSA FROM: <u>RW17 3900</u>				MAG VAR: <u>4E</u> EPOCH YEAR: <u>2000</u>											
<b>MINIMUMS</b>															
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	1600	1	555	1600	1	555		NA			NA				
CIRCLING	1620	1	575	1780	1	735		NA			NA				
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SHENANDOAH ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET AND INCREASE CIRCLING CAT B VISIBILITY 1/4 MILE.															
CITY AND STATE				ELEVATION: 1045 TDZE: 1045		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
RED OAK, IA				AIRPORT NAME:		RNAV		RNAV (GPS) RWY 17, ORIG				AMDT: NONE			
				RED OAK MUNI				17 DEC 2009				DATED			

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[illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3	
SUSAP	KRDKK3FR17	AEYNOR	010EYNORK3EA0E	A	IF					18000		B	JS	
SUSAP	KRDKK3FR17	AEYNOR	020ULAZOK3EA0EE		010TF		09880049	+	03000			B	JS	
SUSAP	KRDKK3FR17	APSFIC	010PSFICK3EA0E		IF					18000		B	JS	
SUSAP	KRDKK3FR17	APSFIC	020IYETAK3EA0E	A	020TF		24100088	+	03000			B	JS	
SUSAP	KRDKK3FR17	APSFIC	030ULAZOK3EA0EE		010TF		26050050	+	03000			B	JS	
SUSAP	KRDKK3FR17	ASAJHO	010SAJHOK3EA0E		IF					18000		B	JS	
SUSAP	KRDKK3FR17	ASAJHO	020IYETAK3EA0E	A	020TF		34070151	+	03000			B	JS	
SUSAP	KRDKK3FR17	ASAJHO	030ULAZOK3EA0EE		010TF		26050050	+	03000			B	JS	
SUSAP	KRDKK3FR17	R	010ULAZOK3EA0E	I	IF			+	03000	18000		B	JS	
SUSAP	KRDKK3FR17	R	0200VEDYK3EA1E	F	051TF		17040060	+	02700		RW17	K3PGB	JS	
SUSAP	KRDKK3FR17	R	0200VEDYK3EA2WN			N	ALNAV						JS	
SUSAP	KRDKK3FR17	R	030RW17 K3PGOGY	M	031TF		17040050		01089		-304		B	JS
SUSAP	KRDKK3FR17	R	040CIBVIK3EA0E	M	010DF								B	JS
SUSAP	KRDKK3FR17	R	050SAJHOK3EA0EY		L010TFY		0686	+	03000			B	JS	
SUSAP	KRDKK3FR17	R	060SAJHOK3EA0EE		R020HM		34070040	+	03000			B	JS	

QUALITY  
CHECKED

**PAGE 2 OF 4 PAGES**

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

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	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	1	2	3	4	5	6	7	8	9	0	1	2	3
-----													
SUSAP	KRDKK3SRW17	K3PG		0	18018003925							M	

QUALITY  
1  
CHECKED

CITY AND STATE  
RED OAK, IA

ELEVATION: 1045 TDZE: 1045  
AIRPORT NAME:  
RED OAK MUNI

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
RNAV (GPS) RWY 17, ORIG  
17 DEC 2009

SUP:  
AMDT: NONE  
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**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**  
**RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE**  
**FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	EYNOR	EYNOR	010	IAF	IF		FB				
	EYNOR	ULAZO	020		TF		FB	1.0	098.8(103T)	004.9	03000
	PSFIC	PSFIC	010		IF		FB				
	PSFIC	IYETA	020	IAF	TF		FB	2.0	241.0(245T)	008.8	03000
	PSFIC	ULAZO	030		TF		FB	1.0	260.5(265T)	005.0	03000
	SAJHO	SAJHO	010		IF		FB				
	SAJHO	IYETA	020	IAF	TF		FB	2.0	340.7(345T)	015.1	03000
	SAJHO	ULAZO	030		TF		FB	1.0	260.5(265T)	005.0	03000
		ULAZO	010	FACF	IF		FB				03000
		OVEDY	020	PAF	TF		FB	0.5	170.4(174T)	006.0	02700
		RW17	030	MAP	TF		FO	0.3	170.4(174T)	005.0	01089

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	CIBVI	040		DF		FB	1.0			
	SAJHO	050		TF	L	FO	1.0	068.6(073T)		03000
	SAJHO	060		HM	R	FO	2.0	340.7(345T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CIBVI	N405523.71	W0951455.70	N4055.395	W09514.928
	EYNOR	N411253.84	W0952321.11	N4112.897	W09523.352
	IYETA	N411217.90	W0951027.85	N4112.298	W09510.464
	OVEDY	N410549.59	W0951616.71	N4105.827	W09516.279
	PSFIC	N411602.37	W0945952.26	N4116.040	W09459.871
	SAJHO	N405742.24	W0950509.77	N4057.704	W09505.163
	ULAZO	N411148.69	W0951703.39	N4111.812	W09517.057
	RW17	N410051.47	W0951538.07	N4100.858	W09515.635

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW17	01045	44

QUALITY  
CHECKED

CITY AND STATE  
RED OAK, IA

ELEVATION: 1045 TDZE: 1045  
 AIRPORT NAME:  
 RED OAK MUNI

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
 RNAV (GPS) RWY 17, ORIG  
 17 DEC 2009

SUP:  
 AMDT: NONE  
 DATED:

US DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD  
INSTRUMENT APPROACH PROCEDURE  
FAR PART 97.29

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
MCB VORTAC	FERNI LOM/INT	254.09 / 13.31	2000	<b>ILS: DA</b> <b>LOC: 4.06 MILES AFTER FERNI LOM/INT</b>  <b>CLIMB TO 1000 THEN CLIMBING LEFT TURN TO 2000 DIRECT MCB VORTAC AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 1000 THEN CLIMBING LEFT TURN TO 2000 DIRECT FERNI LOM/INT AND HOLD NW, LT, 155.64 INBOUND (ADF REQUIRED).</b>  <b>ADDITIONAL FLIGHT DATA:</b> <b>HOLD NE, RT, 232.36 INBOUND.</b> <b>CHART: ALTERNATE MA HOLDING, HOLD NW FERNI LOM/INT, LT, 155.64 INBOUND.</b> <b>CHART FAS OBST: 559 TREE 311250N/0902944W</b> <b>CHART MCB R-001 AT CEVDA.</b> <b>CHART MCB R-278 AT TUMMI INT</b>
CEVDA/MCB VORTAC 16.00 DME CCW (IAF)	TUMMI INT (NOPT)	16.00 DME ARC (MCB LR-285)	2300	
GOBTY INT/MCB VORTAC 18.21 DME (IAF)	TUMMI INT (NOPT)	155.64 / 3.46 (I-MCB)	2300	
TUMMI INT (IF)	FERNI LOM/INT	155.64 / 6.54 (I-MCB)	2000	

- PT R SIDE OF COURSE 335.64 OUTBOUND 2000 FT WITHIN 10 MILES OF FERNI LOM (IAF)
- 
- FAC: 155.64 FAF: FERNI LOM/INT DIST FAF TO MAP: 4.06 THLD: 4.56
- MIN. ALT: FERNI LOM 2000
- DIST TO THLD FROM OM: 4.56 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 860
- MIN GS INCPT: 2000 GS ALT AT: GS INTCP OM: 1927 MM: - IM: -
- GS ANGLE: 3.00 TCH: 43.0
- MSA FROM: MC LOM 2600

MAG VAR: 0E 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
S-ILS 15	613	3/4	200	613	3/4	200
S-LOC 15	820	3/4	407	820	1 1/4	407
CIRCLING	880	1	467	880	1 1/2	467

NOTES:  
 CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-LOC-15 CAT C.  
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT GOBTY VIA V570 NORTHWEST BOUND.  
 CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.  
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE NATCHEZ ALTIMETER SETTING AND INCREASE  
 SEE 8260-10

# @ NA WHEN LOCAL WEATHER NOT AVAILABLE

QUALITY  
6  
CHECKED

CITY AND STATE <b>MC COMB, MS</b>	ELEVATION: 413 TDZE: 413 AIRPORT NAME: <b>MC COMB/PIKE COUNTY/JOHN E LEWIS FIELD</b>	FACILITY IDENTIFIER: <b>I-MCB</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>ILS OR LOC RWY 15, AMDT 1</b> <b>17 DEC 2009</b>	SUP: <b>ILS RWY 15</b> AMDT: <b>ORIG</b> DATED <b>06/13/2002</b>
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US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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**NOTES CONT.**

ALL DA 135 FEET, AND ALL MDA 140 FEET AND INCREASE S-ILS 15 ALL CATS VISIBILITY 1/2 MILE, S-LOC 15 CAT C VISIBILITY 1/4 MILE, AND CAT D VISIBILITY 1/2 MILE, AND CIRCLING CATS C AND D VISIBILITY 1/4 MILE.

CHART PROFILE NOTE: ILS UNUSABLE FROM 0.5 NM INBOUND.

QUALITY  
6  
CHECKED

CITY AND STATE

MC COMB, MS

ELEVATION: 413 TDZE: 413

AIRPORT NAME:

MC COMB/PIKE COUNTY/JOHN E LEWIS FIELD

FACILITY  
IDENTIFIER:

I-MCB

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 15, AMDT 1

17 DEC 2009

SUP: ILS RWY 15

AMDT: ORIG

DATED: 06/13/2002



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										MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW08  CLIMB TO 8000 DIRECT COSOG AND LEFT TURN VIA TRACK 347.15 TO ARHUF AND LEFT TURN VIA TRACK 257.04 TO FIKOB AND VIA TRACK 230.47 TO ETOHO AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD W, RT, 076.86 INBOUND. CHART FAS OBST: 2625 TREE 483235N/1094716W CHART FAS OBST: 2674 TREE 483253N/1095225W CHART 2694 MSL TREE 483240N/1095320W DISTANCE TO THLD FROM 250 HAT: 0.67 NM. CHART VDP AT 1.25 MILES TO RW07* *LNAV ONLY. WAAS CHANNEL # 99316 REFERENCE PATH ID: W08A							
ETOHO (IAF)		JINTO (FB)		079.20 / 8.90				4500									
YOYNO (IAF)		JINTO (FB)		346.86 / 10.99				4500									
JINTO (IF)		CIBMI (FB)		076.84 / 6.10				4200									
1. PT <u>NA</u> SIDE OF COURSE <u>          </u> OUTBOUND <u>          </u> FT WITHIN <u>          </u> MILES OF <u>          </u> (IAF) 2. PROFILE STARTS AT JINTO 3. FAC: <u>076.96</u> FAF: <u>CIBMI</u> DIST FAF TO MAP: <u>4.89</u> THLD: <u>4.89</u> 4. MIN. ALT: <u>JINTO 4500, CIBMI 4200</u> 5. DIST TO THLD FROM OM: <u>          </u> MM: <u>          </u> IM: <u>          </u> 150 HAT: <u>          </u> 100 HAT: <u>          </u> GS ANT: <u>          </u> 6. MIN GS INCPT: <u>4200</u> GS ALT AT: <u>CIBMI</u> OM: <u>          </u> MM: <u>          </u> IM: <u>          </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>40.0</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW08 8200</u>										MAG VAR: 13E		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	2835	1	250	2835	1	250	2835	1	250	2835	1	250	2835	1	250		
LNAV/VNAV DA	2906	1 1/4	321	2906	1 1/4	321	2906	1 1/4	321	2906	1 1/4	321	2906	1 1/4	321		
LNAV MDA	3020	1	435	3020	1	435	3020	1 1/4	435	3020	1 1/2	435	3020	1 1/2	435		
CIRCLING	3060	1	469	3100	1	509	3100	1 1/2	509	3160	2	569					
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20C (-4F) OR ABOVE 43C (109F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT YOYNO ON V257-611 SOUTHWEST BOUND. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ETOHO ON V430 WESTBOUND.																	
CITY AND STATE				ELEVATION: 2591 TDZE: 2585				FACILITY IDENTIFIER:				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:	
HAYRE, MT				AIRPORT NAME:				RNAV				RNAV (GPS) RWY 8, ORIG				AMDT: NONE	
				HAYRE CITY-COUNTY								17 DEC 2009				DATED	

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

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0  
SBAS SERVICE PROVIDER IDENTIFIER 0  
AIRPORT IDENTIFIER KHVR  
RUNWAY RW08  
APPROACH PERFORMANCE DESIGNATOR 0  
ROUTE INDICATOR 0  
REFERENCE PATH DATA SELECTOR 0  
REFERENCE PATH IDENTIFIER (APPROACH ID) W08A  
LTP/FTP LATITUDE 483238.5630N  
LTP/FTP LONGITUDE 1094621.9790W  
LTP/FTP ELLIPSOIDAL HEIGHT +07705  
FPAP LATITUDE 483238.4800N  
FPAP LONGITUDE 1094407.8900W  
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 1160  
HORIZONTAL ALERT LIMIT (HAL) 40.0  
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

EA67A15E

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K1  
LTP ORTHOMETRIC HEIGHT +07866  
FPAP ORTHOMETRIC HEIGHT +07866

CITY AND STATE

HAVRE, MT

ELEVATION: 2591 TDZE: 2585

AIRPORT NAME:

HAVRE CITY-COUNTY

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 8, ORIG

17 DEC 2009

SUP:

AMDT: NONE

DATED:

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[illegible][illegible][illegible][illegible]

QUALITY  
CHECKED

CITY AND STATE  HAVRE, MT	ELEVATION: 2591 TDZE: 2585 AIRPORT NAME:  HAVRE CITY-COUNTY	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 8, ORIG  17 DEC 2009	SUP:
				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.

SUSAP KHVRK1PR08	RW08 001	0000W08A0N4832385630W10946219790+077050300N4832384600W10944078900106751160000400F400500EA67A15E
SUSAP KHVRK1PR08	RW08 002E	+07866+07866LPV 99316

SUSAP KHVRK1SRW08 K1PG 0 18018008225 M

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

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	PO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	ETOHO	ETOHO	010	IAF	IF		FB				
	ETOHO	JINTO	020	IF	TF		FB	1.0	079.2(092T)	008.9	04500
	YOYNO	YOYNO	010	IAF	IF		FB				
	YOYNO	JINTO	020	IF	TF		FB	1.0	346.9(360T)	011.0	04500
		JINTO	010	FACF	IF		FB				04500
		CIBMI	020	FAF	TF		FB	0.5	076.8(090T)	006.1	04200
		RW08	030	MAP	TF		FO	0.3	077.0(090T)	004.9	02621

MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	PO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
		COSOG	040		DF		FB	1.0			
		ARHUF	050		TF	L	FB	1.0	347.2(360T)		
		FIKOB	060		TF	L	FB	1.0	257.0(270T)		
		ETOHO	070		TF		FO	1.0	230.5(244T)		08000
		ETOHO	080		HM	R	FO	2.0	076.9(090T)	007.0	08000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ARHUF	N484049.60	W1093740.02	N4840.827	W10937.667
	CIBMI	N483238.58	W1095343.80	N4832.643	W10953.730
	COSOG	N483237.97	W1093741.96	N4832.633	W10937.699
	ETOHO	N483259.19	W1101617.20	N4832.987	W11016.287
	FIKOB	N484049.04	W1095246.83	N4840.817	W10952.781
	JINTO	N483237.95	W1100254.33	N4832.633	W11002.906
	YOYNO	N482139.20	W1100251.82	N4821.653	W11002.864
	RW08	N483238.56	W1094621.98	N4832.643	W10946.366

RUNWAY DATA	RWY	THRESHOLD	TCH
		ELEVATION	
	RW08	02581	40

EQUALITY  
1  
CHECKED

CITY AND STATE  HAVRE, MT	ELEVATION: 2591 TDZE: 2585	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  RNAV (GPS) RWY 8, ORIG  17 DEC 2009	SUP:
	AIRPORT NAME:  HAVRE CITY-COUNTY			AMDT: NONE
	DATED:			

US DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES				MISSED APPROACH					
FROM	TO	COURSE AND DISTANCE	ALTITUDE						
HVR VOR/DME	JEPAL (FO)	076.00 / 11.75	5500	LPV: DA LNAV/VNAV: DA LNAV: RW26  CLIMB TO 8000 DIRECT CIBMI AND VIA TRACK 258.45 TO ETOHO AND HOLD, CONTINUE CLIMB-IN-HOLD TO 8000.  ADDITIONAL FLIGHT DATA: HOLD W, RT, 076.86 INBOUND. CHART FAS OBST: 2797 TANK 483301N/1094308W CHART 3168 TREE 483110N/1093802W DISTANCE TO THLD FROM 250 HAT: 0.69 NM. WAAS CHANNEL # 48816 REFERENCE PATH ID: W26A					
ISITE (IAF)	JEPAL (NOPT) (FB)	276.92 / 8.57	5500						
JEPAL (IF/IAF)	COSOG (FB)	257.27 / 6.10	4200						
1. PT <u>      </u> SIDE OF COURSE <u>      </u> OUTBOUND <u>      </u> FT WITHIN <u>      </u> MILES OF <u>      </u> (IAF) 2. HOLD E JEPAL, RT, 257.27 INBOUND, 5500 FT. IN LIEU OF PT (IAF) 3. FAC: 257.15 FAF: COSOG DIST FAF TO MAP: 4.90 THLD: 4.90 4. MIN. ALT: JEPAL 5500, COSOG 4200 5. DIST TO THLD FROM OM: <u>      </u> MM: <u>      </u> IM: <u>      </u> 150 HAT: <u>      </u> 100 HAT: <u>      </u> GS ANT: <u>      </u> 6. MIN GS INCPT: 4200 GS ALT AT: COSOG OM: <u>      </u> MM: <u>      </u> IM: <u>      </u> 7. GS ANGLE: 3.00 TCH: 38.0 34:1 IS NOT CLEAR 8. MSA FROM: RW26 8200				MAG VAR: 13E 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
LPV DA	2836	1	250	2836	1	250	2836	1	250
LNAV/VNAV DA	3097	1 3/4	511	3097	1 3/4	511	3097	1 3/4	511
LNAV MDA	3060	1	474	3060	1	474	3060	1 1/2	474
CIRCLING	3060	1	469	3100	1	509	3100	1 1/2	509
NOTES: CHART NOTE: WHEN VGSI INOP, PROCEDURE NA AT NIGHT. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20C (-4F) OR ABOVE 43C (109F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.									
CITY AND STATE		ELEVATION: 2591 TDZE: 2586		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP:	
HAVRE, MT		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 26, ORIG		AMDT: NONE	
		HAVRE CITY-COUNTY				17 DEC 2009		DATED	

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

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KHVR
RUNWAY	RW26
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	0
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W26A
LTP/FTP LATITUDE	483238.5140N
LTP/FTP LONGITUDE	1094504.6365W
LTP/FTP ELLIPSOIDAL HEIGHT	+07702
FPAP LATITUDE	483238.5800N
FPAP LONGITUDE	1094718.7300W
THRESHOLD CROSSING HEIGHT (TCH)	00038.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1160
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER E6C0D9A9

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+07862
FPAP ORTHOMETRIC HEIGHT	+07862

CITY AND STATE HAVRE, MT	ELEVATION: 2591 TDZE: 2586	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 26, ORIG 17 DEC 2009	SUP:
	AIRPORT NAME: HAVRE CITY-COUNTY			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.

[illegible]

QUALITY  
CHECKED

CITY AND STATE  HAVRE, MT	ELEVATION: 2591    TDZE: 2586 AIRPORT NAME:  HAVRE CITY-COUNTY	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  RNAV (GPS) RWY 26, ORIG  17 DEC 2009	SUP:
				AMDT:        NONE
				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 airport 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	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KHVRK1PR26	RW26 001 0000W26A0N4832385140W10945046365+077020300N4832385800W10947187300106751160000380F400500E6C0D9A9												
SUSAP KHVRK1PR26	RW26 002E +07862+07862LPV 48816												

	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KHVRK1SRW26 K1PG	0 18018008225 M												

QUALITY  
CHECKED

CITY AND STATE <b>HAVRE, MT</b>	ELEVATION: 2591 TDZE: 2586	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 26, ORIG</b>  <b>17 DEC 2009</b>	SUP:
	AIRPORT NAME:  <b>HAVRE CITY-COUNTY</b>			AMDT: <b>NONE</b>
				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				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: HVR VOR/DME
				CLIMB TO 3500 THEN CLIMBING LEFT TURN TO 8000 DIRECT HVR VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 8000.
				ADDITIONAL FLIGHT DATA: HOLD W, RT, 094.00 INBOUND. CHART FAS OBST: 2834 TREE 483335N/1100127W CHART VDP AT 1.80 DME; DISTANCE VDP TO THLD 1.63 MILES. CHART 4900 PRIOR TO HVR VOR/DME IN PROFILE. FAC CROSSES RWY C/L EXTENDED 3000 FROM THLD.

1. PT L SIDE OF COURSE 273.60 OUTBOUND 4500 FT WITHIN 10 MILES OF HVR VOR/DME (IAF)  
 2. \_\_\_\_\_  
 3. FAC 093.61 FAF \_\_\_\_\_ DIST FAF TO MAP \_\_\_\_\_ THLD \_\_\_\_\_  
 4. MIN. ALT \_\_\_\_\_  
 8. MSA FROM: HVR VOR/DME 080-210 8200, 210-080 4600

MAG VAR: 16E

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		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-8	3140	1	555	3140	1	555	3140	1 1/2	555	3140	1 3/4	555			
CIRCLING	3140	1	549	3140	1	549	3140	1 1/2	549	3160	2	569			

NOTES:

CITY AND STATE <b>HAVRE, MT</b>	ELEVATION: 2591 TDZE: 2585	FACILITY IDENTIFIER: <b>HVR</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>VOR RWY 8, AMDT 7</b>  <b>17 DEC 2009</b>	SUP VOR OR GPS RWY <b>7</b>
	AIRPORT NAME:  <b>HAVRE CITY-COUNTY</b>			AMDT <b>6A</b>
				DATE <b>03/15/2007</b>

**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				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
				<b>MAP: HVR VOR/DME</b>  <b>CLIMB TO 4500 THEN CLIMBING RIGHT TURN TO 8000 DIRECT HVR VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 8000.</b>  <b>ADDITIONAL FLIGHT DATA:</b> <b>HOLD W, RT, 094.00 INBOUND.</b> <b>CHART FAS OBST: 2797 TANK 483301N/1094308W</b> <b>RHINO TO RW26: 3.34/38.</b> <b>CHART: MAX 10000 AT HVR VOR/DME.</b> <b>FAC CROSSES RWY C/L EXTENDED 2840 FROM THLD.</b>

1. PT L SIDE OF COURSE 064.00 OUTBOUND 4500 FT WITHIN 10 MILES OF HVR VOR/DME (IAF)  
 2. \_\_\_\_\_  
 3. FAC 244.00 FAF \_\_\_\_\_ DIST FAF TO MAP \_\_\_\_\_ THLD \_\_\_\_\_  
 4. MIN. ALT RHINO/HVR 3.20 DME 3480  
 8. MSA FROM: HVR VOR/DME 080-210 8200, 210-080 4600

MAG VAR: 16E EPOCH YEAR: 1985

MINIMUMS																
TAKEOFF:		STANDARD	X	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
S-26		3480	1 1/4	894	3480	1 1/4	894	3480	2 3/4	894	3480	3	894			
CIRCLING		3480	1 1/4	889	3480	1 1/4	889	3480	2 3/4	889	3480	3	889			
RHINO FIX MINIMUMS																
S-26		3060	1	474	3060	1	474	3060	1 1/4	474	3060	1 1/2	474			
CIRCLING		3060	1	469	3100	1	509	3100	1 1/2	509	3160	2	569			

NOTES:  
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.  
 CHART PROFILE NOTE: VGS1 AND DESCENT ANGLES NOT COINCIDENT.

@ CAT A, B 900-2, CAT C 900-2 3/4, CAT D 900-3

CITY AND STATE <b>HAVRE, MT</b>	ELEVATION: 2591 TDZE: 2586	FACILITY IDENTIFIER: <b>HVR</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>VOR RWY 26, AMDT 9</b>  <b>17 DEC 2009</b>	SUP VOR OR GPS RWY
	AIRPORT NAME:  <b>HAVRE CITY-COUNTY</b>			<b>25</b>
				AMDT <b>8C</b>
				DATE <b>03/15/2007</b>

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

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

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
HVR		HVR	010		IF		FB				
HVR		JEPAL	020	IAF	TF		FO	2.0	076.0 (089T)	011.8	05500
HVR		JEPAL	030	IAF	HF	R	FO		257.3 (270T)	005.0	05500
ISITE		ISITE	010	IAF	IF		FB				
ISITE		JEPAL	020	IF	TF		FB	1.0	276.9 (290T)	008.6	05500
		JEPAL	010	FACF	IF		FB				05500
		COSOG	020	PAF	TF		FB	0.5	257.3 (270T)	006.1	04200
		RW26	030	MAP	TF		FO	0.3	257.2 (270T)	004.9	02618

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CIBMI	040		DF		FB	1.0			
	ETOH0	050		TF		FO	1.0	258.5 (272T)		08000
	ETOH0	060		HM	R	FO	2.0	076.9 (090T)	007.0	08000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HVR	N483225.70	W1094612.00	N4832.428	W10946.200
	CIBMI	N483238.58	W1095343.80	N4832.643	W10953.730
	COSOG	N483237.97	W1093741.96	N4832.633	W10937.699
	ETOH0	N483259.19	W1101617.20	N4832.987	W11016.287
	ISITE	N482942.17	W1091623.82	N4829.703	W10916.397
	JEPAL	N483236.63	W1092831.40	N4832.611	W10928.523
	RW26	N483238.51	W1094504.64	N4832.642	W10945.077

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW26	02580		38

CITY AND STATE  
HAYRE, MTELEVATION: 2591 TDZE: 2586  
AIRPORT NAME:  
HAYRE CITY-COUNTYFACILITY  
IDENTIFIER:  
RNAVPROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
RNAV (GPS) RWY 26, ORIG  
17 DEC 2009SUP:  
AMDT: NONE  
DATED:

## TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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### (1) TAKEOFF MINIMUMS:

RWY 3, 21, 26 STANDARD

RWY 8, 300-1 3/4 OR STANDARD WITH MINIMUM CLIMB OF 217' PER NM TO 3300

### (2) TEXTUAL DEPARTURE PROCEDURE:

RWY 3-CLIMB HEADING 032.05 TO 3300 THEN CLIMBING LEFT TURN TO 8000 DIRECT HVR VOR/DME THENCE....

RWY 8-CLIMB HEADING 077.05 TO 3300 THEN CLIMBING LEFT TURN TO 8000 VIA HVR R-025 TO HVR VOR/DME THENCE....

RWY 21-CLIMB HEADING 212.06 TO 3300 THEN CLIMBING RIGHT TURN TO 8000 DIRECT HVR VOR/DME THENCE....

RWY 26-CLIMB HEADING 257.06 TO 3300 THEN CLIMBING RIGHT TURN TO 8000 DIRECT HVR VOR/DME THENCE....

....CONTINUE CLIMB IN HOLD IN HVR VOR/DME HOLDING PATTERN (HOLD W, RT, 094.00 INBOUND) TO CROSS HVR VOR/DME AT OR ABOVE 8000 BEFORE PROCEEDING ON COURSE.

(3) TAKEOFF OBSTACLE NOTES: NOTE: RWY 3, POLE, 2,682' FROM DER, 1,044' LEFT OF CENTERLINE, 21' AGL/2,680' MSL. NOTE: RWY 8, OL ON WINDSOCK 59' FROM DER, 224' LEFT OF CENTERLINE, 9' AGL/2,588' MSL. TREE 1,192' FROM DER, 752' LEFT OF CENTERLINE, 25' AGL/2,610' MSL. TANK 1.3NM FROM DER, 2,287' LEFT OF CENTERLINE, 57' AGL/2,797' MSL. NOTE: RWY 26, LIGHT ON WINDSOCK, 50' FROM DER, 225' RIGHT OF CENTERLINE, 9' AGL/2,589' MSL. TREES BEGINNING 1,617' FROM DER, 650' RIGHT OF CENTERLINE, 25' AGL/2,659' MSL.

### (4) CONTROLLING OBSTACLES:

RWY 8: 2797 MSL TANK 483301.44N/1094308.30W, 3435 MSL TOWER 482940.00N/ 1094254.00W

RWY 3, 21, 26: 3435 MSL TOWER 482940.00N/1094254.00W

QUALITY  
CHECKED

(5) City, State <b>HAVRE, MT</b>	(6) Airport <b>HAVRE CITY-COUNTY</b>	(7) Effective Date <b>17 DEC 2009</b>	(8) Amdt. No. <b>3</b>
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<b>U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION</b> <b>GPS STANDARD INSTRUMENT APPROACH PROCEDURE</b> <b>FLIGHT STANDARDS SERVICE - FAR PART 97.33</b>					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.												
<b>TERMINAL ROUTES</b>										<b>MISSED APPROACH</b>							
FROM		TO		COURSE AND DISTANCE				ALTITUDE									
										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: <input type="checkbox"/> STANDARD <input type="checkbox"/> SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A <input type="checkbox"/>																	
CATEGORY ==>		A			B			C			D			E			
	MDA	VIS	HAT/HAA		MDA	VIS	HAT/HAA		MDA	VIS	HAT/HAA		MDA	VIS	HAT/HAA		
NOTES:																	
PROCEDURE CANCELED EFFECTIVE 17 DEC 2009																	
CITY AND STATE HUDSON, NY				ELEVATION: 198 TDZE: 198 AIRPORT NAME:  COLUMBIA COUNTY				FACILITY IDENTIFIER: GPS				PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 3, AMDT 1A, 04/20/2000				SUP GPS RWY 03 AMDT 1 DATE 04/20/2000	

<b>U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION</b> <b>GPS STANDARD INSTRUMENT APPROACH PROCEDURE</b> <b>FLIGHT STANDARDS SERVICE - FAR PART 97.33</b>					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.																																																																																																																																				
<b>TERMINAL ROUTES</b>										<b>MISSED APPROACH</b>																																																																																																																															
FROM	TO	COURSE AND DISTANCE				ALTITUDE				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: _____																																																																																																																															
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>TAKEOFF: _____</td> <td>STANDARD _____</td> <td colspan="6">SEE FAA FORM 8260-15A FOR THIS AIRPORT</td> <td colspan="3">ALTERNATE: NA _____</td> </tr> <tr> <td>CATEGORY =====&gt;</td> <td colspan="3" style="text-align: center;"><b>A</b></td> <td colspan="3" style="text-align: center;"><b>B</b></td> <td colspan="3" style="text-align: center;"><b>C</b></td> <td colspan="3" style="text-align: center;"><b>D</b></td> <td colspan="3" style="text-align: center;"><b>E</b></td> </tr> <tr> <td></td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>															TAKEOFF: _____	STANDARD _____	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: NA _____			CATEGORY =====>	<b>A</b>			<b>B</b>			<b>C</b>			<b>D</b>			<b>E</b>				MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA																																																																																
TAKEOFF: _____	STANDARD _____	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: NA _____																																																																																																																																	
CATEGORY =====>	<b>A</b>			<b>B</b>			<b>C</b>			<b>D</b>			<b>E</b>																																																																																																																												
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA																																																																																																																										
NOTES:  <div style="text-align: center; margin-top: 20px;">           17 DEC 2009            PROCEDURE CANCELED EFFECTIVE _____         </div>																																																																																																																																									
CITY AND STATE HUDSON, NY		ELEVATION: 198    TDZE: 194 AIRPORT NAME:  COLUMBIA COUNTY		FACILITY IDENTIFIER: GPS		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 21, ORIG-B, 08/25/2006				SUP AMDT    ORIG-A DATE    04/20/2000																																																																																																																															

**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**  
**NDB STANDARD INSTRUMENT APPROACH PROCEDURE**  
**FLIGHT STANDARDS SERVICE - FAR PART 97.27**

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: 1.92 MILES AFTER PFH NDB
ATHOS INT	PFH NDB	097.81 / 3.97	3000	CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 2700 DIRECT PFH NDB AND HOLD.
HIDAL INT	PFH NDB	279.22 / 10.05	4100	
				ADDITIONAL FLIGHT DATA: HOLD SW, LT, 027.28 INBOUND. CHART FAS OBST: 499 TREE 421540N/0734355W PFH NDB TO RW03: 5.80/20

1. PT R SIDE OF COURSE 207.28 OUTBOUND 2700 FT WITHIN 10 MILES OF PFH NDB (IAF)  
2. \_\_\_\_\_  
3. FAC 027.28 FAF PFH NDB DIST FAF TO MAP 1.92 THLD \_\_\_\_\_  
4. MIN. ALT ERAYY 2200, PFH NDB 1400  
8. MSA FROM: PFH NDB 360-180 3900, 180-360 5300

MAG VAR: 13W

EPOCH YEAR: 1965

**MINIMUMS**

TAKEOFF:	<input type="checkbox"/>	STANDARD	<input checked="" type="checkbox"/>	SEE FAA FORM 8260-15A FOR THIS AIRPORT			ALTERNATE:	N A	<input checked="" type="checkbox"/>							
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		800	1	602	820	1	622	860	1 3/4	662	920	2 1/4	722			

**NOTES:**

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.  
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ALBANY ALTIMETER SETTING AND INCREASE ALL MDA 80FT, INCREASE CAT C VISIBILITY 1/2 MILE AND CAT D VISIBILITY 1/4 MILE.

QUALITY  
30

CITY AND STATE HUDSON, NY	ELEVATION: 198 TDZE: AIRPORT NAME:  COLUMBIA COUNTY	FACILITY IDENTIFIER: PFH	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB-A, AMDT 4 17 DEC 2009	SUP
				AMDT 3
				DATE 03/27/1997



US DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
ANOPE (IAF)	KROWL (NOPT) (FB)	114.50 / 5.00	3200	LPV: DA LNAV/VNAV: DA LNAV: RW03
PUCBY (IAF)	KROWL (NOPT) (FB)	294.64 / 5.00	3200	
KROWL (IF/IAF)	HAROY (FB)	024.57 / 4.04	2200	CLIMB TO 3200 DIRECT JAPUT AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3200.
HAROY	COPAP (FB)	024.58 / 2.00	1700	
				ADDITIONAL FLIGHT DATA: HOLD NE, RT, 204.63 INBOUND. CHART FAS OBST: 499 TREE 421540N/0734355W CHART: 541 TREE 421214.66N/0734311.10W. DISTANCE TO THLD FROM 302 HAT: 0.82 NM. WAAS CHANNEL # 77715 REFERENCE PATH ID: W03A

- PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
- HOLD SW KROWL, RT, 024.57 INBOUND, 3200 FT. IN LIEU OF PT (IAF)
- FAC: 024.59 FAF: COPAP DIST FAF TO MAP: 4.53 THLD: 4.53
- MIN. ALT: KROWL 3200, HAROY 2200, COPAP 1700
- DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
- MIN GS INCPT: 1700 GS ALT AT: COPAP 1700 OM:        MM:        IM:
- GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR
- MSA FROM:

MAG VAR: 13W

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		
	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	500	1	302	500	1	302	500	1	302	500	1	302			
LNAV/VNAV DA	842	2 1/4	644	842	2 1/4	644	842	2 1/4	644	842	2 1/4	644			
LNAV MDA	760	1	562	760	1	562	760	1 1/2	562	760	1 3/4	562			
CIRCLING	760	1	562	820	1	622	860	1 3/4	662	920	2 1/4	722			

NOTES:  
CHART NOTE: BARO-VNAV NA WHEN USING ALBANY 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

CITY AND STATE HUDSON, NY	ELEVATION: 198 TDZE: 198 AIRPORT NAME: COLUMBIA COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 3, ORIG 17 DEC 2009	SUP: AMDT: NONE DATED
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## 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.

## NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ALBANY ALTIMETER SETTING AND INCREASE ALL DA 76FT AND MDA 80FT, INCREASE LPV ALL CATS, LNAV/VNAV ALL CATS, LNAV CATS C AND D, AND CIRCLING CAT D VISIBILITY 1/4 MILE, AND CIRCLING CAT C VISIBILITY 1/2 MILE.

## TAA

	FROM	TO	ALT
1.	295/30 CW 115/30 (NOPT)	295/9 CW 115/9	6400
2.	295/9 CW 115/9	KROWL (IF/IAF) (FB)	3200
3.	115/30 CW 205/30	115/7 CW 205/7	6300
4.	115/7 CW 205/7	ANOPE (IAF) (FB)	4600
5.	205/30 CW 295/30	PUCBY (IAF) (FB)	4900

CITY AND STATE

HUDSON, NY

ELEVATION: 198

TDZE: 198

AIRPORT NAME:

COLUMBIA COUNTY

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 3, ORIG

17 DEC 2009

SUP:

AMDT: NONE

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 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

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	1B1
RUNWAY	RW03
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W03A
LTP/FTP LATITUDE	421702.7795N
LTP/FTP LONGITUDE	0734244.3145W
LTP/FTP ELLIPSOIDAL HEIGHT	+00289
FPAP LATITUDE	421830.0900N
FPAP LONGITUDE	0734220.1600W
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	1120
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
<u>CRC REMAINDER</u>	192728F6

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00604
FPAP ORTHOMETRIC HEIGHT	+00604

CITY AND STATE

HUDSON, NY

ELEVATION: 198 TDZE: 198

AIRPORT NAME:

COLUMBIA COUNTY

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 3, ORIG

17 DEC 2009

SUP:

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.

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP 1B1 K6FR03	AANOPE	010AANOPEK6EA0E	A	IF						18000		A JS	
SUSAP 1B1 K6FR03	AANOPE	020KROWLK6EA0EE	010TF			11450050		+ 03200				A JS	
SUSAP 1B1 K6FR03	AKROWL	010KROWLK6EA0EE	AR	HF		02460040		+ 03200		18000		A JS	
SUSAP 1B1 K6FR03	APUCBY	010PUCBYK6EA0E	A	IF						18000		A JS	
SUSAP 1B1 K6FR03	APUCBY	020KROWLK6EA0EE	010TF			29460050		+ 03200				A JS	
SUSAP 1B1 K6FR03	R	010KROWLK6EA0E	I	IF				+ 03200		18000		A JS	
SUSAP 1B1 K6FR03	R	011HAROYK6EA0E	S	051TF		02460040		+ 02200				A JS	
SUSAP 1B1 K6FR03	R	020COPAPK6EA1E	F	051TF		02460020		+ 01700				A JS	
SUSAP 1B1 K6FR03	R	020COPAPK6EA2WALPV			ALNAV/VNAV	ALNAV						JS	
SUSAP 1B1 K6FR03	R	030RW03 K6PG0GY	M	031TF		02460045		00238		-300		A JS	
SUSAP 1B1 K6FR03	R	040JAPUTK6EA0EYM	010DF					+ 03200				A JS	
SUSAP 1B1 K6FR03	R	050JAPUTK6EA0EE	R020HM			20460040		+ 03200				A JS	

[illegible]

QUALITY  
1  
CHECKED

SUP:	
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.

[illegible]

QUALITY  
CHECKED

CITY AND STATE  HUDSON, NY	ELEVATION: 198 TDZE: 198 AIRPORT NAME:  COLUMBIA COUNTY	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 3, ORIG  17 DEC 2009	SUP:
				AMDT: NONE
				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 airport 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
	ANOPE	ANOPE	010	IAF	IF		FB				
	ANOPE	KROWL	020		TF		FB	1.0	114.5 (102T)	005.0	03200
	KROWL	KROWL	010	IAF	HF	R	FO		024.6 (012T)	004.0	03200
	PUCBY	PUCBY	010	IAF	IF		FB				
	PUCBY	KROWL	020		TF		FB	1.0	294.6 (282T)	005.0	03200
		KROWL	010	FACF	IF		FB				03200
		HAROY	011	SDF	TF		FB	0.5	024.6 (012T)	004.0	02200
		COPAP	020	FAF	TF		FB	0.5	024.6 (012T)	002.0	01700
		RW03	030	MAP	TF		FO	0.3	024.6 (012T)	004.5	00238

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	JAPUT	040		DF		FO	1.0			03200
	JAPUT	050		HM	R	FO	2.0	204.6 (192T)	004.0	03200

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ANOPE	N420741.26	W0735210.62	N4207.688	W07352.177
	COPAP	N421236.22	W0734357.91	N4212.604	W07343.965
	HAROY	N421038.82	W0734430.27	N4210.647	W07344.505
	JAPUT	N422821.26	W0733936.22	N4228.354	W07339.604
	KROWL	N420641.26	W0734535.64	N4206.688	W07345.594
	PUCBY	N420540.88	W0733900.87	N4205.681	W07339.015
	RW03	N421702.78	W0734244.31	N4217.046	W07342.739

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW03	00198	40

QUALITY  
1  
CHECKED

CITY AND STATE  
HUDSON, NY

ELEVATION: 198 TDZE: 198  
 AIRPORT NAME:  
 COLUMBIA COUNTY

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
 RNAV (GPS) RWY 3, ORIG  
 17 DEC 2009

SUP:  
 AMDT: NONE  
 DATED:

FAA FORM 8260 - 3 / December 2002 (computer generated) PAGE 1 OF 5 PAGES

## 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.

TAA

	FROM	TO	ALT
1.	115/30 CW 223/30 (NOPT)	115/7 CW 223/7	4500
	223/30 CW 295/30 (NOPT)	223/7 CW 295/7	5700
	115/7 CW 295/7	JAPUT (IF/IAF) (FB)	3200
2.	295/30 CW 025/30	IMERE (IAF) (FB)	4900
3.	025/30 CW 115/30	025/10 CW 115/10	6300
	025/10 CW 115/10	CIKIX (IAF) (FB)	3800

CITY AND STATE

HUDSON, NY

ELEVATION: 198

TDZE: 194

AIRPORT NAME:

COLUMBIA COUNTY

FACILITY  
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 21, ORIG

17 DEC 2009

SUP:

AMDT: NONE

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 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

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	1B1
RUNWAY	RW21
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W21A
LTP/FTP LATITUDE	421754.5440N
LTP/FTP LONGITUDE	0734230.0035W
LTP/FTP ELLIPSOIDAL HEIGHT	+00277
FPAP LATITUDE	421627.2300N
FPAP LONGITUDE	0734254.1300W
THRESHOLD CROSSING HEIGHT (TCH)	00060.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.52
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1120
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER 9C65961C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00591
FPAP ORTHOMETRIC HEIGHT	+00591

CITY AND STATE HUDSON, NY	ELEVATION: 198 TDZE: 194 AIRPORT NAME: COLUMBIA COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: RNAV (GPS) RWY 21, ORIG 17 DEC 2009	SUP: AMD'T: NONE DATED:
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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.

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP 1B1 K6FR21	ACIKIX	010CIKIXK6EA0E	A	IF						18000		A JS	
SUSAP 1B1 K6FR21	ACIKIX	020JAPUTK6EA0EE		010TF		11460050		+ 03200				A JS	
SUSAP 1B1 K6FR21	AIMERE	010IMEREK6EA0E	A	IF						18000		A JS	
SUSAP 1B1 K6FR21	AIMERE	020JAPUTK6EA0EE		010TF		29470050		+ 03200				A JS	
SUSAP 1B1 K6FR21	AJAPUT	010JAPUTK6EA0EE	AR	HF		20460040		+ 03200		18000		A JS	
SUSAP 1B1 K6FR21	R	010JAPUTK6EA0E	I	IF				+ 03200		18000		A JS	
SUSAP 1B1 K6FR21	R	020QEZAZK6EA1E	F	051TF		20460060		+ 02000				A JS	
SUSAP 1B1 K6FR21	R	020QEZAZK6EA2WALPV			N	ALNAV						JS	
SUSAP 1B1 K6FR21	R	030RW21 K6PGOGY	M	031TF		20460046			00254	-352		A JS	
SUSAP 1B1 K6FR21	R	040KROWLK6EA0EYM		010DF				+ 03200				A JS	
SUSAP 1B1 K6FR21	R	050KROWLK6EA0EE		R020HM		02460040		+ 03200				A JS	

[illegible][illegible]

QUALITY  
CHECKED

SUP:	
AMDT:	NONE
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 airport 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
	CIKIX	CIKIX	010	IAF	IF		FB				
	CIKIX	JAPUT	020		TF		FB	1.0	114.6 (102T)	005.0	03200
	IMERE	IMERE	010	IAF	IF		FB				
	IMERE	JAPUT	020		TF		FB	1.0	294.7 (282T)	005.0	03200
	JAPUT	JAPUT	010	IAF	HF	R	FO		204.6 (192T)	004.0	03200
		JAPUT	010	FACF	IF		FB				03200
		QEZAZ	020	FAF	TF		FB	0.5	204.6 (192T)	006.0	02000
		RW21	030	MAP	TF		FO	0.3	204.6 (192T)	004.6	00254

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	KROWL	040		DF		FO	1.0			03200
	KROWL	050		HM	R	FO	2.0	024.6 (012T)	004.0	03200

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CIKIX	N422921.57	W0734613.38	N4229.360	W07346.223
	IMERE	N422720.57	W0733259.27	N4227.343	W07332.988
	JAPUT	N422821.26	W0733936.22	N4228.354	W07339.604
	KROWL	N420641.26	W0734535.64	N4206.688	W07345.594
	QEZAZ	N422226.20	W0734114.79	N4222.437	W07341.247
	RW21	N421754.54	W0734230.00	N4217.909	W07342.500

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW21	00194	60

QUALITY  
1  
CHECKED

CITY AND STATE  
HUDSON, NY

ELEVATION: 198 TDZE: 194  
 AIRPORT NAME:  
 COLUMBIA COUNTY

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:  
 RNAV (GPS) RWY 21, ORIG  
 17 DEC 2009

SUP:  
 AMDT: NONE  
 DATED:

## 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 09, 27, STANDARD**

### (2) TEXTUAL DEPARTURE PROCEDURE:

### (3) TAKEOFF OBSTACLE NOTES:

**NOTE: RWY 09, BUSHES BEGINNING 72' FROM DER, 321' RIGHT OF CENTERLINE, UP TO 18' AGL/317' MSL. TREES BEGINNING 780' FROM DER, 254' RIGHT OF CENTERLINE, UP TO 72' AGL/376' MSL. TREES BEGINNING 1177' FROM DER, 59' LEFT OF CENTERLINE, UP TO 59' AGL/383' MSL.**  
**NOTE: RWY 27, SIGN 6' FROM DER, 394' LEFT OF CENTERLINE, 4' AGL/288' MSL. TERRAIN 55' FROM DER, 313' RIGHT OF CENTERLINE, 288' MSL.**  
**OL LT POLE 376' FROM DER, 370' LEFT OF CENTERLINE, 22' AGL/311' MSL. HANGER 504' FROM DER, 545' LEFT OF CENTERLINE, 28' AGL/317' MSL. ANTENNA ON HANGER 510' FROM DER, 489' LEFT OF CENTERLINE, 37' AGL/326' MSL. OL ON APBN 584' FROM DER, 474' LEFT OF CENTERLINE, 40' AGL/329' MSL. TREES BEGINNING 896' FROM DER, 251' LEFT OF CENTERLINE, UP TO 52' AGL/353' MSL. TREES BEGINNING**

### (4) CONTROLLING OBSTACLES:

QUALITY  
7  
CHECKED

(5) City, State <b>OGDENSBURG, NY</b>	(6) Airport <b>OGDENSBURG INTERNATIONAL</b>	(7) Effective Date <b>17 DEC 2009</b>	(8) Amdt. No. <b>1</b>
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**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**  
**DEPARTURE PROCEDURE (CONTINUATION FAA FORM 8260-15A**  
**FLIGHT STANDARDS SERVICE**

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: (CONTINUED) 997' FROM DER, 252' RIGHT OF CENTERLINE, UP TO 52' AGL/371' MSL.

QUALITY  
5  
CHECKED

City, State <b>OGDENSBURG, NY</b>		Airport <b>OGDENSBURG INTERNATIONAL</b>		Effective Date <b>17 DEC 2009</b>	Amdt. No. <b>1</b>
DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date

<b>RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33</b>				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												MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV: RW17R  CLIMB TO 3800 DIRECT JEBGO AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD S, RT, 353.20 INBOUND. CHART FAS OBST: 1459 TREE 353300N/0974946W DISTANCE TO THLD FROM 250 HAT: 0.62 NM. CHART VDP AT 1.12 MILES TO RW17R* *LNAV ONLY. WAAS CHANNEL # 42701 REFERENCE PATH ID: W17A									
EMUDE (IAF)		CATKI (NOPT) (FB)		263.26 / 5.00				3800											
FALTU (IAF)		CATKI (NOPT) (FB)		083.14 / 5.00				3800											
CATKI (IF/IAF)		BLAZO (FB)		173.20 / 6.05				3000											
1. PT <u>      </u> SIDE OF COURSE <u>      </u> OUTBOUND <u>      </u> FT WITHIN <u>      </u> MILES OF <u>      </u> (IAF) 2. HOLD N CATKI, RT, 173.20 INBOUND, 3800 FT. IN LIEU OF PT (IAF) 3. FAC: 173.20 FAF: BLAZO DIST FAF TO MAP: 4.95 THLD: 4.95 4. MIN. ALT: CATKI 3800, BLAZO 3000, HESVA/3.10 NM TO RW17R 2380* 5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT: 6. MIN GS INCPT: 3000 GS ALT AT: BLAZO OM: MM: IM: 7. GS ANGLE: 3.00 TCH: 52.0 34:1 IS CLEAR 8. MSA FROM:																MAG VAR: 7E		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	1601	3/4	250	1601	3/4	250	1601	3/4	250		NA								
LNAV MDA	1760	1	409	1760	1	409	1760	1 1/4	409		NA								
CIRCLING	1800	1	446	1820	1	466	1820	1 1/2	466		NA								
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. *LNAV ONLY CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WILEY POST ALTIMETER SETTING AND INCREASE ALL DA 29 FEET AND ALL MDA 40 FEET AND INCREASE LPV ALL CATS VISIBILITY 1/4 MILE. CHART NOTE: VDP NA WHEN USING WILEY POST ALTIMETER SETTING.																			
CITY AND STATE				ELEVATION: 1354 TDZE: 1351				FACILITY IDENTIFIER:				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
OKLAHOMA CITY, OK				AIRPORT NAME:				RNAV				RNAV (GPS) RWY 17R, AMDT 2				AMDT: 1A			
				CLARENCE E. PAGE MUNI								17 DEC 2009				DATED 12/20/2007			

## 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.

## TAA

	FROM	TO	ALT
1.	083/30 CW 263/30 (NOPT)	CATKI (IF/IAF) (FB)	3800
2.	263/30 CW 353/30	EMUDE (IAF) (FB)	3800
3.	353/30 CW 083/30	FALTU (IAF) (FB)	3800

QUALITY  
1  
CHECKED

CITY AND STATE

OKLAHOMA CITY, OK

ELEVATION: 1354 TDZE: 1351

AIRPORT NAME:

CLARENCE E. PAGE MUNI

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 17R, AMDT 2

17 DEC 2009

SUP:

AMDT: 1A

DATED: 12/20/2007

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

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0  
SBAS SERVICE PROVIDER IDENTIFIER 0  
AIRPORT IDENTIFIER KRCE  
RUNWAY RW17R  
APPROACH PERFORMANCE DESIGNATOR 0  
ROUTE INDICATOR  
REFERENCE PATH DATA SELECTOR 0  
REFERENCE PATH IDENTIFIER (APPROACH ID) W17A  
LTP/FTP LATITUDE 352946.7005N  
LTP/FTP LONGITUDE 0974929.1430W  
LTP/FTP ELLIPSOIDAL HEIGHT +03846  
FPAP LATITUDE 352817.4600N  
FPAP LONGITUDE 0974929.5200W  
THRESHOLD CROSSING HEIGHT (TCH) 00052.0  
TCH UNITS SELECTOR (METERS OR FEET USED) F  
GLIDEPATH ANGLE (GPA) 03.00  
COURSE WIDTH AT THRESHOLD 106.75  
LENGTH OFFSET 0920  
HORIZONTAL ALERT LIMIT (HAL) 40.0  
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

FC2D8DC8

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K4  
LTP ORTHOMETRIC HEIGHT +04116  
FPAP ORTHOMETRIC HEIGHT +04116

QUALITY  
1  
CHECKED

CITY AND STATE

OKLAHOMA CITY, OK

ELEVATION: 1354 TDZE: 1351

AIRPORT NAME:

CLARENCE E. PAGE MUNI

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 17R, AMDT 2

17 DEC 2009

SUP:

AMDT: 1A

DATED: 12/20/2007



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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KRCEK4FR17R	ACATKI	010CATKIK4EA0EE	AR	HF		17320040	+	03800	18000		A	JS
SUSAP	KRCEK4FR17R	AEMUDE	010EMUDEK4EA0E	A	IF					18000		A	JS
SUSAP	KRCEK4FR17R	AEMUDE	020CATKIK4EA0EE	B	010TF		26330050	+	03800			A	JS
SUSAP	KRCEK4FR17R	AFALTU	010FALTUK4EA0E	A	IF					18000		A	JS
SUSAP	KRCEK4FR17R	AFALTU	020CATKIK4EA0EE	B	010TF		08310050	+	03800			A	JS
SUSAP	KRCEK4FR17R	R	010CATKIK4EA0E	I	IF			+	03800	18000		A	JS
SUSAP	KRCEK4FR17R	R	020BLAZOK4EA1E	F	051TF		17320061	+	03000			A	JS
SUSAP	KRCEK4FR17R	R	020BLAZOK4EA2WALPV			N	ALNAV						JS
SUSAP	KRCEK4FR17R	R	021HESVAK4EA0E	S	031TF		17320019	V	0238002399		-300	A	JS
SUSAP	KRCEK4FR17R	R	030RW17RK4PG0GY	M	031TF		17320031		01403		-300	A	JS
SUSAP	KRCEK4FR17R	R	040JEBGOK4EA0EYM		010DF			+	03800			A	JS
SUSAP	KRCEK4FR17R	R	050JEBGOK4EA0EE		R020HM		35320040	+	03800			A	JS

[illegible]

QUALITY  
CHECKED

CITY AND STATE  OKLAHOMA CITY, OK	ELEVATION: 1354    TDZE: 1351  AIRPORT NAME:  CLARENCE E. PAGE MUNI	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:  RNAV (GPS) RWY 17R, AMDT 2  17 DEC 2009	SUP:
				AMDT:            1A
				DATED:            12/20/2007

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 airport 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	1	2	3	4	5	6	7	8	9	0	1	2	3
	1	2	3	4	5	6	7	8	9	0	1	2	3
-----													
SUSAP KRCEK4PR17R	RW17R001	0000W17A0N3529467005W09749291430	+038460300N3528174600W09749295200106750920000520F400500FC2D8DC8										
SUSAP KRCEK4PR17R	RW17R002E	+04116+04116LPV		42701									

QUALITY  
CHECKED

CITY AND STATE

OKLAHOMA CITY, OK

ELEVATION: 1354 TDZE: 1351

AIRPORT NAME:

CLARENCE E. PAGE MUNI

FACILITY  
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 17R, AMDT 2

17 DEC 2009

SUP:

AMDT: 1A

DATED: 12/20/2007

**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 airport 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
	CATKI	CATKI	010	IAF	HF	R	FO		173.2 (180T)	004.0	03800
	EMUDE	EMUDE	010	IAF	IF		FB				
	EMUDE	CATKI	020	IF	TF		FB	1.0	263.3 (270T)	005.0	03800
	FALTU	FALTU	010	IAF	IF		FB				
	FALTU	CATKI	020	IF	TF		FB	1.0	083.1 (090T)	005.0	03800
		CATKI	010	FACF	IF		FB				03800
		BLAZO	020	FAF	TF		FB	0.5	173.2 (180T)	006.1	03000
		HESVA	021	SDF	TF		FB	0.3	173.2 (180T)	001.9	0238002399
		RW17R	030	MAP	TF		FO	0.3	173.2 (180T)	003.1	01403

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	JEBGO	040		DF		FO	1.0			03800
	JEBGO	050		HM	R	FO	2.0	353.2 (360T)	004.0	03800

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BLAZO	N353444.06	W0974927.87	N3534.734	W09749.465
	CATKI	N354047.70	W0974926.31	N3540.795	W09749.439
	EMUDE	N354046.49	W0974318.07	N3540.775	W09743.301
	FALTU	N354048.59	W0975534.55	N3540.810	W09755.576
	HESVA	N353252.98	W0974928.34	N3532.883	W09749.472
	JEBGO	N351740.20	W0974932.24	N3517.670	W09749.537
	RW17R	N352946.70	W0974929.14	N3529.778	W09749.486

RUNWAY DATA	RWY	THRESHOLD	TCH
		ELEVATION	
	RW17R	01351	52

QUALITY  
CHECKED

CITY AND STATE <b>OKLAHOMA CITY, OK</b>	ELEVATION: 1354 TDZE: 1351	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 17R, AMDT 2</b> <b>17 DEC 2009</b>	SUP:
	AIRPORT NAME: <b>CLARENCE E. PAGE MUNI</b>			AMDT: <b>1A</b>
				DATED: <b>12/20/2007</b>

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				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE												
HEMLA (IAF)	JEBGO (NOPT) (FB)	083.14 / 5.00	3800	<b>LPV: DA</b> <b>LNAV: RW35L</b>  <b>CLIMB TO 3800 DIRECT CATKI AND HOLD.</b>  <b>ADDITIONAL FLIGHT DATA:</b> <b>HOLD N, RT, 173.20 INBOUND.</b> <b>CHART FAS OBST: 1499 TREE 352640N/0974954W</b> <b>DISTANCE TO THLD FROM 301 HAT: 0.84 NM.</b> <b>CHART VDP AT 1.18 MILES TO RW35L* *LNAV ONLY.</b> <b>WAAS CHANNEL # 86901</b> <b>REFERENCE PATH ID: W35A</b>											
JOSIL (IAF)	JEBGO (NOPT) (FB)	263.26 / 5.00	3800												
JEBGO (IF/IAF)	TUTLE (FB)	353.20 / 6.09	3000												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD S JEBGO, RT, 353.20 INBOUND, 3800 FT. IN LIEU OF PT (IAF) 3. FAC: 353.20 FAF: TUTLE DIST FAF TO MAP: 5.01 THLD: 5.01 4. MIN. ALT: JEBGO 3800, TUTLE 3000, ZUPEG/3.00 NM TO RW35L 2320* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 3000 GS ALT AT: TUTLE OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 41.0 34:1 IS NOT CLEAR 8. MSA FROM: _____				MAG VAR: 7E EPOCH YEAR: 1990											
<b>MINIMUMS</b>															
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	1651	1	301	1651	1	301	1651	1	301		NA				
LNAV MDA	1760	1	410	1760	1	410	1760	1 1/4	410		NA				
CIRCLING	1800	1	446	1820	1	466	1820	1 1/2	466		NA				
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. *LNAV ONLY CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WILEY POST ALTIMETER SETTING AND SEE 8260-10															
CITY AND STATE				ELEVATION: 1354 TDZE: 1350		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
OKLAHOMA CITY, OK				AIRPORT NAME:		RNAV		RNAV (GPS) RWY 35L, AMDT 2				AMDT: 1A			
				CLARENCE E. PAGE MUNI				17 DEC 2009				DATED 12/20/2007			

## US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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## NOTES CONT.

INCREASE ALL DA 29 FEET AND ALL MDA 40 FEET AND INCREASE LPV ALL CATS VISIBILITY 1/4 MILE.

CHART NOTE: VDP NA WHEN USING WILEY POST ALTIMETER SETTING.

## TAA

	FROM	TO	ALT
1.	263/30 CW 083/30 (NOPT)	JEBGO (IF/IAF) (FB)	3800
2.	083/30 CW 173/30	HEMLA (IAF) (FB)	3800
3.	173/30 CW 263/30	JOSIL (IAF) (FB)	3800

QUALITY  
1  
CHECKED

CITY AND STATE

OKLAHOMA CITY, OK

ELEVATION: 1354 TDZE: 1350

AIRPORT NAME:

CLARENCE E. PAGE MUNI

FACILITY  
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 35L, AMDT 2

17 DEC 2009

SUP:

AMDT: 1A

DATED: 12/20/2007

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

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0  
SBAS SERVICE PROVIDER IDENTIFIER 0  
AIRPORT IDENTIFIER KRCE  
RUNWAY RW35L  
APPROACH PERFORMANCE DESIGNATOR 0  
ROUTE INDICATOR  
REFERENCE PATH DATA SELECTOR 0  
REFERENCE PATH IDENTIFIER (APPROACH ID) W35A  
LTP/FTP LATITUDE 352847.2270N  
LTP/FTP LONGITUDE 0974929.4015W  
LTP/FTP ELLIPSOIDAL HEIGHT +03821  
FPAP LATITUDE 353016.4700N  
FPAP LONGITUDE 0974929.0200W  
THRESHOLD CROSSING HEIGHT (TCH) 00041.0  
TCH UNITS SELECTOR (METERS OR FEET USED) F  
GLIDEPATH ANGLE (GPA) 03.00  
COURSE WIDTH AT THRESHOLD 106.75  
LENGTH OFFSET 0920  
HORIZONTAL ALERT LIMIT (HAL) 40.0  
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

6EEB684F

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K4  
LTP ORTHOMETRIC HEIGHT +04091  
FPAP ORTHOMETRIC HEIGHT +04091

QUALITY  
1  
CHECKED

CITY AND STATE  
OKLAHOMA CITY, OK

ELEVATION: 1354 TDZE: 1350  
AIRPORT NAME:  
CLARENCE E. PAGE MUNI

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
RNAV (GPS) RWY 35L, AMDT 2  
17 DEC 2009

SUP:  
AMDT: 1A  
DATED: 12/20/2007

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[illegible][illegible][illegible][illegible]

QUALITY  
CHECKED

SUP:	
AMDT:	1A
DATED:	12/20/2007

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

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

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1 2 3 4 5 6 7 8 9 0 1 2 3  
PP 1234567890123456789012345678901234567890123456789012345678901234567890123456789012  
-----  
SUSAP KRCEK4PR35L RW35L001 0000W35A0N3528472270W09749294015+038210300N3530164700W09749290200106750920000410F4005006EEB684F  
SUSAP KRCEK4PR35L RW35L002E +04091+04091LPV 86901

QUALITY  
1  
CHECKED

CITY AND STATE

OKLAHOMA CITY, OK

ELEVATION: 1354 TDZE: 1350

AIRPORT NAME:

CLARENCE E. PAGE MUNI

FACILITY  
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 35L, AMDT 2

17 DEC 2009

SUP:

AMDT: 1A

DATED: 12/20/2007



**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 airport 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
	HEMLA	HEMLA	010	IAF	IF		FB				
	HEMLA	JEBGO	020	IF	TF		FB	1.0	083.1 (090T)	005.0	03800
	JEBGO	JEBGO	010	IAF	HF	R	FO		353.2 (360T)	004.0	03800
	JOSIL	JOSIL	010	IAF	IF		FB				
	JOSIL	JEBGO	020	IF	TF		FB	1.0	263.3 (270T)	005.0	03800
		JEBGO	010	FACF	IF		FB				03800
		TUTLE	020	FAF	TF		FB	0.5	353.2 (360T)	006.1	03000
		ZUPEG	021	SDF	TF		FB	0.3	353.2 (360T)	002.0	0232002347
		RW35L	030	MAP	TF		FO	0.3	353.2 (360T)	003.0	01383

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CATKI	040		DF		FO	1.0			03800
	CATKI	050		HM	R	FO	2.0	173.2 (180T)	004.0	03800

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CATKI	N354047.70	W0974926.31	N3540.795	W09749.439
	HEMLA	N351741.09	W0975538.73	N3517.685	W09755.646
	JEBGO	N351740.20	W0974932.24	N3517.670	W09749.537
	JOSIL	N351739.00	W0974325.75	N3517.650	W09743.429
	TUTLE	N352346.34	W0974930.68	N3523.772	W09749.511
	ZUPEG	N352546.95	W0974930.17	N3525.783	W09749.503
	RW35L	N352847.23	W0974929.40	N3528.787	W09749.490

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW35L	01342	41

QUALITY  
CHECKED

CITY AND STATE  
OKLAHOMA CITY, OK

ELEVATION: 1354 TDZE: 1350  
 AIRPORT NAME:  
 CLARENCE E. PAGE MUNI

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
 RNAV (GPS) RWY 35L, AMDT 2  
 17 DEC 2009

SUP:  
 AMDT: 1A  
 DATED: 12/20/2007

QUALITY  
4  
CHECKED

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				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
LRP VORTAC	DALAC INT/LRP 13.00 DME	257.93 / 13.00	3000	ILS: DA LOC: 6.36 MILES AFTER POLCU INT/LANCASTER 6.85 DME OR AT LRP 0.53 DME FIX
DALAC INT/LRP 13.00 DME (IF/IAF)	POLCU INT/LRP 6.85 DME	076.69 / 6.15 (I-LNS)	2500	CLIMB TO 1200 THEN CLIMBING LEFT TURN TO 3000 VIA LRP VORTAC R-333 TO KUPPS INT/LRP 12.46 DME AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 1200 THEN CLIMBING LEFT TURN TO 3000 VIA HEADING 300 AND RAV VORTAC R-168 TO KUPPS INT/RAV 17.33 DME AND HOLD N, LT, 168.00 INBOUND.
				ADDITIONAL FLIGHT DATA: HOLD NW, LT, 152.70 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD N KUPPS INT/RAV 17.33 DME, LT, 168.00 INBOUND. CHART FAS OBST: 659 TREE 400240N/0762346W CHART: 875 TOWER 400332N/0762742W

- PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
- HOLD W DALAC, RT, 076.96 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
- FAC: 076.96 FAF: POLCU INT/LRP 6.85 DME DIST FAF TO MAP: 6.36 THLD: 6.36
- MIN. ALT: DALAC 3000, POLCU 2500
- DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT: 756
- MIN GS INCPT: 2500 GS ALT AT: POLCU INT/LRP 6.85 DME 2500 OM:        MM:        IM:
- GS ANGLE: 3.00 TCH: 39.7
- MSA FROM: LRP VORTAC 060-240 2600, 240-060 3000

MAG VAR: 9W

EPOCH YEAR: 1965

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 8	599	3/4	200	599	3/4	200	599	3/4	200	599	3/4	200				
S-LOC 8	840	1	441	840	1	441	840	1 1/4	441	840	1 1/2	441				
CIRCLING	940	1	537	940	1	537	940	1 1/2	537	1060	2	657				

NOTES:  
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY.  
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HARRISBURG INTL ALTIMETER SETTING AND INCREASE ALL DA 64 FEET AND ALL MDA 80 FEET, INCREASE S-LOC AND CIRCLING CATS C AND D VISIBILITY 1/4 MILE.

# CAT D 700-2  
# @ NA WHEN CONTROL TOWER CLOSED.  
# @ NA WHEN LOCAL WEATHER NOT AVAILABLE.



CITY AND STATE <b>LANCASTER, PA</b>	ELEVATION: 403 TDZE: 399 AIRPORT NAME: <b>LANCASTER</b>	FACILITY IDENTIFIER: <b>I-LNS</b>	PROCEDURE NO./AMD T NO./EFFECTIVE DATE: <b>ILS OR LOC RWY 8, AMDT 1 17 DEC 2009</b>	SUP: AMDT: <b>ORIG</b> DATED <b>03/15/2007</b>
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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				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
BAARN	OLBEC (FB)	184.45 / 10.34	3500	LPV: DA LNAV/VNAV: DA LNAV: RW08  CLIMB TO 3000 DIRECT ROYCO AND VIA TRACK 346.89 TO RADBE AND VIA TRACK 289.77 TO KUPPS AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD N, LT, 168.00 INBOUND. CHART FAS OBST: 532 TANK 400626N/0761827W CHART FAS OBST: 659 TREE 400440N/0762348W DISTANCE TO THLD FROM 250 HAT: 0.66 NM. CHART VDP AT 1.58 MILES TO RW08* *LNAV ONLY. WAAS CHANNEL # 77915 REFERENCE PATH ID: W08A
OLBEC (IAF)	DALAC (FB)	167.93 / 5.00	3000	
DELRO (IAF)	DALAC (FB)	044.52 / 5.62	3000	
DALAC (IF)	POLCU (FB)	076.80 / 6.15	2500	

- PT NA SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
- PROFILE STARTS AT DALAC
- FAC: 076.88 FAF: POLCU DIST FAF TO MAP: 6.36 THLD: 6.36
- MIN. ALT: DALAC 3000, POLCU 2500
- DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
- MIN GS INCPT: 2500 GS ALT AT: POLCU OM:        MM:        IM:
- GS ANGLE: 3.00 TCH: 39.7 34:1 IS CLEAR
- MSA FROM: RW08 3000

MAG VAR: 9W

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		
	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	649	1	250	649	1	250	649	1	250	649	1	250				
LNAV/VNAV DA	879	1 3/4	480	879	1 3/4	480	879	1 3/4	480	879	1 3/4	480				
LNAV MDA	940	1	541	940	1	541	940	1 1/2	541	940	1 3/4	541				
CIRCLING	940	1	537	940	1	537	940	1 1/2	537	1060	2	657				

**NOTES:**

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY.

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: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HARRISBURG INTL ALTIMETER SETTING AND

SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY  
CHECKED

CITY AND STATE <u>LANCASTER, PA</u>	ELEVATION: 403 TDZE: 399 AIRPORT NAME: <u>LANCASTER</u>	FACILITY IDENTIFIER: <u>RNAV</u>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <u>RNAV (GPS) RWY 8, AMDT 2</u> <u>17 DEC 2009</u>	SUP: AMDT: <u>1A</u> DATED <u>04/09/2009</u>
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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.

**NOTES CONT.**

INCREASE ALL DA 64 FEET AND ALL MDA 80 FEET, INCREASE LNAV/VNAV ALL CATS VISIBILITY 1/4 MILE, LNAV AND CIRCLING CATS C AND D VISIBILITY 1/4 MILE.

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING HARRISBURG INTL ALTIMETER SETTING.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT DELRO VIA V184-474 WESTBOUND AND V39-143 WESTBOUND.



CITY AND STATE  
LANCASTER, PA

ELEVATION: 403 TDZE: 399  
AIRPORT NAME:  
LANCASTER

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
RNAV (GPS) RWY 8, AMDT 2  
17 DEC 2009

SUP:  
AMDT: 1A  
DATED: 04/09/2009

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 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	KLNS
RUNWAY	RW08
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	0
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W08A
LTP/FTP LATITUDE	400713.1230N
LTP/FTP LONGITUDE	0761810.2820W
LTP/FTP ELLIPSOIDAL HEIGHT	+00870
FPAP LATITUDE	400737.5000N
FPAP LONGITUDE	0761851.8100W
THRESHOLD CROSSING HEIGHT (TCH)	00039.7
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	104.25
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

888F0B45

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+01214
FPAP ORTHOMETRIC HEIGHT	+01214

QUALITY  
CHECKED

CITY AND STATE  
LANCASTER, PA

ELEVATION: 403 TDZE: 399  
AIRPORT NAME:  
LANCASTER

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
RNAV (GPS) RWY 8, AMDT 2  
17 DEC 2009

SUP:	
AMDT:	1A
DATED:	04/09/2009

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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KLNSK6FR08	ABAARN	010BAARNK6EA0E		IF					18000		A JS	
SUSAP	KLNSK6FR08	ABAARN	020OLBECK6EA0E	A	020TF		18450103	+	03500			A JS	
SUSAP	KLNSK6FR08	ABAARN	030DALACK6EA0EE		010TF		16790050	+	03000			A JS	
SUSAP	KLNSK6FR08	ADELRO	010DELROK6EA0E	A	IF					18000		A JS	
SUSAP	KLNSK6FR08	ADELRO	020DALACK6EA0EE		010TF		04450056	+	03000			A JS	
SUSAP	KLNSK6FR08	R	010DALACK6EA0E	I	IF			+	03000	18000		A JS	
SUSAP	KLNSK6FR08	R	020POLCUK6EA1E	F	051TF		07680062	+	02500		RW08	K6PGA	JS
SUSAP	KLNSK6FR08	R	020POLCUK6EA2WALPV			ALNAV/VNAV	ALNAV						JS
SUSAP	KLNSK6FR08	R	030RW08	K6PG0GY	M	031TF	07690064		00438		-300		A JS
SUSAP	KLNSK6FR08	R	040ROYCOK6EA0E	M	010DF								A JS
SUSAP	KLNSK6FR08	R	050RADBEK6EA0E		010TF		3469						A JS
SUSAP	KLNSK6FR08	R	060KUPPSK6EA0EY		010TF		2898	+	03000				A JS
SUSAP	KLNSK6FR08	R	070KUPPSK6EA0EE		L020HM		16800040	+	03000				A JS

[illegible]

QUALITY  
CHECKED

SUP:	
AMDT:	1A
DATED:	04/09/2009

**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 airport 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	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	-----												
	SUSAP KLNSK6PR08	RW08	001	0000W08A0N4007131230W07618102820+008700300N4007375000W07616518100104250000000397F400500888F0B45									
	SUSAP KLNSK6PR08	RW08	002E	+01214+01214LPV	77915								
MSA	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	-----												
	SUSAP KLNSK6SRW08	K6PG	0	18018003025								M	

QUALITY  
CHECKED

CITY AND STATE  
LANCASTER, PA

ELEVATION: 403 TDZE: 399  
 AIRPORT NAME:  
 LANCASTER

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
 RNAV (GPS) RWY 8, AMDT 2  
 17 DEC 2009

SUP:  
 AMDT: 1A  
 DATED: 04/09/2009



**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 airport 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
	BAARN	BAARN	010		IF		FB				
	BAARN	OLBEC	020	IAF	TF		FB	2.0	184.5 (176T)	010.3	03500
	BAARN	DALAC	030		TF		FB	1.0	167.9 (159T)	005.0	03000
	DELRO	DELRO	010	IAF	IF		FB				
	DELRO	DALAC	020		TF		FB	1.0	044.5 (036T)	005.6	03000
		DALAC	010	PACF	IF		FB				03000
		POLCU	020	FAP	TF		FB	0.5	076.8 (068T)	006.2	02500
		RW08	030	MAP	TF		FO	0.3	076.9 (068T)	006.4	00438

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ROYCO	040		DF		FB	1.0			
	RADBE	050		TF		FB	1.0	346.9 (338T)		
	KUPPS	060		TF		FO	1.0	289.8 (281T)		03000
	KUPPS	070		HM	L	FO	2.0	168.0 (159T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BAARN	N401729.35	W0763640.78	N4017.489	W07636.680
	DALAC	N400230.26	W0763316.18	N4002.504	W07633.270
	DELRO	N395755.71	W0763731.24	N3957.929	W07637.521
	KUPPS	N401714.32	W0762707.01	N4017.239	W07627.117
	OLBEC	N400710.58	W0763536.67	N4007.176	W07635.611
	POLCU	N400449.51	W0762551.27	N4004.825	W07625.855
	RADBE	N401534.27	W0761536.01	N4015.571	W07615.600
	ROYCO	N400904.92	W0761209.52	N4009.082	W07612.159
	RW08	N400713.12	W0761810.28	N4007.219	W07618.171

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW08	00398	40

QUALITY  
CHECKED

CITY AND STATE  
LANCASTER, PA

ELEVATION: 403 TDZE: 399  
 AIRPORT NAME:  
 LANCASTER

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:  
 RNAV (GPS) RWY 8, AMDT 2  
 17 DEC 2009

SUP:  
 AMDT: 1A  
 DATED: 04/09/2009

## 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 13, 26 STANDARD.

RWY 8, 300-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 301 FT PER NM TO 700.

RWY 31, 300-1 1/2 OR STANDARD WITH MINIMUM CLIMB OF 210 FT PER NM TO 700, OR ALTERNATIVELY WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT/NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1300 FT PRIOR TO DEPARTURE END OF RUNWAY.

### (2) TEXTUAL DEPARTURE PROCEDURE:

RWY 8 - CLIMB HEADING 076.96 TO 800 BEFORE TURNING LEFT.

### (3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 8, SILO 590' FROM DER, 637' RIGHT OF CENTERLINE, 88' AGL/427' MSL. TREES BEGINNING 825' FROM DER, 41' RIGHT OF CENTERLINE, UP TO 100' AGL/425' MSL. TREES BEGINNING 1336' FROM DER, 281' LEFT OF CENTERLINE, UP TO 100' AGL/579' MSL.

NOTE: RWY 13, TREES BEGINNING 2322' FROM DER, 902' RIGHT OF CENTERLINE, UP TO 100' AGL/499' MSL. TREES BEGINNING 615' FROM DER, 328' LEFT OF CENTERLINE, UP TO 43' AGL/442' MSL.

NOTE: RWY 26, VEHICLES ON ROAD BEGINNING 269' FROM DER, 494' RIGHT OF CENTERLINE, UP TO 15' AGL/403' MSL. TREE 1257' FROM DER, 797' RIGHT OF CENTERLINE, 59' AGL/439' MSL.

### (4) CONTROLLING OBSTACLES:

RWY 8: 710 MSL ELEVATORS 400859.00N-0761506.00W, 579 MSL TREE 400813.65N-0761557.57W, 539 MSL TREE 400815.34N-0761543.77W.

RWY 31: 571 TREE 400812.90N-0761915.65W, 571 MSL TREE 400813.25N-0761919.70W.

(5) City, State <b>LANCASTER, PA</b>	(6) Airport <b>LANCASTER</b>	(7) Effective Date <b>17 DEC 2009</b>	(8) Amdt. No. <b>1</b>
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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION  
DEPARTURE PROCEDURE (CONTINUATION FAA FORM 8260-15A)  
FLIGHT STANDARDS SERVICE

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:

RWY 26 (CONT), TREES BEGINNING 1927' FROM DER, 915' LEFT OF CENTERLINE, UP TO 100' AGL/489' MSL.

NOTE: RWY 31, TREES BEGINNING 1334 FROM DER, 350' RIGHT OF CENTERLINE, UP TO 100' AGL/571' MSL. POLE 402' FROM DER, 221' LEFT OF CENTERLINE, 24' AGL/404' MSL.

BUILDING 527' FROM DER, 229' LEFT OF CENTERLINE, 29' AGL/409' MSL. TREES BEGINNING 956' FROM DER, 88' LEFT OF CENTERLINE, UP TO 100' AGL/489' MSL.

QUALITY  
CHECKED

City, State <b>LANCASTER, PA</b>		Airport <b>LANCASTER</b>			Effective Date <b>17 DEC 2009</b>	Amdt. No. <b>1</b>
DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date	

**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				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
				MAP: LRP VORTAC
				CLIMBING LEFT TURN TO 3000 VIA LRP VORTAC R-333 TO KUPPS INT/LRP 12.46 DME AND HOLD.
				ADDITIONAL FLIGHT DATA: HOLD NW, LT, 152.70 INBOUND. CHART FAS OBST: 891 TOWER 400258N/0762933W FAC CROSSES RWY C/L EXTENDED 3000 FROM THLD.

1. PT L SIDE OF COURSE 269.53 OUTBOUND 2900 FT WITHIN 10 MILES OF LRP VORTAC (IAF)  
 2. \_\_\_\_\_  
 3. FAC 089.53 FAF \_\_\_\_\_ DIST FAF TO MAP \_\_\_\_\_ THLD \_\_\_\_\_  
 4. MIN. ALT \_\_\_\_\_  
 8. MSA FROM: LRP VORTAC 060-240 2600, 240-060 3000

MAG VAR: 9W EPOCH YEAR: 1975

**MINIMUMS**

TAKEOFF:		STANDARD	X	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			
S-8	1400	1 1/4	1001	1400	1 1/2	1001	1400	3	1001	1400	3	1001						
CIRCLING	1400	1 1/4	997	1400	1 1/2	997	1400	3	997	1400	3	997						

**NOTES:**

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY.  
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HARRISBURG INTL ALTIMETER SETTING AND INCREASE ALL MDA 80FT.

@ CAT A, B 1000-2, CAT C, D 1000-3  
 @ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY  
9  
CHECKED

CITY AND STATE <b>LANCASTER, PA</b>	ELEVATION: 403 TDZE: 399	FACILITY IDENTIFIER: <b>LRP</b>	PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: <b>VOR RWY 8, AMDT 21</b>  <b>17 DEC 2009</b>	SUP
	AIRPORT NAME:  <b>LANCASTER</b>			AMD'T <b>20</b>
				DATE <b>03/15/2007</b>

**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				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: TOBUY/LRP 1.00 DME
LRP VORTAC	JONJR/LRP 11.00 DME	215.00 / 11.00	2500	CLIMB TO 1200 THEN CLIMBING LEFT TURN TO 3000 VIA LRP VORTAC R-333 TO KUPPS INT/LRP 12.46 DME AND HOLD.
JONJR/LRP 11.00 DME CW (IAF)	VADUC/LRP 11.00 DME	11.00 DME ARC	2500	
WILEN INT/LRP 11.00 DME CCW (IAF)	VADUC/LRP 11.00 DME	11.00 DME ARC	2500	
VADUC/LRP 11.00 DME (IF)	NUNCE/LRP 4.80 DME	089.53 / 6.20 (LRP R-270)	1800	ADDITIONAL FLIGHT DATA: HOLD NW, LT, 152.70 INBOUND. CHART FAS OBST: 565 TREE 400804N/0761823W CHART VDP AT 1.70 DME; DISTANCE VDP TO THLD 1.18 MILES. CHART LRP R-296 AT WILEN. CHART LRP R-215 AT JONJR. NUNCE TO RW08: 2.99/45. FAC CROSSES RWY C/L EXTENDED 3000 FROM THLD.

1. PT NA SIDE OF COURSE OUTBOUND        FT WITHIN        MILES OF        (IAF)  
 2. PROFILE STARTS AT VADUC/LRP 11.00 DME  
 3. FAC 089.53 FAF NUNCE/LRP 4.80 DME DIST FAF TO MAP        THLD 4.28  
 4. MIN. ALT VADUC 2500, NUNCE 1800  
 8. MSA FROM: LRP VORTAC 060-240 2600, 240-060 3000

MAG VAR: 9W EPOCH YEAR: 1975

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-8		820	1	421	820	1	421	820	1 1/4	421	820	1 1/4	421			
CIRCLING		940	1	537	940	1	537	940	1 1/2	537	1060	2	657			

NOTES:  
 CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY.  
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HARRISBURG INTL ALTIMETER SETTING AND INCREASE ALL MDA 80FT AND S-8 AND CIRCLING CATS C AND D VISIBILITY 1/4 MILE.  
 @ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY  
9  
CHECKED

CITY AND STATE LANCASTER, PA	ELEVATION: 403 TDZE: 399 AIRPORT NAME: LANCASTER	FACILITY IDENTIFIER: LRP	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME RWY 8, AMDT 6 17 DEC 2009	SUP AMDT 5 DATE 03/15/2007
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# 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				MISSED APPROACH															
FROM	TO	COURSE AND DISTANCE	ALTITUDE																
				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: _____																			
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: _____																			
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													
	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				
NOTES:																			
PROCEDURE CANCELED EFFECTIVE 17 DEC 2009																			
CITY AND STATE SELINGROVE, PA				ELEVATION: 450 TDZE: AIRPORT NAME: PENN VALLEY				FACILITY IDENTIFIER: RNAV				PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS)-B, ORIG-A, 04/10/2008				SUP: 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				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
WATSO (IAF)	EXLAV (FB)	255.84 / 6.20	3700	LNAV: RW17  CLIMB TO 4000 DIRECT GEPGE AND VIA TRACK 216.63 TO MORTO AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD S, LT, 021.22 INBOUND. CHART FAS OBST: 923 TREE 405303N/0765241W CHART 1119 TREE 405425N/0765536W AWYIR TO RW17: 3.05/40.
COVOB (IAF)	EXLAV (FB)	075.65 / 7.90	3700	
EXLAV (IF)	AWYIR (FB)	169.74 / 6.04	2200	

1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN        MILES OF        (IAF)
2. PROFILE STARTS AT EXLAV
3. FAC: 169.77 FAF: AWYIR DIST FAF TO MAP: 5.27 THLD: 5.27
4. MIN. ALT: EXLAV 3700, AWYIR 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: RW17 3700

MAG VAR: 11W EPOCH YEAR: 2000

MINIMUMS																
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A	FOR THIS AIRPORT	ALTERNATE: NA	@										
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	1340	1 1/4	884	1340	1 1/4	884		NA			NA					
CIRCLING	1400	1 1/4	950	1400	1 1/2	950		NA			NA					

NOTES:  
CHART NOTE: DME/DME RNP-0.3 NA.  
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.  
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WILLIAMSPORT ALTIMETER SETTING AND INCREASE ALL MDA 300 FEET AND LNAV CAT B VISIBILITY 1/4 MILE.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT WATSO VIA V232 EASTBOUND.

@ CAT A, B 1000-2  
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE <b>SELINGROVE, PA</b>	ELEVATION: 450 TDZE: 456 AIRPORT NAME: <b>PENN VALLEY</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 17, ORIG 17 DEC 2009</b>	SUP: AMDT: <b>NONE</b> DATED
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QUALITY  
CHECKED

**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 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)**

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KSEK6FR17	ACOV	010COV	OBK6EA0E	A	IF					18000		B JS	
SUSAP KSEK6FR17	ACOV	020EXL	AVK6EA0EE	B	010TF		07570079	+	03700			B JS	
SUSAP KSEK6FR17	AWAT	010WAT	SOK6EA0E	A	IF					18000		B JS	
SUSAP KSEK6FR17	AWAT	020EXL	AVK6EA0EE	B	010TF		25580062	+	03700			B JS	
SUSAP KSEK6FR17	R	010EXL	AVK6EA0E	I	IF			+	03700	18000		B JS	
SUSAP KSEK6FR17	R	020AWY	IRK6EA1E	F	051TF		16970060	+	02200		RW17	K6PGB JS	
SUSAP KSEK6FR17	R	020AWY	IRK6EA2WN			N	ALNAV					JS	
SUSAP KSEK6FR17	R	030RW17	K6PGOGY	M	031TF		16980053		00496		-305	B JS	
SUSAP KSEK6FR17	R	040GEP	CEK6EA0E	M	010DF							B JS	
SUSAP KSEK6FR17	R	050MORT	OK6EA0EY		010TF		2166	+	04000			B JS	
SUSAP KSEK6FR17	R	060MORT	OK6EA0EE		L020HM		02120040	+	04000			B JS	

[illegible][illegible]

QUALITY  
CHECKED

CITY AND STATE  
SELINGROVE, PA

ELEVATION: 450 TDZE: 456  
AIRPORT NAME:  
PENN VALLEY

FACILITY  
IDENTIFIER:  
**BNAV**

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
RNAV (GPS) RWY 17, ORIG  
17 DEC 2009

SUP: \_\_\_\_\_  
AMDT: **NONE**  
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 airport 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
	COVOB	COVOB	010	IAF	IF		FB				
	COVOB	EXLAV	020	IF	TF		FB	1.0	075.7 (065T)	007.9	03700
	WATSO	WATSO	010	IAF	IF		FB				
	WATSO	EXLAV	020	IF	TF		FB	1.0	255.8 (245T)	006.2	03700
		EXLAV	010	FACF	IF		FB				03700
		AWYIR	020	FAP	TF		FB	0.5	169.7 (159T)	006.0	02200
		RW17	030	MAP	TF		FO	0.3	169.8 (159T)	005.3	00496

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	GEPGE	040		DF		FB	1.0			
	MORTO	050		TF		FO	1.0	216.6 (206T)		04000
	MORTO	060		HM	L	FO	2.0	021.2 (010T)	004.0	04000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AWYIR	N405429.92	W0765431.29	N4054.499	W07654.522
	COVOB	N405645.21	W0770650.28	N4056.754	W07706.838
	EXLAV	N410007.90	W0765724.59	N4100.132	W07657.410
	GEPGE	N404646.87	W0765034.71	N4046.781	W07650.579
	MORTO	N403548.70	W0765728.92	N4035.812	W07657.482
	WATSO	N410246.31	W0765000.10	N4102.772	W07650.002
	RW17	N404934.80	W0765200.39	N4049.580	W07652.007

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW17	00456	40

QUALITY  
CHECKED

CITY AND STATE <b>SELINGROVE, PA</b>	ELEVATION: 450 TDZE: 456 AIRPORT NAME: <b>PENN VALLEY</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 17, ORIG</b> <b>17 DEC 2009</b>	SUP:
				AMDT: <b>NONE</b>
				DATED:

## 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 17: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 1500 OR 1500-2 1/2 FOR CLIMB IN VISUAL CONDITIONS.**

**RWY 35: 500-2 WITH MINIMUM CLIMB OF 500' PER NM TO 1300 OR 1500-2 1/2 FOR CLIMB IN VISUAL CONDITIONS.**

### **(2) TEXTUAL DEPARTURE PROCEDURE:**

**RWY 17: CLIMBING RIGHT TURN DIRECT SEG VORTAC BEFORE PROCEEDING ON COURSE. DO NOT EXCEED 180 KIAS UNTIL SEG VORTAC, OR FOR CLIMB IN VISUAL CONDITIONS, CROSS PENN VALLEY AIRPORT AT OR ABOVE 1800 BEFORE PROCEEDING ON COURSE.**

**RWY 35: CLIMB HEADING 350 TO 1900 BEFORE PROCEEDING ON COURSE, OR FOR CLIMB IN VISUAL CONDITIONS, CROSS PENN VALLEY AIRPORT AT OR ABOVE 1800 BEFORE PROCEEDING ON COURSE.**

### **(3) TAKEOFF OBSTACLE NOTES:**

**NOTE: RWY 17, TREES BEGINNING 1.8 NM FROM DER, 1068' LEFT OF CENTERLINE, UP TO 100' AGL/919' MSL. TREES BEGINNING 29' FROM DER, 151' LEFT OF CENTERLINE, UP TO 100' AGL/559' MSL, POLE 2520' FROM DER, 84' RIGHT OF CENTERLINE, 58' AGL/508' MSL.**

**NOTE: RWY 35, TREES BEGINNING 273' FROM DER, 75' LEFT OF CENTERLINE, UP TO 100' AGL/539' MSL. TREES BEGINNING 1947' FROM DER, 624' RIGHT OF CENTERLINE, UP TO 100' AGL/899' MSL.**

### **(4) CONTROLLING OBSTACLES:**

**RWY 17: 1739' MSL AAO 404510.53N/0764859.52W.**

**RWY 35: 1039' MSL AAO 405257.09N/0765253.38W, 1759' MSL TOWER 405632.30N/0764903.87W, 899' MSL TREE 405028.84N/0765212.50W.**

**VCOA: 1040' MSL TOWER 404905.00N/0765322.00W, 1739' MSL AAO 404510.53N/0764859.52W.**

QUALITY  
9  
CHECKED

(5) City, State <b>SELINGROVE, PA</b>	(6) Airport <b>PENN VALLEY</b>	(7) Effective Date <b>17 DEC 2009</b>	(8) Amdt. No. <b>3</b>
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**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: 1.77 MILES AFTER VORTAC OR AT SEG 1.77 DME FIX**

**CLIMBING LEFT TURN TO 3400 DIRECT SEG VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3400.**

**ADDITIONAL FLIGHT DATA:**

**HOLD SW, RT, 034.39 INBOUND.  
 CHART FAS OBST: 1040 CELL-TOWER  
 404905N/0765322W**

1. PT L SIDE OF COURSE 214.39 OUTBOUND 3400 FT WITHIN 10 MILES OF SEG VORTAC (IAF)  
 2.    
 3. FAC 034.39 FAF SEG VORTAC DIST FAF TO MAP 1.77 THLD    
 4. MIN. ALT 10 NM 1900  
 8. MSA FROM: SEG VORTAC 030-210 3200, 210-030 3700

MAG VAR: 8W

EPOCH YEAR: 1965

**MINIMUMS**

TAKEOFF:		STANDARD	X	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	
CIRCLING	1400	1 1/4	950	1400	1 1/4	950		NA			NA					

**NOTES:**

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WILLIAMSPORT ALTIMETER SETTING AND INCREASE ALL MDA 300 FEET AND CIRCLING CAT B VISIBILITY 1/4 MILE.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT SEG VORTAC ON V106 EASTBOUND.

@ CAT A, B 1000-2

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.



CITY AND STATE SELINGROVE, PA	ELEVATION: 450 TDZE: AIRPORT NAME:  PENN VALLEY	FACILITY IDENTIFIER: SEG	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR-A, AMDT 7  17 DEC 2009	SUP AMDT 6A DATE 06/05/2008
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<b>U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION</b> <b>NDB STANDARD INSTRUMENT APPROACH PROCEDURE</b> <b>FLIGHT STANDARDS SERVICE - FAR PART 97.27</b>										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.											
<b>TERMINAL ROUTES</b>										<b>MISSED APPROACH</b>											
FROM			TO			COURSE AND DISTANCE				ALTITUDE		MAP: LKR NDB									
RICHE INT CTF VOR/DME			LKR NDB			084.34 / 6.62				2500		CLIMB TO 2500 THEN RIGHT TURN DIRECT LKR NDB AND HOLD.									
			LKR NDB			281.68 / 29.23				2500											
ADDITIONAL FLIGHT DATA: HOLD E, RT, 250.68 INBOUND. CHART FAS OBST: 791 TOWER 344510N/0804402W CHART GAMECOCK I MOA. FAC CROSSES RWY C/L EXTENDED 3000 FROM THLD.																					
1. PT <u>L</u> SIDE OF COURSE <u>070.68</u> OUTBOUND <u>2500</u> FT WITHIN <u>10</u> MILES OF <u>LKR NDB</u> (IAF) 2. _____ 3. FAC <u>250.68</u> FAF _____ DIST FAF TO MAP _____ THLD _____ 4. MIN. ALT _____ 8. MSA FROM: <u>LKR NDB 2300</u>										MAG VAR: <u>7W</u> EPOCH YEAR: <u>2000</u>											
<b>MINIMUMS</b>																					
TAKEOFF:		STANDARD		<input checked="" type="checkbox"/>		SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A		<input checked="" type="checkbox"/>							
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-24		1160	1	674	1160	1	674	1160	2	674	1160	2 1/4	674								
CIRCLING		1160	1	674	1160	1	674	1160	2	674	1160	2 1/4	674								
NOTES: CHART NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 24 PROCEDURE NA AT NIGHT. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ROCK HILL ALTIMETER SETTING AND INCREASE ALL MDA 80 FT, AND INCREASE S-24 CATS B, C, AND D AND CIRCLING CATS B, C, AND D SEE 8260-10																					
CITY AND STATE LANCASTER, SC				ELEVATION: 486 TDZE: 486 AIRPORT NAME: LANCASTER COUNTY-MC WHIRTER FIELD				FACILITY IDENTIFIER: LKR				PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 24, AMDT 5 17 DEC 2009				SUP AMDT 4 DATE 01/18/2007					



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.

NOTES CONT.

VISIBILITY 1/4 MILE.

QUALITY  
2  
CHECKEDCITY AND STATE  
LANCASTER, SCELEVATION: 486 TDZE: 486  
AIRPORT NAME:  
LANCASTER COUNTY-MC WHIRTER FIELDFACILITY  
IDENTIFIER:  
LKRPROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
NDB RWY 24, AMDT 5  
17 DEC 2009SUP:  
AMDT: 4  
DATED: 01/18/2007

<b>US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION</b>		<b>RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33</b>		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.													
<b>TERMINAL ROUTES</b>												<b>MISSED APPROACH</b>					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW06  CLIMB TO 2500 DIRECT SAPSE AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD NE, RT, 245.63 INBOUND. CHART FAS OBST: 750 TOWER 344301N/0805407W CHART FAS OBST: 640 TANK 344213N/0805222W CHART 694 ELEVATOR 344110N/0805653W. CHART GAMECOCK 1 MOA. DISTANCE TO THLD FROM 200 HAT: 0.51 NM. CHART VDP AT 1.36 MILES TO RW06* *LNAV ONLY. WAAS CHANNEL # 86816 REFERENCE PATH ID: W06A							
LOCKS		NOKNE (FB)		153.64 / 16.79				2500									
GREAT		MITVE (FB)		011.10 / 5.65				2500									
NOKNE (IAF)		CORON (NOPT) (FB)		155.43 / 5.00				2200									
MITVE (IAF)		CORON (NOPT) (FB)		335.49 / 5.00				2200									
CORON (IF/IAF)		LAPRE (FB)		065.40 / 6.10				2100									
1. PT <u>      </u> SIDE OF COURSE <u>      </u> OUTBOUND <u>      </u> FT WITHIN <u>      </u> MILES OF <u>      </u> (IAF) 2. HOLD SW CORON, RT, 065.40 INBOUND, 2200 FT. IN LIEU OF PT (IAF) 3. FAC: <u>065.46</u> FAF: <u>LAPRE</u> DIST FAF TO MAP: <u>4.94</u> THLD: <u>4.94</u> 4. MIN. ALT: <u>CORON 2200, LAPRE 2100</u> 5. DIST TO THLD FROM OM: <u>      </u> MM: <u>      </u> IM: <u>      </u> 150 HAT: <u>      </u> 100 HAT: <u>      </u> GS ANT: <u>      </u> 6. MIN GS INCPT: <u>2100</u> GS ALT AT: <u>LAPRE</u> OM: <u>      </u> MM: <u>      </u> IM: <u>      </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>47.1</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW06 2300</u>												MAG VAR: 7W      EPOCH YEAR: 2000					
<b>MINIMUMS</b>																	
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	670	3/4	200	670	3/4	200	670	3/4	200	670	3/4	200					
LNAV/VNAV DA	993	2	523	993	2	523	993	2	523	993	2	523					
LNAV MDA	940	1	470	940	1	470	940	1 1/4	470	940	1 1/2	470					
CIRCLING	1040	1	554	1040	1	554	1060	1 1/2	574	1080	2	594					
NOTES: CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 24 NA AT NIGHT. CHART NOTE: BARO-VNAV NA WHEN USING ROCK HILL 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. SEE 8260-10																	
CITY AND STATE  LANCASTER, SC				ELEVATION: 486 TDZE: 470 AIRPORT NAME: LANCASTER COUNTY-MC WHIRTER FIELD				FACILITY IDENTIFIER: RNAV				PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 6, AMDT 1  17 DEC 2009				SUP:	
																AMDT: ORIG	
																DATED 08/08/2005	

QUALITY  
2  
CHECKED

**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.

**NOTES CONT.****\*LNAV ONLY**

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ROCK HILL ALTIMETER SETTING AND INCREASE LPV DA 69 FEET, LNAV/VNAV DA 98 FEET AND ALL MDA 80 FEET, AND INCREASE LPV, LNAV/VNAV ALL CATS, LNAV AND CIRCLING CATS C AND D VISIBILITIES 1/4 MILE.

CHART NOTE: VDP NA WHEN USING ROCK HILL ALTIMETER SETTING.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT GREAT VIA V37 SOUTHBOUND.

QUALITY  
2  
CHECKED

CITY AND STATE

LANCASTER, SC

ELEVATION: 486 TDZE: 470

AIRPORT NAME:

LANCASTER COUNTY-MC WHIRTER FIELD

FACILITY  
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 6, AMDT 1

17 DEC 2009

SUP:

AMDT: ORIG

DATED: 08/08/2005

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 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 KLKR  
RUNWAY RW06  
APPROACH PERFORMANCE DESIGNATOR 0  
ROUTE INDICATOR  
REFERENCE PATH DATA SELECTOR 0  
REFERENCE PATH IDENTIFIER (APPROACH ID) W06A  
LTP/FTP LATITUDE 344307.4920N  
LTP/FTP LONGITUDE 0805146.1150W  
LTP/FTP ELLIPSOIDAL HEIGHT +01097  
FPAP LATITUDE 344354.1000N  
FPAP LONGITUDE 0805013.9400W  
THRESHOLD CROSSING HEIGHT (TCH) 00047.1  
TCH UNITS SELECTOR (METERS OR FEET USED) F  
GLIDEPATH ANGLE (GPA) 03.00  
COURSE WIDTH AT THRESHOLD 106.75  
LENGTH OFFSET 0952  
HORIZONTAL ALERT LIMIT (HAL) 40.0  
VERTICAL ALERT LIMIT (VAL) 35.0

CRC REMAINDER

DCA98EEE

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K7  
LTP ORTHOMETRIC HEIGHT +01401  
FPAP ORTHOMETRIC HEIGHT +01401

QUALITY  
2  
CHECKED

CITY AND STATE LANCASTER, SC	ELEVATION: 486 TDZE: 470 AIRPORT NAME: LANCASTER COUNTY-MC WHIRTER FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 6, AMDT 1 17 DEC 2009	SUP:
				AMDT: ORIG
				DATED: 08/08/2005



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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KLKRK7FR06	ACORON	010CORONK7EA0EE	AR	HF		06540040	+	02200	18000		A	JS
SUSAP	KLKRK7FR06	AGREAT	010GREATK7EA0E		IF					18000		A	JS
SUSAP	KLKRK7FR06	AGREAT	020MITVEK7EA0E	A	020TF		01110057	+	02500			A	JS
SUSAP	KLKRK7FR06	AGREAT	030CORONK7EA0EE		010TF		33550050	+	02200			A	JS
SUSAP	KLKRK7FR06	ALOCKS	010LOCKSK7EA0E		IF					18000		A	JS
SUSAP	KLKRK7FR06	ALOCKS	020NOKNEK7EA0E	A	020TF		15360168	+	02500			A	JS
SUSAP	KLKRK7FR06	ALOCKS	030CORONK7EA0EE		010TF		15540050	+	02200			A	JS
SUSAP	KLKRK7FR06	R	010CORONK7EA0E	I	IF			+	02200	18000		A	JS
SUSAP	KLKRK7FR06	R	020LAPREK7EA1E	F	051TF		06540061	+	02100		RW06	K7PGA	JS
SUSAP	KLKRK7FR06	R	020LAPREK7EA2WALPV			ALNAV/VNAV	ALNAV						JS
SUSAP	KLKRK7FR06	R	030RW06	K7PGOGY	M	031TF	06550049		00507	-300		A	JS
SUSAP	KLKRK7FR06	R	040SAPSEK7EA0EYM		010DF			+	02500			A	JS
SUSAP	KLKRK7FR06	R	050SAPSEK7EA0EE		R020HM		24560040	+	02500			A	JS

[illegible]

QUALITY  
CHECKED

CITY AND STATE  LANCASTER, SC	ELEVATION: 486 TDZE: 470  AIRPORT NAME:  LANCASTER COUNTY-MC WHIRTER FIELD	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:  RNAV (GPS) RWY 6, AMDT 1  17 DEC 2009	SUP:	
				AMDT:	ORIG
				DATED:	08/08/2005

**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 airport 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	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	-----												
	SUSAP KLKRK7PR06	RW06 001	0000W06A0N3443074920W08051461150+010970300N3443541000W08050139400106750952000471F400350DCA98EEE										
	SUSAP KLKRK7PR06	RW06 002E	+01401+01401LPV	86816									
MSA	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	-----												
	SUSAP KLKRK7SRW06 K7PG	0	18018002325									M	

QUALITY  
CHECKED

CITY AND STATE LANCASTER, SC	ELEVATION: 486 TDZE: 470	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 6, AMDT 1  17 DEC 2009	SUP:
	AIRPORT NAME: LANCASTER COUNTY-MC WHIRTER FIELD			AMDT: ORIG
				DATED: 08/08/2005

**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 airport 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
	CORON	CORON	010	IAF	HF	R	FO		065.4 (058T)	004.0	02200
	GREAT	GREAT	010		IF		FB				
	GREAT	MITVE	020	IAF	TF		FB	2.0	011.1 (004T)	005.7	02500
	GREAT	CORON	030		TF		FB	1.0	335.5 (329T)	005.0	02200
	LOCKS	LOCKS	010		IF		FB				
	LOCKS	NOKNE	020	IAF	TF		FB	2.0	153.6 (147T)	016.8	02500
	LOCKS	CORON	030		TF		FB	1.0	155.4 (148T)	005.0	02200
		CORON	010	FACF	IF		FB				02200
		LAPRE	020	FAF	TF		FB	0.5	065.4 (058T)	006.1	02100
		RW06	030	MAP	TF		FO	0.3	065.5 (059T)	004.9	00507

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	SAPSE	040		DF		FO	1.0			02500
	SAPSE	050		HM	R	FO	2.0	245.6 (239T)	004.0	02500

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CORON	N343720.37	W0810310.55	N3437.340	W08103.176
	GREAT	N342725.57	W0810029.88	N3427.426	W08100.498
	LAPRE	N344032.45	W0805652.28	N3440.541	W08056.871
	LOCKS	N345539.79	W0811732.69	N3455.663	W08117.545
	MITVE	N343304.22	W0810000.56	N3433.070	W08100.009
	NOKNE	N344136.44	W0810620.86	N3441.607	W08106.348
	SAPSE	N344921.71	W0803924.05	N3449.362	W08039.401
	RW06	N344307.49	W0805146.12	N3443.125	W08051.769

RUNWAY DATA	THRESHOLD	
RWY	ELEVATION	TCH
RW06	00460	47

FILE  
CHECKED

CITY AND STATE <b>LANCASTER, SC</b>	ELEVATION: 486 TDZE: 470	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 6, AMDT 1</b> <b>17 DEC 2009</b>	SUP:
	AIRPORT NAME: <b>LANCASTER COUNTY-MC WHIRTER FIELD</b>			AMDT: <b>ORIG</b>
				DATED: <b>08/08/2005</b>

**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.

**NOTES CONT.****CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.****CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ROCK HILL ALTIMETER SETTING AND INCREASE ALL DA 69 FEET AND ALL MDA 80 FEET, AND INCREASE LNAV/VNAV ALL CATS, LNAV CATS C AND D AND CIRCLING CATS C AND D VISIBILITY 1/4 MILE.****CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HUSTN VIA T201 AND T202 NORTHEAST BOUND, AND FOR ARRIVALS AT CTF VOR/DME VIA V155 NORTHEAST BOUND.**

QUALITY  
2  
CHECKED

CITY AND STATE LANCASTER, SC	ELEVATION: 486 TDZE: 486 AIRPORT NAME: LANCASTER COUNTY-MC WHIRTER FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 24, AMDT 1 17 DEC 2009	SUP:
				AMDT: ORIG
				DATED: 08/08/2002

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 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 KLKR  
RUNWAY RW24  
APPROACH PERFORMANCE DESIGNATOR 0  
ROUTE INDICATOR  
REFERENCE PATH DATA SELECTOR 0  
REFERENCE PATH IDENTIFIER (APPROACH ID) W24A  
LTP/FTP LATITUDE 344337.9620N  
LTP/FTP LONGITUDE 0805045.8575W  
LTP/FTP ELLIPSOIDAL HEIGHT +01176  
FPAP LATITUDE 344251.3400N  
FPAP LONGITUDE 0805218.0300W  
THRESHOLD CROSSING HEIGHT (TCH) 00042.6  
TCH UNITS SELECTOR (METERS OR FEET USED) F  
GLIDEPATH ANGLE (GPA) 03.00  
COURSE WIDTH AT THRESHOLD 106.75  
LENGTH OFFSET 0920  
HORIZONTAL ALERT LIMIT (HAL) 40.0  
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

AD5D5A2C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K7  
LTP ORTHOMETRIC HEIGHT +01480  
FPAP ORTHOMETRIC HEIGHT +01480

QUALITY  
2  
CHECKED

CITY AND STATE  
LANCASTER, SC

ELEVATION: 486 TDZE: 486  
AIRPORT NAME:  
LANCASTER COUNTY-MC WHIRTER FIELD

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
RNAV (GPS) RWY 24, AMDT 1  
17 DEC 2009

SUP:  
AMDT: ORIG  
DATED: 08/08/2002

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.

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KLKRK7FR24	ACTF	010CTF	K7D	0V	IF					18000			A JS
SUSAP KLKRK7FR24	ACTF	020LIGLEK7EA0E	A	020TF		29750174		+ 02500					A JS
SUSAP KLKRK7FR24	ACTF	030SAPSEK7EA0EE		010TF		33560050		+ 02500					A JS
SUSAP KLKRK7FR24	AHUSTN	010HUSTNK7EA0E	A	IF						18000			A JS
SUSAP KLKRK7FR24	AHUSTN	020SAPSEK7EA0EE		010TF		23350058		+ 02500					A JS
SUSAP KLKRK7FR24	ASAPSE	010SAPSEK7EA0EE	AR	HF		24560040		+ 02500		18000			A JS
SUSAP KLKRK7FR24	R	010SAPSEK7EA0E	I	IF				+ 02500		18000			A JS
SUSAP KLKRK7FR24	R	020WITURK7EA1E	F	051TF		24560061		+ 02100			RW24	K7PGA	JS
SUSAP KLKRK7FR24	R	020WITURK7EA2WALPV			ALNAV/VNAV	ALNAV							JS
SUSAP KLKRK7FR24	R	030RW24	K7PGOGY	M	031TF		24560049		00528		-300		A JS
SUSAP KLKRK7FR24	R	040CORONK7EA0EYM		010DF				+ 02200					A JS
SUSAP KLKRK7FR24	R	050CORONK7EA0EE		R020HM		06540040		+ 02200					A JS

[illegible]

QUALITY  
CHECKED

CITY AND STATE  LANCASTER, SC	ELEVATION: 486      TDZE: 486  AIRPORT NAME:  LANCASTER COUNTY-MC WHIRTER FIELD	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:  RNAV (GPS) RWY 24, AMDT 1  17 DEC 2009	SUP:
				AMDT:      ORIG
				DATED:      08/08/2002

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

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	1	2	3	4	5	6	7	8	9	0	1	2	3
PP	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
-----													
SUSAP KLKRK7PR24	RW24	001	0000W24A0N3443379620W08050458575+011760300N3442513400W08052180300106750920000426F400500AD5D5A2C										
SUSAP KLKRK7PR24	RW24	002E	+01480+01480LPV 70416										
-----													
	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
-----													
SUSAP KLKRK7SRW24 K7PG		0	18018002325									M	

QUALITY  
1  
CHECKED

CITY AND STATE  
LANCASTER, SC

ELEVATION: 486 TDZE: 486  
 AIRPORT NAME:  
 LANCASTER COUNTY-MC WHIRTER FIELD

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
 RNAV (GPS) RWY 24, AMDT 1  
 17 DEC 2009

SUP:  
 AMDT: ORIG  
 DATED: 08/08/2002

**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 airport 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
	CTF	CTF	010		IF		FB				
	CTF	LIGLE	020	IAF	TF		FB	2.0	297.5 (291T)	017.4	02500
	CTF	SAPSE	030		TF		FB	1.0	335.6 (329T)	005.0	02500
	HUSTN	HUSTN	010	IAF	IF		FB				
	HUSTN	SAPSE	020		TF		FB	1.0	233.5 (227T)	005.8	02500
	SAPSE	SAPSE	010	IAF	HF	R	FO		245.6 (239T)	004.0	02500
		SAPSE	010	PACF	IF		FB				02500
		WITUR	020	PAF	TF		FB	0.5	245.6 (239T)	006.1	02100
		RW24	030	MAP	TF		FO	0.3	245.6 (239T)	004.9	00528

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CORON	040		DF		FO	1.0			02200
	CORON	050		HM	R	FO	2.0	065.4 (058T)	004.0	02200

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CTF	N343901.66	W0801629.74	N3439.028	W08016.496
	CORON	N343720.37	W0810310.55	N3437.340	W08103.176
	HUSTN	N345319.79	W0803419.56	N3453.330	W08034.326
	LIGLE	N344505.40	W0803613.93	N3445.090	W08036.232
	SAPSE	N344921.71	W0803924.05	N3449.362	W08039.401
	WITUR	N344610.68	W0804543.40	N3446.178	W08045.723
	RW24	N344337.96	W0805045.86	N3443.633	W08050.764

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW24	00486	43

QUALITY  
1  
CHECKED

CITY AND STATE <b>LANCASTER, SC</b>	ELEVATION: 486    TDZE: 486	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 24, AMDT 1 17 DEC 2009</b>	SUP:
	AIRPORT NAME: <b>LANCASTER COUNTY-MC WHIRTER FIELD</b>			AMDT: <b>ORIG</b>
				DATED: <b>08/08/2002</b>



## 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 6, 24 STANDARD.**

**(2) TEXTUAL DEPARTURE PROCEDURE:**

**(3) TAKEOFF OBSTACLE NOTES:**

**NOTE: RWY 6, TREES BEGINNING 176' FROM DER, 394' LEFT OF CENTERLINE, UP TO 26' AGL/526' MSL. VEHICLES ON ROADWAY 322' FROM DER, 401' RIGHT OF CENTERLINE, UP TO 15' AGL/517' MSL. TREES BEGINNING 4704' FROM DER, 1425' LEFT OF CENTERLINE, UP TO 80' AGL/630' MSL.**

**NOTE: RWY 24, TREES BEGINNING 73' FROM DER, 492' LEFT OF CENTERLINE, UP TO 27' AGL/467' MSL.**

**(4) CONTROLLING OBSTACLES:**

(5) City, State

**LANCASTER, SC**

(6) Airport

**LANCASTER-McWHIRTER FIELD**

(7) Effective Date

**17 DEC 2009**

(8) Amnd. No.

**1**



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.

1. PT	NA	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. PROFILE STARTS AT OCERU/CLT 18.00 DME						
3. FAC	175.00	FAF TOCPO/CLT 24.00 DME	DIST FAF TO MAP		THLD	
4. MIN. ALT OCERU 3200, TOCPO 2300						
8. MSA FROM: CLT VOR/DME 090-270 3100, 270-090 3800 (29 NM)						

MAG VAR: 5W

EPOCH YEAR: 1985

NOTES:

CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 24 NA AT NIGHT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ROCK HILL ALTIMETER SETTING.

@ CAT A, B 900-2, CAT C 900-2 1/2, CAT D 900-2 3/4

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY  
2  
CHECKED

FAA FORM 8260-5 / December 2002 (computer generated) PAGE 1 OF 1 PAGES

## 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:**

**RWY 5 - CLIMB HEADING 047.89 TO 2300 THEN CLIMBING RIGHT TURN VIA HEADING 120.00 TO 3400 TO INTERCEPT V20-35.**

**RWY 23 - CLIMB HEADING 227.90 TO 2200 THEN CLIMBING LEFT TURN VIA HEADING 120.00 TO 3400 TO INTERCEPT V20-35.**

**(3) TAKEOFF OBSTACLE NOTES:**

**NOTE: RWY 5, TREE 30' FROM DER, 299' LEFT OF CENTERLINE, 9' AGL/1022' MSL. VEHICLES ON ROADWAY, 424' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 15' AGL/1028' MSL. TREES BEGINNING 1531' FROM DER, 691' LEFT OF CENTERLINE, UP TO 107' AGL/1038' MSL. TREE 3019' FROM DER, 450' RIGHT OF CENTERLINE, 120' AGL/1095' MSL.**

**NOTE: RWY 23, TREE 906' FROM DER, 269' LEFT OF CENTERLINE, 91' AGL/990' MSL. TREES BEGINNING 1015' FROM DER, 466' RIGHT OF CENTERLINE, UP TO 106' AGL/1022' MSL.**

**(4) CONTROLLING OBSTACLES:**

**RWY 5, 23: 5049 MSL TOWER 351056.00N-0824055.00W**



(5) City, State

**PICKENS, SC**

(6) Airport

**PICKENS COUNTY**

(7) Effective Date

**17 DEC 2009**

(8) Amdt. No.

**ORIG**

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

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
				ADDITIONAL FLIGHT DATA:

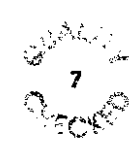
1. PT \_\_\_\_\_ SIDE OF COURSE \_\_\_\_\_ OUTBOUND \_\_\_\_\_ FT WITHIN \_\_\_\_\_ MILES OF \_\_\_\_\_ (IAF)  
 2. \_\_\_\_\_  
 3. FAC \_\_\_\_\_ FAF \_\_\_\_\_ DIST FAF TO MAP \_\_\_\_\_ THLD \_\_\_\_\_  
 4. MIN. ALT \_\_\_\_\_  
 8. MSA FROM: \_\_\_\_\_

MAG VAR: \_\_\_\_\_ EPOCH YEAR: \_\_\_\_\_

TAKEOFF:	<input type="checkbox"/> 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 17 DEC 2009



CITY AND STATE BEAUMONT/PORT ARTHUR, TX	ELEVATION: 15 TDZE: 15 AIRPORT NAME:  SOUTHEAST TEXAS REGIONAL	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 12, ORIG-A, 09/03/2003	SUP AMDT    ORIG DATE    11/04/1999
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**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**  
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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	

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:	<input type="checkbox"/> 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 17 DEC 2009



CITY AND STATE BEAUMONT/PORT ARTHUR, TX	ELEVATION: 15 TDZE: 15 AIRPORT NAME:  SOUTHEAST TEXAS REGIONAL	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 16, ORIG-A, 11/04/1999	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td colspan="2">SUP</td></tr> <tr><td>AMDT</td><td>ORIG</td></tr> <tr><td>DATE</td><td>09/22/2003</td></tr> </table>	SUP		AMDT	ORIG	DATE	09/22/2003
SUP										
AMDT	ORIG									
DATE	09/22/2003									

<b>U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION</b> <b>GPS STANDARD INSTRUMENT APPROACH PROCEDURE</b> <b>FLIGHT STANDARDS SERVICE - FAR PART 97.33</b>								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.																																																																																																																																							
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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: _____																																																																																																																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>TAKEOFF:</td> <td>STANDARD</td> <td colspan="6">SEE FAA FORM 8260-15A FOR THIS AIRPORT</td> <td colspan="2">ALTERNATE: N A</td> <td colspan="6"></td> </tr> <tr> <td>CATEGORY &lt;=====&gt;</td> <td colspan="3" style="text-align: center;"><b>A</b></td> <td colspan="3" style="text-align: center;"><b>B</b></td> <td colspan="3" style="text-align: center;"><b>C</b></td> <td colspan="3" style="text-align: center;"><b>D</b></td> <td colspan="3" style="text-align: center;"><b>E</b></td> </tr> <tr> <td></td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> </tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>																TAKEOFF:	STANDARD	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A								CATEGORY <=====>	<b>A</b>			<b>B</b>			<b>C</b>			<b>D</b>			<b>E</b>				MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA																																																																																
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CITY AND STATE BEAUMONT/PORT ARTHUR, TX				ELEVATION: 15 TDZE: 12 AIRPORT NAME: SOUTHEAST TEXAS REGIONAL				FACILITY IDENTIFIER: GPS		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 30, ORIG, 11/04/1999				SUP AMDT NONE DATE																																																																																																																																	

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

**MISSED APPROACH**

FROM	TO	COURSE AND DISTANCE	ALTITUDE

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 17 DEC 2009

CITY AND STATE BEAUMONT/PORT ARTHUR, TX	ELEVATION: 15 TDZE: 15 AIRPORT NAME: SOUTHEAST TEXAS REGIONAL	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 34, ORIG-C, 01/13/2006	SUP AMDT DATE
				ORIG-B 04/20/2000

US DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
EXWOB (IAF)	GIDDY (FB)	025.82 / 6.00	2000	LPV: DA LNAV/VNAV: DA LNAV: RW12  CLIMB TO 3000 DIRECT MARSA AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD SE, RT, 295.96 INBOUND. CHART FAS OBST: 82 TREE 295745N/0940141W CHART FAS OBST: 158 TOWER 295816N/0940322W CHART 500 TOWER 300007N/0940538W DISTANCE TO THLD FROM 200 HAT: 0.46 NM. CHART VDP AT 1.23 MILES TO RW12* *LNAV ONLY. WAAS CHANNEL #99715 REFERENCE PATH ID: W12A
CUBDI (IAF)	GIDDY (FB)	205.88 / 6.00	2000	
GIDDY (IF)	KAZOO (FB)	115.85 / 7.56	1700	

- PT NA SIDE OF COURSE OUTBOUND        FT WITHIN        MILES OF        (IAF)
- PROFILE STARTS AT GIDDY
- FAC: 115.91 FAF: KAZOO DIST FAF TO MAP: 5.06 THLD: 5.06
- MIN. ALT: GIDDY 2000, KAZOO 1700, COUGS/2.40 NM TO RW12 820\*
- DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
- MIN GS INCPT: 1700 GS ALT AT: KAZOO OM:        MM:        IM:
- GS ANGLE: 3.00 TCH: 52.0 34:1 IS CLEAR
- MSA FROM: RW12 3100

MAG VAR: 5E 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		215	2400	200	215	2400	200	215	2400	200	215	2400	200	215	2400	200
LNAV/VNAV DA		375	4000	360	375	4000	360	375	4000	360	375	4000	360	375	4000	360
LNAV MDA		460	2400	445	460	2400	445	460	4000	445	460	5000	445	460	5000	445
CIRCLING		480	1	465	480	1	465	480	1 1/2	465	580	2	565	820	2 3/4	805

**NOTES:**

CHART NOTE: BARO-VNAV NA WHEN USING ORANGE COUNTY ALTIMETER SETTING.

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 49C (120F).

CHART NOTE: DME/DME RNP-0.3 NA.

CHART PLANVIEW NOTE: RADAR REQUIRED.

SEE 8260-10

@ CAT E 900-2 3/4

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE <b>BEAUMONT/PORT ARTHUR, TX</b>	ELEVATION: 15 TDZE: 15 AIRPORT NAME: <b>SOUTHEAST TEXAS RGNL</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 12, ORIG 17 DEC 2009</b>	SUP: AMD'T: <b>NONE</b> DATED
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**RNAV (GPS) - STANDARD  
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## NOTES CONT.

## \*RNAV ONLY

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ORANGE COUNTY ALTIMETER SETTING AND INCREASE ALL DA 32 FEET AND ALL MDA 40 FEET, INCREASE RNAV/VNAV CAT E, RNAV CAT E AND CIRCLING CAT E VISIBILITY 1/4 MILE.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LPV CAT E VISIBILITY TO RVR 4000, RNAV/VNAV CAT E TO RVR 6000, AND RNAV CAT E TO 1 1/2 MILES.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING ORANGE COUNTY ALTIMETER SETTING, INCREASE LPV CAT E VISIBILITY TO RVR 4000, RNAV/VNAV CAT E TO 1 1/2 MILES, AND RNAV CAT E TO 1 3/4 MILES.

CHART NOTE: VDP NA WHEN USING ORANGE COUNTY ALTIMETER SETTING.

QUALITY  
CHECKED

CITY AND STATE

BEAUMONT/PORT ARTHUR, TX

ELEVATION: 15 TDZE: 15

AIRPORT NAME:

SOUTHEAST TEXAS RGNL

FACILITY  
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 12, ORIG

17 DEC 2009

SUP:

AMDT: NONE

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION  
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE  
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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0  
SBAS SERVICE PROVIDER IDENTIFIER 0  
AIRPORT IDENTIFIER KBPT  
RUNWAY RW12  
APPROACH PERFORMANCE DESIGNATOR 0  
ROUTE INDICATOR 0  
REFERENCE PATH DATA SELECTOR 0  
REFERENCE PATH IDENTIFIER (APPROACH ID) W12A  
LTP/FTP LATITUDE 295719.1145N  
LTP/FTP LONGITUDE 0940140.0705W  
LTP/FTP ELLIPSOIDAL HEIGHT -00227  
FPAP LATITUDE 295644.7400N  
FPAP LONGITUDE 0940034.2700W  
THRESHOLD CROSSING HEIGHT (TCH) 00052.0  
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

AF4703D9

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K4  
LTP ORTHOMETRIC HEIGHT +00046  
FPAP ORTHOMETRIC HEIGHT +00046

CITY AND STATE

BEAUMONT/PORT ARTHUR, TX

ELEVATION: 15

TDZE: 15

AIRPORT NAME:

SOUTHEAST TEXAS RGNL

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 12, ORIG

17 DEC 2009

SUP:

AMDT: NONE

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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KBPTK4FR12	ACUBDI	010CUBDIK4EA0E	A	IF					18000			A JS	
SUSAP KBPTK4FR12	ACUBDI	020GIDDYK4EA0EE		010TF		20590060		+ 02000				A JS	
SUSAP KBPTK4FR12	AEXWOB	010EXWOBK4EA0E	A	IF					18000			A JS	
SUSAP KBPTK4FR12	AEXWOB	020GIDDYK4EA0EE		010TF		02580060		+ 02000				A JS	
SUSAP KBPTK4FR12	R	010GIDDYK4EA0E	I	IF				+ 02000	18000			A JS	
SUSAP KBPTK4FR12	R	020KAZOOK4EA1E	F	051TF		11590076		+ 01700			RW12	K4PGA	JS
SUSAP KBPTK4FR12	R	020KAZOOK4EA2WALPV			ALNAV/VNAV	ALNAV							JS
SUSAP KBPTK4FR12	R	021COUGSK4EA0E	S	031TF		11590027		V 0082000837		-300		A JS	
SUSAP KBPTK4FR12	R	030RW12	K4PGOGY	M	031TF	11590024		00067		-300		A JS	
SUSAP KBPTK4FR12	R	040MARSAK4EA0EYM		010DF				+ 03000				A JS	
SUSAP KBPTK4FR12	R	050MARSAK4EA0EE		R020HM		29600040		+ 03000				A JS	

[illegible][illegible]

CLASS  
21  
1960

CITY AND STATE  BEAUMONT/PORT ARTHUR, TX	ELEVATION: 15      TDZE: 15  AIRPORT NAME:  SOUTHEAST TEXAS RGNL	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:  RNAV (GPS) RWY 12, ORIG  17 DEC 2009	SUP:
				AMDT:      NONE
				DATED:

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[illegible]

0 18018003125

M

SUP:	
AMDT:	NONE
DATED:	

**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**  
**RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE**  
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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	PO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CUBDI	CUBDI	010	IAF	IF		PB				
	CUBDI	GIDDDY	020		TF		PB	1.0	205.9 (211T)	006.0	02000
	EXWOB	EXWOB	010	IAF	IF		PB				
	EXWOB	GIDDDY	020		TF		PB	1.0	025.8 (031T)	006.0	02000
		GIDDDY	010	FACF	IF		PB				02000
		KAZOO	020	FAF	TF		PB	0.5	115.9 (121T)	007.6	01700
		COUGS	021	SDF	TF		PB	0.3	115.9 (121T)	002.7	0082000837
		RW12	030	MAP	TF		FO	0.3	115.9 (121T)	002.4	00067

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	PO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	MARSA	040		DF		FO	1.0			03000
	MARSA	050		HM	R	FO	2.0	296.0 (301T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	COUGS	N295833.33	W0940402.26	N2958.556	W09404.038
	CUBDI	N300858.40	W0941035.04	N3008.973	W09410.584
	EXWOB	N295838.78	W0941740.52	N2958.646	W09417.675
	GIDDDY	N300348.64	W0941407.96	N3003.811	W09414.133
	KAZOO	N295955.41	W0940639.70	N2959.924	W09406.662
	MARSA	N294909.73	W0934605.93	N2949.162	W09346.099
	RW12	N295719.11	W0940140.07	N2957.319	W09401.668

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW12	00015		52



CITY AND STATE BEAUMONT/PORT ARTHUR, TX	ELEVATION: 15 TDZE: 15	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 12, ORIG 17 DEC 2009	SUP:
	AIRPORT NAME: SOUTHEAST TEXAS RGNL			AMDT: NONE
				DATED:

US DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE												
SILBE (IAF)	AZWAR (FB)	126.43 / 3.16	2000	LPV: DA LNAV/VNAV: DA LNAV: RW16  CLIMB TO 3000 DIRECT HEDIR AND VIA TRACK 104.49 TO MARSA AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD SE, RT, 295.96 INBOUND. CHART FAS OBST: 170 TOWER 295801N/0940117W CHART 301 REFINERY 300043N/0940142W. DISTANCE TO THLD FROM 258 HAT: 0.65 NM. CHART VDP AT 1.11 MILES TO RW16* *LNAV ONLY. WAAS CHANNEL # 82316 REFERENCE PATH ID: W16A											
RIJIP (IAF)	AZWAR (FB)	070.87 / 6.00	2000												
AZWAR (IF)	OCIP (FB)	160.93 / 6.20	1700												
1. PT <u>NA</u> SIDE OF COURSE <u>      </u> OUTBOUND <u>      </u> FT WITHIN <u>      </u> MILES OF <u>      </u> (IAF) 2. PROFILE STARTS AT AZWAR 3. FAC: <u>160.95</u> FAF: <u>OCIP</u> DIST FAF TO MAP: <u>5.06</u> THLD: <u>5.06</u> 4. MIN. ALT: <u>AZWAR 2000, OCIP 1700, KOMDY/2.00 NM TO RW16 700*</u> 5. DIST TO THLD FROM OM: <u>      </u> MM: <u>      </u> IM: <u>      </u> 150 HAT: <u>      </u> 100 HAT: <u>      </u> GS ANT: <u>      </u> 6. MIN GS INCPT: <u>1700</u> GS ALT AT: <u>OCIP</u> OM: <u>      </u> MM: <u>      </u> IM: <u>      </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>52.0</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u>RW16 3100</u>				MAG VAR: 5E EPOCH YEAR: 1985											
MINIMUMS															
TAKEOFF: <u>      </u> STANDARD <u>X</u> SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: <u>NA</u> STANDARD @ <u>      </u>											
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	273	3/4	258	273	3/4	258	273	3/4	258	273	3/4	258	273	3/4	258
LNAV/VNAV DA	422	1 1/2	407	422	1 1/2	407	422	1 1/2	407	422	1 1/2	407	422	1 1/2	407
LNAV MDA	420	1	405	420	1	405	420	1 1/4	405	420	1 1/4	405	420	1 1/2	405
CIRCLING	480	1	465	480	1	465	480	1 1/2	465	580	2	565	820	2 3/4	805
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING ORANGE COUNTY ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 49C (120F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. SEE 8260-10															
CITY AND STATE				ELEVATION: 15 TDZE: 15		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
BEAUMONT/PORT ARTHUR, TX				AIRPORT NAME:		RNAV		RNAV (GPS) RWY 16, ORIG 17 DEC 2009				AMDT: NONE			
				SOUTHEAST TEXAS RGNL								DATED			

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

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## NOTES CONT.

CHART PLANVIEW NOTE: RADAR REQUIRED

\*LNAV ONLY

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ORANGE COUNTY ALTIMETER SETTING AND INCREASE ALL DA 32 FEET AND ALL MDA 40 FEET, INCREASE LPV ALL CATS VISIBILITY 1/4 MILE, LNAV CAT D AND CIRCLING CAT E VISIBILITY 1/4 MILE.

CHART NOTE: VDP NA WHEN USING ORANGE COUNTY ALTIMETER SETTING.

QUALITY  
CHECKED

CITY AND STATE

BEAUMONT/PORT ARTHUR, TX

ELEVATION: 15 TDZE: 15

AIRPORT NAME:

SOUTHEAST TEXAS RGNL

FACILITY  
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 16, ORIG

17 DEC 2009

SUP:

AMDT: NONE

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 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

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBPT
RUNWAY	RW16
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W16A
LTP/FTP LATITUDE	295728.7575N
LTP/FTP LONGITUDE	0940131.2890W
LTP/FTP ELLIPSOIDAL HEIGHT	-00228
FPAP LATITUDE	295602.1100N
FPAP LONGITUDE	0940106.4100W
THRESHOLD CROSSING HEIGHT (TCH)	00052.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1208
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER E2D8940E

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00046
FPAP ORTHOMETRIC HEIGHT	+00046

CITY AND STATE BEAUMONT/PORT ARTHUR, TX	ELEVATION: 15 TDZE: 15 AIRPORT NAME: SOUTHEAST TEXAS RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 16, ORIG 17 DEC 2009	SUP: AMDT: NONE DATED:
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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KBPTK4FR16	ARIJIP	010RIJIPK4EA0E	A	IF					18000			A JS	
SUSAP KBPTK4FR16	ARIJIP	020AZWARK4EA0EE		010TF		07090060		+ 02000				A JS	
SUSAP KBPTK4FR16	ASILBE	010SILBEK4EA0E	A	IF					18000			A JS	
SUSAP KBPTK4FR16	ASILBE	020AZWARK4EA0EE		010TF		12640032		+ 02000				A JS	
SUSAP KBPTK4FR16	R	010AZWARK4EA0E	I	IF				+ 02000	18000			A JS	
SUSAP KBPTK4FR16	R	020OCIPK4EA1E	F	051TF		16090062		+ 01700			RW16	K4PGA JS	
SUSAP KBPTK4FR16	R	020OCIPK4EA2WALPV			ALNAV/VNAV	ALNAV						JS	
SUSAP KBPTK4FR16	R	021KOMDYK4EA0E	S	031TF		16100031		V 0070000708		-300		A JS	
SUSAP KBPTK4FR16	R	030RW16	K4PG0GY	M 031TF		16100020		00067		-300		A JS	
SUSAP KBPTK4FR16	R	040HEDIRK4EA0E	M	010DF								A JS	
SUSAP KBPTK4FR16	R	050MARSASAK4EA0EY		010TF		1045		+ 03000				A JS	
SUSAP KBPTK4FR16	R	060MARSASAK4EA0EE		R020HM		29600040		+ 03000				A JS	

[illegible]

QUALITY  
PRODUCED

CITY AND STATE BEAUMONT/PORT ARTHUR, TX	ELEVATION: 15 AIRPORT NAME:  SOUTHEAST TEXAS RGNL	TDZE: 15	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 16, ORIG  17 DEC 2009	SUP:	
					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.

CITY AND STATE BEAUMONT/PORT ARTHUR, TX	ELEVATION: 15 TDZE: 15 AIRPORT NAME:  SOUTHEAST TEXAS RGNL	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 18, ORIG  17 DEC 2009	SUP:
				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

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CTF VOR/DME	LIGLE (FB)	297.49 / 17.36	2500
HUSTN (IAF)	SAPSE (NOPT) (FB)	233.54 / 5.76	2500
LIGLE (IAF)	SAPSE (NOPT) (FB)	335.55 / 5.00	2500
SAPSE (IF/IAF)	WITUR (FB)	245.63 / 6.10	2100

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW24

CLIMB TO 2200 DIRECT CORON AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD SW, RT, 065.40 INBOUND.  
CHART FAS OBST: 719 TREE 344452N/0804559W  
CHART FAS OBST: 630 TREE 344414N/0805007W  
CHART GAMECOCK 1 MOA.  
DISTANCE TO THLD FROM 250 HAT: 0.65 NM.  
WAAS CHANNEL # 70416  
REFERENCE PATH ID: W24A

- PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
- HOLD NE SAPSE, RT, 245.63 INBOUND, 2500 FT. IN LIEU OF PT (IAF)
- FAC: 245.57 FAF: WITUR DIST FAF TO MAP: 4.87 THLD: 4.87
- MIN. ALT: SAPSE 2500, WITUR 2100
- DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
- MIN GS INCPT: 2100 GS ALT AT: WITUR OM:        MM:        IM:
- GS ANGLE: 3.00 TCH: 42.6 34:1 IS NOT CLEAR
- MSA FROM: RW24 2300

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		736	1	250	736	1	250	736	1	250	736	1	250			
LNAV/VNAV DA		1017	2	531	1017	2	531	1017	2	531	1017	2	531			
LNAV MDA		960	1	474	960	1	474	960	1 1/4	474	960	1 1/2	474			
CIRCLING		1040	1	554	1040	1	554	1060	1 1/2	574	1080	2	594			

NOTES:

CHART NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 24 PROCEDURE NA AT NIGHT.

CHART NOTE: BARO-VNAV NA WHEN USING ROCK HILL ALTIMETER SETTING.

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 47C (116F).

CHART NOTE: DME/DME RNP-0.3 NA.

SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE

LANCASTER, SC

ELEVATION: 486 TDZE: 486

AIRPORT NAME:

LANCASTER COUNTY-MC WHIRTER FIELD

FACILITY

IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 24, AMDT 1

17 DEC 2009

SUP:

AMDT: ORIG

DATED 08/08/2002

QUALITY  
CHECKED  
2

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

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	RIJIP	RIJIP	010	IAF	IF		FB				
	RIJIP	AZWAR	020		TF		FB	1.0	070.9 (076T)	006.0	02000
	SILBE	SILBE	010	IAF	IF		FB				
	SILBE	AZWAR	020		TF		FB	1.0	126.4 (131T)	003.2	02000
		AZWAR	010	FACF	IF		FB				02000
		OCIPi	020	FAF	TF		FB	0.5	160.9 (166T)	006.2	01700
		KOMDY	021	SDF	TF		FB	0.3	161.0 (166T)	003.1	0070000708
		RW16	030	MAP	TF		FO	0.3	161.0 (166T)	002.0	00067

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	HEDIR	040		DF		FB	1.0			
	MARSA	050		TF		FO	1.0	104.5 (110T)		03000
	MARSA	060		HM	R	FO	2.0	296.0 (301T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AZWAR	N300825.72	W0940440.31	N3008.429	W09404.672
	HEDIR	N295335.36	W0940024.31	N2953.589	W09400.405
	KOMDY	N295925.46	W0940204.81	N2959.424	W09402.080
	MARSA	N294909.73	W0934605.93	N2949.162	W09346.099
	OCIPi	N300223.79	W0940256.09	N3002.397	W09402.935
	RIJIP	N300657.82	W0941122.94	N3006.964	W09411.382
	SILBE	N301031.38	W0940724.11	N3010.523	W09407.402
	RW16	N295728.76	W0940131.29	N2957.479	W09401.522

RUNWAY DATA	RWY	THRESHOLD	TCH
		ELEVATION	
	RW16	00015	52

CITY AND STATE  
**BEAUMONT/PORT ARTHUR, TX**

ELEVATION: 15 TDZE: 15  
 AIRPORT NAME:  
**SOUTHEAST TEXAS RGNL**

FACILITY IDENTIFIER:  
**RNAV**

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
**RNAV (GPS) RWY 16, ORIG**  
**17 DEC 2009**

SUP:  
 AMDT: **NONE**  
 DATED:

US DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES				MISSED APPROACH			
FROM	TO	COURSE AND DISTANCE	ALTITUDE				
MARSA (IAF)	PORTZ (FB)	296.07 / 3.40	2000	LPV: DA LNAV/VNAV: DA LNAV: RW30  CLIMB TO 3000 DIRECT GIDDY AND HOLD.			
YAKBY (IAF)	PORTZ (FB)	206.08 / 6.00	2000				
KAHFU (IAF)	PORTZ (FB)	026.02 / 6.00	2000	ADDITIONAL FLIGHT DATA: HOLD NW, RT, 120.85 INBOUND. CHART FAS OBST: 144 OL ON TK 295601N/0940024W CHART 239 TOWER 295545N/0935713W. CHART 298 TOWER 295413N/0935604W DISTANCE TO THLD FROM 251 HAT: 0.64 NM. WAAS CHANNEL # 69216 REFERENCE PATH ID: W30A			
PORTZ (IF)	ROVEZ (FB)	296.05 / 6.20	1700				

1. PT NA SIDE OF COURSE		OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. PROFILE STARTS AT PORTZ					
3. FAC: 296.00		FAF: ROVEZ		DIST FAF TO MAP: 5.08 THLD: 5.08	
4. MIN. ALT: PORTZ 2000, ROVEZ 1700, MEYGI/2.00 NM TO RW30 700*					
5. DIST TO THLD FROM OM:		MM:	IM:	150 HAT:	100 HAT: GS ANT:
6. MIN GS INCPT: 1700		GS ALT AT: ROVEZ		OM:	MM: IM:
7. GS ANGLE: 3.00		TCH: 54.0 34:1 IS NOT CLEAR			
8. MSA FROM: RW30 3100					

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	263	3/4	251	263	3/4	251	263	3/4	251	263	3/4	251	263	3/4	251
LNAV/VNAV DA	404	1 1/4	392	404	1 1/4	392	404	1 1/4	392	404	1 1/4	392	404	1 1/2	392
LNAV MDA	540	1	528	540	1	528	540	1 1/2	528	540	1 3/4	528	540	1 3/4	528
CIRCLING	540	1	525	540	1	525	540	1 1/2	525	580	2	565	820	2 3/4	805

NOTES:

CHART NOTE: BARO-VNAV NA WHEN USING ORANGE COUNTY ALTIMETER SETTING.

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 49C (120F).

CHART NOTE: DME/DME RNP-0.3 NA.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

SEE 8260-10

@ CAT E 900-2 3/4

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 15 TDZE: 12	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
BEAUMONT/PORT ARTHUR, TX	AIRPORT NAME: SOUTHEAST TEXAS RGNL		RNAV (GPS) RWY 30, ORIG 17 DEC 2009	AMDT: NONE
				DATED

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

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**NOTES CONT.**

CHART PLANVIEW NOTE: RADAR REQUIRED

\*LNAV ONLY

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ORANGE COUNTY ALTIMETER SETTING AND INCREASE ALL DA 32 FEET AND ALL MDA 40 FEET, INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITY 1/4 MILE, LNAV CAT E AND CIRCLING CAT E VISIBILITY 1/4 MILE.

QUALITY  
CHECKED

CITY AND STATE

BEAUMONT/PORT ARTHUR, TX

ELEVATION: 15 TDZE: 12

AIRPORT NAME:

SOUTHEAST TEXAS RGNL

FACILITY  
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 30, ORIG

17 DEC 2009

SUP:

AMDT: NONE

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 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

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBPT
RUNWAY	RW30
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	0
REFERENCE PATH DATA SELECTOR	W30A
REFERENCE PATH IDENTIFIER (APPROACH ID)	295644.7390N
LTP/FTP LATITUDE	0940034.2735W
LTP/FTP LONGITUDE	-00253
LTP/FTP ELLIPSOIDAL HEIGHT	295730.6800N
FPAP LATITUDE	0940202.2300W
FPAP LONGITUDE	00054.0
THRESHOLD CROSSING HEIGHT (TCH)	F
TCH UNITS SELECTOR (METERS OR FEET USED)	03.00
GLIDEPATH ANGLE (GPA)	106.75
COURSE WIDTH AT THRESHOLD	0696
LENGTH OFFSET	40.0
HORIZONTAL ALERT LIMIT (HAL)	50.0
VERTICAL ALERT LIMIT (VAL)	

CRC REMAINDER 3DC903CB

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00020
FPAP ORTHOMETRIC HEIGHT	+00020

CITY AND STATE BEAUMONT/PORT ARTHUR, TX	ELEVATION: 15 TDZE: 12 AIRPORT NAME: SOUTHEAST TEXAS RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 30, ORIG 17 DEC 2009	SUP:
				AMDT: NONE
				DATED:

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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KBPTK4FR30	AKAHFU	010KAHFUK4EA0E	A	IF					18000		A	JS
SUSAP	KBPTK4FR30	AKAHFU	020PORTZK4EA0EE		010TF		02600060	+	02000			A	JS
SUSAP	KBPTK4FR30	AMARSA	010MARSAK4EA0E	A	IF					18000		A	JS
SUSAP	KBPTK4FR30	AMARSA	020PORTZK4EA0EE		010TF		29610034	+	02000			A	JS
SUSAP	KBPTK4FR30	AYAKBY	010YAKBYK4EA0E	A	IF					18000		A	JS
SUSAP	KBPTK4FR30	AYAKBY	020PORTZK4EA0EE		010TF		20610060	+	02000			A	JS
SUSAP	KBPTK4FR30	R	010PORTZK4EA0E	I	IF			+	02000	18000		A	JS
SUSAP	KBPTK4FR30	R	020ROVEZK4EA1E	F	051TF		29610062	+	01700		RW30	K4PGA	JS
SUSAP	KBPTK4FR30	R	020ROVEZK4EA2WALPV			ALNAV/VNAV	ALNAV						JS
SUSAP	KBPTK4FR30	R	021MEYGIX4EA0E	S	031TF		29600031	V	0070000702	-300		A	JS
SUSAP	KBPTK4FR30	R	030RW30	K4PG0GY	M	031TF	29600020		00061	-300		A	JS
SUSAP	KBPTK4FR30	R	040GIDDYK4EA0EYM		010DF			+	03000			A	JS
SUSAP	KBPTK4FR30	R	050GIDDYK4EA0EE		R020HM		12090040	+	03000			A	JS

[illegible]

CITY AND STATE BEAUMONT/PORT ARTHUR, TX	ELEVATION: 15 TDZE: 12 AIRPORT NAME:  SOUTHEAST TEXAS RGNL	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 30, ORIG 17 DEC 2009	SUP:
				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.

CITY AND STATE BEAUMONT/PORT ARTHUR, TX	ELEVATION: 15 AIRPORT NAME:  SOUTHEAST TEXAS RGNL	TOZE: 12  FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 30, ORIG  17 DEC 2009	SUP:
				AMDT: NONE
				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 airport 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
	KAHFU	KAHFU	010	IAF	IF		FB				
	KAHFU	PORTZ	020		TF		FB	1.0	026.0 (031T)	006.0	02000
	MARSA	MARSA	010	IAF	IF		FB				
	MARSA	PORTZ	020		TF		FB	1.0	296.1 (301T)	003.4	02000
	YAKBY	YAKBY	010	IAF	IF		FB				
	YAKBY	PORTZ	020		TF		FB	1.0	206.1 (211T)	006.0	02000
		PORTZ	010	FACF	IF		FB				02000
		ROVEZ	020	FAP	TF		FB	0.5	296.1 (301T)	006.2	01700
		MEYGI	021	SDF	TF		FB	0.3	296.0 (301T)	003.1	0070000702
		RW30	030	MAP	TF		FO	0.3	296.0 (301T)	002.0	00061

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	GIDDY	040		DF		FO	1.0			03000
	GIDDY	050		HM	R	FO	2.0	120.9 (126T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	GIDDY	N300348.64	W0941407.96	N3003.811	W09414.133
	KAHFU	N294546.03	W0935300.22	N2945.767	W09353.004
	MARSA	N294909.73	W0934605.93	N2949.162	W09346.099
	MEYGI	N295542.84	W0935835.84	N2955.714	W09358.597
	PORTZ	N295055.25	W0934926.88	N2950.921	W09349.448
	ROVEZ	N295407.58	W0935533.76	N2954.126	W09355.563
	YAKBY	N295604.37	W0934553.18	N2956.073	W09345.886
	RW30	N295644.74	W0940034.27	N2956.746	W09400.571

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW30	00007	54



CITY AND STATE BEAUMONT/PORT ARTHUR, TX	ELEVATION: 15 TDZE: 12	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 30, ORIG 17 DEC 2009	SUP:
	AIRPORT NAME: SOUTHEAST TEXAS RGNL			AMDT: NONE
				DATED:

US DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE		
LODIH (IAF)	EBUKY (FB)	251.04 / 6.00	2000	LPV: DA LNAV/VNAV: DA LNAV: RW34	
HECLY (IAF)	EBUKY (FB)	070.93 / 6.00	2000	CLIMB TO 3000 DIRECT NUWRY AND VIA TRACK 282.73 TO GIDDY AND HOLD.	
EBUKY (IF)	IJOZO (FB)	340.99 / 6.20	1700		
				ADDITIONAL FLIGHT DATA: HOLD NW, RT, 120.85 INBOUND. CHART FAS OBST: 144 TANK 295601N/0940024W CHART FAS OBST: 169 RIG 295458N/0940117W CHART 399 TOWER 295329N/0935834W. CHART 299 REFINERY 295145N/0935840W DISTANCE TO THLD FROM 200 HAT: 0.47 NM. WAAS CHANNEL # 72616 REFERENCE PATH ID: W34A	
1. PT <u>NA</u> SIDE OF COURSE <u>OUTBOUND</u> <u>      </u> FT WITHIN <u>      </u> MILES OF <u>      </u> (IAF) 2. PROFILE STARTS AT EBUKY 3. FAC: <u>340.97</u> FAF: <u>IJOZO</u> DIST FAF TO MAP: <u>5.06</u> THLD: <u>5.06</u> 4. MIN. ALT: <u>EBUKY 2000, IJOZO 1700, HEVLO/1.70 NM TO RW34 600*</u> 5. DIST TO THLD FROM OM: <u>      </u> MM: <u>      </u> IM: <u>      </u> 150 HAT: <u>      </u> 100 HAT: <u>      </u> GS ANT: <u>      </u> 6. MIN GS INCPT: <u>1700</u> GS ALT AT: <u>IJOZO</u> OM: <u>      </u> MM: <u>      </u> IM: <u>      </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>53.0</u> <u>34:1 IS CLEAR</u> 8. MSA FROM: <u>RW34 3100</u>					
				MAG VAR: 5E 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	215	3/4	200	215	3/4	200	215	3/4	200	215	3/4	200	215	3/4	200	
LNAV/VNAV DA	437	1 1/2	422	437	1 1/2	422	437	1 1/2	422	437	1 1/2	422	437	1 1/2	422	
LNAV MDA	480	1	465	480	1	465	480	1 1/4	465	480	1 1/2	465	480	1 3/4	465	
CIRCLING	480	1	465	480	1	465	480	1 1/2	465	580	2	565	820	2 3/4	805	

NOTES:

CHART NOTE: BARO-VNAV NA WHEN USING ORANGE COUNTY ALTIMETER SETTING.

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 49C (120F).

CHART NOTE: DME/DME RNP-0.3 NA.

CHART PLANVIEW NOTE: RADAR REQUIRED

SEE 8260-10

@ CAT E 900-2 3/4

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE BEAUMONT/PORT ARTHUR, TX	ELEVATION: 15 TDZE: 15 AIRPORT NAME: SOUTHEAST TEXAS RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: RNAV (GPS) RWY 34, ORIG 17 DEC 2009	SUP: AMD'T: NONE DATED
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RNAV (GPS) - STANDARD  
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33

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## NOTES CONT.

\*LNAV ONLY

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ORANGE COUNTY ALTIMETER SETTING AND INCREASE ALL DA 32 FEET AND ALL MDA 40 FEET, INCREASE LNAV CAT C AND CIRCLING CAT E VISIBILITY 1/4 MILE.

QUALITY  
CHECKED

CITY AND STATE

BEAUMONT/PORT ARTHUR, TX

ELEVATION: 15 TDZE: 15

AIRPORT NAME:

SOUTHEAST TEXAS RGNL

FACILITY  
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 34, ORIG

17 DEC 2009

SUP:

AMDT: NONE

DATED:

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

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0  
SBAS SERVICE PROVIDER IDENTIFIER 0  
AIRPORT IDENTIFIER KBPT  
RUNWAY RW34  
APPROACH PERFORMANCE DESIGNATOR 0  
ROUTE INDICATOR 0  
REFERENCE PATH DATA SELECTOR W34A  
REFERENCE PATH IDENTIFIER (APPROACH ID) 295640.0735N  
LTP/FTP LATITUDE 0940117.3050W  
LTP/FTP LONGITUDE -00238  
LTP/FTP ELLIPSOIDAL HEIGHT 295806.7200N  
FPAP LATITUDE 0940142.2000W  
FPAP LONGITUDE 00053.0  
THRESHOLD CROSSING HEIGHT (TCH) F  
TCH UNITS SELECTOR (METERS OR FEET USED) 03.00  
GLIDEPATH ANGLE (GPA) 106.75  
COURSE WIDTH AT THRESHOLD 1208  
LENGTH OFFSET 40.0  
HORIZONTAL ALERT LIMIT (HAL) 35.0  
VERTICAL ALERT LIMIT (VAL)

CRC REMAINDER

464ACD29

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K4  
LTP ORTHOMETRIC HEIGHT +00035  
FPAP ORTHOMETRIC HEIGHT +00035

CITY AND STATE

BEAUMONT/PORT ARTHUR, TX

ELEVATION: 15

TDZE: 15

AIRPORT NAME:

SOUTHEAST TEXAS RGNL

FACILITY  
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 34, ORIG

17 DEC 2009

SUP:

AMDT:

NONE

DATED:

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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KBPTK4FR34	AHECLY	010HECLYK4EA0E	A	IF					18000		A	JS
SUSAP	KBPTK4FR34	AHECLY	020EBUKYK4EA0EE	010TF		07090060		+ 02000				A	JS
SUSAP	KBPTK4FR34	ALODIH	010LODIHK4EA0E	A	IF					18000		A	JS
SUSAP	KBPTK4FR34	ALODIH	020EBUKYK4EA0EE	010TF		25100060		+ 02000				A	JS
SUSAP	KBPTK4FR34	R	010EBUKYK4EA0E	I	IF			+ 02000		18000		A	JS
SUSAP	KBPTK4FR34	R	020IJOZOK4EA1E	F	051TF		34100062	+ 01700			RW34	K4PGA	JS
SUSAP	KBPTK4FR34	R	020IJOZOK4EA2WALPV			ALNAV/VNAV	ALNAV						JS
SUSAP	KBPTK4FR34	R	021HEVL0K4EA0E	S	031TF		34100034	V	0060000609		-300		A JS
SUSAP	KBPTK4FR34	R	030RW34	K4PG0GY	M	031TF		34100017		00065		-300	A JS
SUSAP	KBPTK4FR34	R	040NUWRYK4EA0E	M	010DF								A JS
SUSAP	KBPTK4FR34	R	050GIDDYK4EA0EY	010TF			2827		+ 03000				A JS
SUSAP	KBPTK4FR34	R	060GIDDYK4EA0EE	R020HM			12090040		+ 03000				A JS

[illegible]

QUALITY  
CHECKED

SUP:	
AMDT:	NONE
DATED:	

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SUSAP KBPTK4PR34	RW34 001 0000W34A0N2956400735W09401173050-002380300N2958067200W09401422000106751208000530F400350464ACD29
SUSAP KBPTK4PR34	RW34 002E +00035+00035LPV 72616

SUSAP KBPTK4SRW34 K4PG	0	18018003125	M
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QUALITY  
CHECKED

SUP:	
AMDT:	NONE
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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

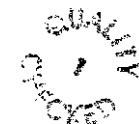
ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	HECLY	HECLY	010	IAP	IF		FB				
	HECLY	EBUKY	020		TF		FB	1.0	070.9 (076T)	006.0	02000
	LODIH	LODIH	010	IAP	IF		FB				
	LODIH	EBUKY	020		TF		FB	1.0	251.0 (256T)	006.0	02000
		EBUKY	010	FACF	IF		FB				02000
		IJOZO	020	FAP	TF		FB	0.5	341.0 (346T)	006.2	01700
		HEVLO	021	SDF	TF		FB	0.3	341.0 (346T)	003.4	0060000609
		RW34	030	MAP	TF		FO	0.3	341.0 (346T)	001.7	00065

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	NUWRY	040		DF		FB	1.0			
	GIDDY	050		TF		FO	1.0	282.7 (288T)		03000
	GIDDY	060		HM	R	FO	2.0	120.9 (126T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	EBUKY	N294543.02	W0935809.00	N2945.717	W09358.150
	GIDDY	N300348.64	W0941407.96	N3003.811	W09414.133
	HECLY	N294415.48	W0940450.22	N2944.258	W09404.837
	HEVLO	N295500.88	W0940048.84	N2955.015	W09400.814
	IJOZO	N295144.57	W0935952.53	N2951.743	W09359.876
	LODIH	N294710.22	W0935127.59	N2947.170	W09351.460
	NUWRY	N300033.46	W0940224.37	N3000.558	W09402.406
	RW34	N295640.07	W0940117.31	N2956.668	W09401.289

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW34	00012	53



CITY AND STATE BEAUMONT/PORT ARTHUR, TX	ELEVATION: 15 TDZE: 15	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
	AIRPORT NAME:		RNAV (GPS) RWY 34, ORIG	AMDT: NONE
	SOUTHEAST TEXAS RGNL		17 DEC 2009	DATED:



U.S. DEPARTMENT OF TRANSPORTATION -- FEDERAL AVIATION ADMINISTRATION  
RADAR -- STANDARD INSTRUMENT APPROACH PROCEDURE -- FLIGHT STANDARDS SERVICE -- TITLE 14 CFR PART 97.31

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.

Initial approach minimum altitude(s) shall correspond with those established for enroute operation in the particular area or as set forth below. Positive identification must be established with the radar controller. From initial contact with radar to final authorized landing minimums, the instructions of the radar controller are mandatory except when: (A) Visual contact is established on final approach at or before descent to the authorized landing minimums; or (B) at pilot's discretion if it appears desirable to discontinue the approach.

Except when the radar controller may direct otherwise prior to final approach, a missed approach shall be executed as provided below when: (A) communications on final approach is lost for more than 5 seconds during a precision approach, or for more than 30 seconds during a surveillance approach; (B) directed by radar controllers; (C) visual contact is not established upon descent to authorized landing minimums; or (D) if landing is not accomplished.

[illegible]

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION <b>COPTER VOR      STANDARD INSTRUMENT APPROACH PROCEDURE</b> FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.35					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.										
<b>TERMINAL ROUTES</b>					<b>MISSED APPROACH</b>										
FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: 1.41 MILES AFTER GRK VOR/DME OR AT GRK 1.41 DME FIX CLIMBING RIGHT TURN TO 3000 DIRECT GRK VOR/DME AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD SE, LT, 333.00 INBOUND. CHART R-6302, A/B/C. CHART FAS OBST: 1194 ANT 310154N/0974922W. CHART: ASR/PAR. GRK VOR/DME TO RW33: 6.49/52.											
AGJ VORTAC	GRK VOR/DME	113.31 / 19.21	3000												
SLIMM INT	GRK VOR/DME	050.66 / 24.88	3100												
DARTE INT	GRK VOR/DME	303.43 / 24.58	3600												
1. PT <u>R</u> SIDE OF COURSE <u>153.27</u> OUTBOUND <u>3000</u> FT WITHIN <u>5</u> MILES OF <u>GRK VOR/DME</u> (IAF) 2. _____ 3. FAC <u>333.27</u> FAF <u>GRK VOR/DME</u> DIST FAF TO MAP <u>1.41</u> THLD <u>1.41</u> 4. MIN. ALT <u>GRK VOR/DME 2000</u> 5. MSA FROM: <u>GRK VOR/DME 360-180 3100, 180-360 4200</u>					MAG VAR: 7E      EPOCH YEAR: 1990										
<b>MINIMUMS</b>															
TAKEOFF:	STANDARD	<input checked="" type="checkbox"/>	SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE:	N	<input checked="" type="checkbox"/> A	<input checked="" type="checkbox"/> X					
CATEGORY	<b>COPTER</b>			<b>B</b>			<b>C</b>			<b>D</b>			<b>E</b>		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
H-33	1460	1/4	465												
NOTES: CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.															
CITY AND STATE  FORT HOOD/KILLEEN, TX		ELEVATION: 1015 TDZE:  AIRPORT NAME:  ROBERT GRAY AAF		FACILITY IDENTIFIER:  GRK		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:  17 DEC 2009  12/17/2009 COPTER VOR RWY 33, AMDT 2				SUP					
										AMDT 1B					
										DATE 02/15/2007					

QUALITY  
 6  
 CHECKED

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				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE		
GRK VOR/DME	STARN LOM/GRK 8.73 DME	330.68 / 8.73	4000	ILS: DA LOC: 5.71 MILES AFTER STARN LOM/GRK 8.73 DME OR AT GRK 3.02 DME FIX	
AGJ VORTAC (IAF)	OKEST INT/GRK 15.00 DME (NOPT)	061.97 / 12.13	3000	CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 3000 DIRECT AGJ VORTAC AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 2000 THEN CLIMBING LEFT TURN TO 3500 VIA GRK VOR/DME R-103 TO REDDA INT AND HOLD S, RT, 003.86 INBOUND.	
OKEST INT/GRK 15.00 DME (IF)	STARN LOM/GRK 8.73 DME (NOPT)	150.35 / 6.27	3000		
				ADDITIONAL FLIGHT DATA: HOLD N, RT, 194.00 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD S REDDA INT, RT, 003.86 INBOUND. CHART FAS OBST: 1229 TREE 310658N/0975138W CHART R-6302 A,B,C,D. CHART IN PLANVIEW: REDDA INT. CHART HOOD MOA. CHART GRAY MOA. CHART TDZE 1015. CHART: ASR/PAR.	
1. PT <u>L</u> SIDE OF COURSE <u>330.35</u> OUTBOUND <u>3000</u> FT WITHIN <u>10</u> MILES OF <u>STARN LOM</u> (IAF) 2. _____ 3. FAC: <u>150.35</u> FAF: <u>STARN LOM/GRK 8.73 DME</u> DIST FAF TO MAP: <u>5.71</u> THLD: <u>5.71</u> 4. MIN. ALT: <u>STARN LOM/GRK 8.73 DME 3000, HOLOD/GRK 5.02 DME 1520*</u> 5. DIST TO THLD FROM OM: <u>5.71</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>1053</u> 6. MIN GS INCPT: <u>3000</u> GS ALT AT: <u>GS INTCP</u> OM: <u>2919</u> MM: <u>-</u> IM: <u>-</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>53.4</u> 8. MSA FROM: <u>GR LOM 4200</u>					
				MAG VAR: 7E EPOCH YEAR: 1990	

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 15	1217	2400	202	1217	2400	202	1217	2400	202	1217	2400	202	1217	2400	202
S-LOC 15	1520	2400	505	1520	2400	505	1520	5000	505	1520	5000	505	1520	6000	505
CIRCLING	1540	1	525	1540	1	525	1560	1 1/2	545	1580	2	565	1740	2 1/2	725
HOLOD FIX MINIMUMS															
S-LOC 15	1480	2400	465	1480	2400	465	1480	4000	465	1480	5000	465	1480	6000	465
CIRCLING	1540	1	525	1540	1	525	1560	1 1/2	545	1580	2	565	1740	2 1/2	725

NOTES:  
CHART NOTE: CIRCLING NA W OF RWY 15-33.  
CHART PLANVIEW NOTE: RADAR REQUIRED  
CHART PROFILE NOTE: VGSI AND ILS GLIDE PATH NOT COINCIDENT.  
\*LOC ONLY  
SEE 8260-10

# CAT E 800-2 1/2  
@ CAT E 800-2 1/2

QUALITY  
CHECKED

CITY AND STATE FORT HOOD/KILLEEN, TX	ELEVATION: 1015 TDZE: 1015 AIRPORT NAME: ROBERT GRAY AAF	FACILITY IDENTIFIER: I-GRK	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 15, AMDT 6, 12/17/2009 17 DEC 2009	SUP: ILS RWY 15 AMDT: 5A DATED 04/09/2002
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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 PLANVIEW NOTE: CAT E PROCEDURE TURN NOT AUTHORIZED.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-ILS 15 CAT E VISIBILITY TO RVR 4000, INCREASE S-LOC 15 CAT E VISIBILITY 1/2 MILE.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT AGJ VORTAC VIA V163 AND V358 SOUTHBOUND.

CITY AND STATE  
FORT HOOD/KILLEEN, TXELEVATION: 1015 TDZE: 1015  
AIRPORT NAME:  
ROBERT GRAY AAFFACILITY  
IDENTIFIER:  
I-GRKPROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
ILS OR LOC RWY 15, AMDT 6, 12/17/2009  
17 DEC 2009SUP: ILS RWY 15  
AMDT: 5A  
DATED: 04/09/2002

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				MISSED APPROACH			
FROM	TO	COURSE AND DISTANCE	ALTITUDE				
CWK VORTAC	GIPGE/I-BTJ 17.80 DME/RADAR	334.75 / 27.26	3000	<b>ILS: DA</b> <b>LOC: 4.88 MILES AFTER RUBUF/6.69 DME/RADAR OR AT I-BTJ 1.80 DME FIX</b>			
GIPGE/I-BTJ 17.80 DME/RADAR (IAF)	TIXFO/12.80 DME/RADAR	330.34 / 5.00 (I-BTJ)	3000	<b>CLIMB TO 2000 THEN CLIMBING LEFT TURN TO 3000 DIRECT AGJ VORTAC AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 1700 THEN CLIMBING RIGHT TURN TO 3500 VIA HEADING 150 AND GRK VOR/DME R-103 TO REDDA INT/CWK 32.15 DME AND HOLD S, RT, 003.86 INBOUND.</b>			
TIXFO/12.80 DME/RADAR (IF)	RUBUF/6.69 DME/RADAR	330.35 / 6.11 (I-BTJ)	2600				
				<b>ADDITIONAL FLIGHT DATA:</b> <b>HOLD N, RT, 194.00 INBOUND.</b> <b>CHART: ALTERNATE MA HOLDING, HOLD S REDDA INT/CWK 32.15 DME, RT, 003.86 INBOUND.</b> <b>CHART FAS OBST: 1043 ROD ON TWR 310202N/0974850W</b> <b>CHART R-6302A, R-6302B, R-6302C, GRAY MOA.</b> <b>CHART VDP AT 2.94 DME;</b> <b>DISTANCE VDP TO THLD 1.14 MILES.</b> <b>CHART IN PLANVIEW: REDDA INT/CWK 32.15 DME.</b> <b>CHART: ASR/PAR</b>			
1. PT <u>NA</u> SIDE OF COURSE <u>OUTBOUND</u> <u>FT</u> WITHIN <u>MILES</u> OF <u>(IAF)</u> 2. PROFILE STARTS AT GIPGE 3. FAC: <u>330.35</u> FAF: <u>RUBUF/6.69 DME/RADAR</u> DIST FAF TO MAP: <u>4.88</u> THLD: <u>4.88</u> 4. MIN. ALT: <u>GIPGE 3000, TIXFO 3000, RUBUF 2600</u> 5. DIST TO THLD FROM OM: <u>4.88</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>900</u> 6. MIN GS INCPT: <u>2600</u> GS ALT AT: <u>RUBUF/6.69 DME/RADAR 2600</u> OM: <u>-</u> MM: <u>-</u> IM: <u>-</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>50.1</u> 8. MSA FROM: <u>GRK VOR/DME 360-180 3100, 180-360 4200</u>							
				MAG VAR: <u>7E</u> EPOCH YEAR: <u>1990</u>			
<b>MINIMUMS</b>							
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N/A	ILS: STANDARD #	LOC: STANDARD @	
CATEGORY ==>	A		B		C		D
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA
S-ILS 33	1195	1/2	200	1195	1/2	200	1195
S-LOC 33	1360	1/2	365	1360	1/2	365	1360
CIRCLING	1540	1	525	1540	1	525	1540
<b>NOTES:</b> CHART NOTE: CIRCLING NA W OF RWY 15-33. CHART PLANVIEW NOTE: DME OR RADAR REQUIRED. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT. CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-ILS 33 CAT E VISIBILITY 1/4 MILE AND S-LOC 33 CAT E VISIBILITY 1/2 MILE.							
CITY AND STATE		ELEVATION: 1015 TDZE: 995		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	
FORT HOOD/KILLEEN, TX		AIRPORT NAME:		I-BTJ		ILS OR LOC RWY 33, AMDT 1, 12/17/2009	
		ROBERT GRAY AAF				17 DEC 2009	
						SUP:	
						AMDT: ORIG	
						DATED 07/05/2007	



<b>U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION</b> <b>NDB STANDARD INSTRUMENT APPROACH PROCEDURE</b> <b>FLIGHT STANDARDS SERVICE - FAR PART 97.27</b>								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.								
<b>TERMINAL ROUTES</b>										<b>MISSED APPROACH</b>						
FROM		TO		COURSE AND DISTANCE				ALTITUDE		MAP: 5.71 MILES AFTER STARN LOM						
GRK VOR/DME		STARN LOM		330.68 / 8.73				4000		CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 3000 DIRECT STARN LOM AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD NW, RT, 150.10 INBOUND. CHART FAS OBST: 1351 ANT ON OL TK 310434N/0975148W STARN LOM TO RW15: 3.16/71. CHART HOOD MOA CHART GRAY MOA CHART R-6302 A,B,C,D CHART AGJ R-111 AT FIPAG. CHART: ASR/PAR						
AGJ VORTAC (IAF)		OKEST INT/GRK 15.00 DME (NOPT)		081.97 / 12.13				3000								
OKEST INT/GRK 15.00 DME (IF)		STARN LOM		150.54 / 6.27				2900								
1. PT <u>L</u> SIDE OF COURSE <u>330.10</u> OUTBOUND <u>3000</u> FT WITHIN <u>10</u> MILES OF <u>STARN LOM</u> (IAF) 2. _____ 3. FAC <u>150.10</u> FAF <u>STARN LOM</u> DIST FAF TO MAP <u>5.71</u> THLD <u>5.71</u> 4. MIN. ALT <u>STARN LOM 2900, FIPAG INT 1740</u> 8. MSA FROM: <u>GR LOM 4200</u>										MAG VAR: 7E				EPOCH YEAR: 1990		
<b>MINIMUMS</b>																
TAKEOFF: <input type="checkbox"/> STANDARD <input checked="" type="checkbox"/> 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-15		1740	4000	725	1740	4000	725	1740	1 1/2	725	1740	2	725	1740	2 1/4	725
CIRCLING		1740	1	725	1740	1	725	1740	2	725	1740	2 1/4	725	1740	2 1/2	725
<b>FIPAG FIX MINIMUMS</b>																
S-15		1660	4000	645	1660	4000	645	1660	6000	645	1660	1 3/4	645	1660	2	645
CIRCLING		1660	1	645	1660	1	645	1660	1 3/4	645	1660	2	645	1740	2 1/2	725
NOTES: CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-15 CAT A, B, AND FIPAG FIX MINIMUMS S-15 CAT A, B. CHART NOTE: CIRCLING NA W OF RWY 15-33. CHART PLANVIEW NOTE: RADAR REQUIRED SEE 8260-10																
CITY AND STATE FORT HOOD/KILLEEN, TX		ELEVATION: 1015 TDZE: 1015 AIRPORT NAME:  ROBERT GRAY AAF		FACILITY IDENTIFIER: GRK		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 15, AMDT 6, 12/17/2009 17 DEC 2009						SUP				
												AMDT 5A				
												DATE 04/09/2002				



**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.

**NOTES CONT.****CHART PLANVIEW NOTE: CAT E PROCEDURE TURN NOT AUTHORIZED.****CHART NOTE: FOR INOPERATIVE MALSR, INCREASE ALL S-15 CAT D & E VISIBILITIES 1/4 MILE.**

QUALITY  
6  
CHECKED

CITY AND STATE

FORT HOOD/KILLEEN, TX

ELEVATION: 1015 TDZE: 1015

AIRPORT NAME:

ROBERT GRAY AAF

FACILITY  
IDENTIFIER:  
GRK

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

NDB RWY 15, AMDT 6, 12/17/2009

17 DEC 2009

SUP:

AMDT: 5A

DATED: 04/09/2002

<b>RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33</b>				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.											
<b>US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION</b>															
<b>TERMINAL ROUTES</b>				<b>MISSED APPROACH</b>											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW15  CLIMB TO 3000 DIRECT RUBUF AND RIGHT TURN VIA TRACK 240.34 TO HETGA AND RIGHT TURN VIA TRACK 336.04 TO AGJ VORTAC AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD N, RT, 190.00 INBOUND. CHART FAS OBST: 1238 ASR 310503N/0975059W FAS OBST: 1281 AAO 310852N/0975309W CHART R-6302 A,B,C,D, GRAY MOA, HOOD MOA. DISTANCE TO THLD FROM 256 HAT: 0.64 NM. CHART VDP AT 1.42 MILES TO RW15* *LNAV ONLY. WAAS CHANNEL # 78099 REFERENCE PATH ID: W15A CHART: PAR/ASR											
AGJ VORTAC (IAF)	OKEST (FB)	059.97 / 12.13	3000												
TENAT (IAF)	OKEST (FB)	125.11 / 11.23	3000												
OKEST (IF)	NABCI (FB)	150.30 / 6.01	3000												
1. PT <u>NA</u> SIDE OF COURSE <u>OUTBOUND</u> <u>      </u> FT WITHIN <u>      </u> MILES OF <u>      </u> (IAF) 2. PROFILE STARTS AT OKEST 3. FAC: <u>150.33</u> FAF: <u>NABCI</u> DIST FAF TO MAP: <u>5.97</u> THLD: <u>5.97</u> 4. MIN. ALT: <u>OKEST 3000, NABCI 3000</u> 5. DIST TO THLD FROM OM: <u>      </u> MM: <u>      </u> IM: <u>      </u> 150 HAT: <u>      </u> 100 HAT: <u>      </u> GS ANT: <u>      </u> 6. MIN GS INCPT: <u>3000</u> GS ALT AT: <u>NABCI</u> OM: <u>      </u> MM: <u>      </u> IM: <u>      </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>53.4</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW15 4200</u>				MAG VAR: 7E EPOCH YEAR: 1990											
<b>MINIMUMS</b>															
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	1271	2400	256	1271	2400	256	1271	2400	256	1271	2400	256	1271	2400	256
LNAV/VNAV DA	1547	6000	532	1547	6000	532	1547	6000	532	1547	6000	532	1547	1 1/2	532
LNAV MDA	1540	2400	525	1540	2400	525	1540	5000	525	1540	6000	525	1540	6000	525
CIRCLING	1540	1	525	1540	1	525	1560	1 1/2	545	1580	2	565	1740	2 1/2	725
NOTES: CHART NOTE: CIRCLING NA W OF RWY 15-33. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 47C (116F). CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV ALL CATS, AND LNAV CATS A/B. CHART NOTE: DME/DME RNP-0.3 NA. SEE 8260-10															
CITY AND STATE FORT HOOD/KILLEEN, TX				ELEVATION: 1015 TDZE: 1015 AIRPORT NAME: ROBERT GRAY AAF		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 15, AMDT 1, 12/17/2009 17 DEC 2009				SUP: AMDT: ORIG DATED 08/02/2007			



**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.

**NOTES CONT.****CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT AGJ VORTAC VIA V358 SOUTHWEST BOUND.****CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.****CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV/VNAV CAT E VISIBILITY 1/2 MILE AND LNAV CAT E VISIBILITY 1/2 MILE.**

QUALITY  
6  
CHECKED

CITY AND STATE

FORT HOOD/KILLEEN, TX

ELEVATION: 1015 TDZE: 1015

AIRPORT NAME:

ROBERT GRAY AAF

FACILITY  
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 15, AMDT 1, 12/17/2009

17 DEC 2009

SUP:

AMDT: ORIG

DATED: 08/02/2007

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 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 KGRK  
RUNWAY RW15  
APPROACH PERFORMANCE DESIGNATOR 0  
ROUTE INDICATOR 0  
REFERENCE PATH DATA SELECTOR 0  
REFERENCE PATH IDENTIFIER (APPROACH ID) W15A  
LTP/FTP LATITUDE 310447.7210N  
LTP/FTP LONGITUDE 0975006.2815W  
LTP/FTP ELLIPSOIDAL HEIGHT +02828  
FPAP LATITUDE 310315.8800N  
FPAP LONGITUDE 0974921.7700W  
THRESHOLD CROSSING HEIGHT (TCH) 00053.4  
TCH UNITS SELECTOR (METERS OR FEET USED) F  
GLIDEPATH ANGLE (GPA) 03.00  
COURSE WIDTH AT THRESHOLD 106.75  
LENGTH OFFSET 0016  
HORIZONTAL ALERT LIMIT (HAL) 40.0  
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

FC940032

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K4  
LTP ORTHOMETRIC HEIGHT +03094  
FPAP ORTHOMETRIC HEIGHT +03094

QUALITY  
6  
CHECKED

CITY AND STATE  
FORT HOOD/KILLEEN, TX

ELEVATION: 1015 TDZE: 1015  
AIRPORT NAME:  
ROBERT GRAY AAF

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
RNAV (GPS) RWY 15, AMDT 1, 12/17/2009  
17 DEC 2009

SUP:  
AMDT: ORIG  
DATED: 08/02/2007

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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KGRKK4FR15	AAGJ	010AGJ	K4D 0V	A	IF					18000		A JS	
SUSAP KGRKK4FR15	AAGJ	0200KESTK4EA0EE	B	010TF		06000121	+	03000				A JS	
SUSAP KGRKK4FR15	ATENAT	010TENATK4EA0E	A	IF						18000		A JS	
SUSAP KGRKK4FR15	ATENAT	0200KESTK4EA0EE	B	010TF		12510112	+	03000				A JS	
SUSAP KGRKK4FR15	R	0100KESTK4EA0E	I	IF			+	03000		18000		A JS	
SUSAP KGRKK4FR15	R	020NABCIK4EA1E	F	051TF		15030060	+	03000			RW15	K4PGA	JS
SUSAP KGRKK4FR15	R	020NABCIK4EA2WALPV			ALNAV/VNAV	ALNAV						JS	
SUSAP KGRKK4FR15	R	030RW15	K4PG0GY	M	031TF	15030060		01069		-300		A JS	
SUSAP KGRKK4FR15	R	040		M	010CA	1503	+	01271				A JS	
SUSAP KGRKK4FR15	R	050RUBUFK4EA0E		010DF								A JS	
SUSAP KGRKK4FR15	R	060HETGAK4EA0E		R010TFY		2403						A JS	
SUSAP KGRKK4FR15	R	070AGJ	K4D 0VY	R010TFY		3360	+	03000				A JS	
SUSAP KGRKK4FR15	R	080AGJ	K4D 0VE	R020HM		19000040	+	03000				A JS	

QUALITY  
6  
CHECKED

CITY AND STATE FORT HOOD/KILLEEN, TX	ELEVATION: 1015    TDZE: 1015 AIRPORT NAME:  ROBERT GRAY AAF	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 15, AMDT 1, 12/17/2009  17 DEC 2009	SUP:	
				AMDT:	ORIG
				DATED:	08/02/2007

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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

SUSAP KGRKK4GRW15 0100001504 N31044772W097500628-0400 +0282801015000053200I

SUSAP KGRKK4PR15	RW15 001 0000W15A0N3104477210W09750062815+028280300N3103158800W09749217700106750016000534F400500FC940032
SUSAP KGRKK4PR15	RW15 002E +03094+03094LPV 78099

SUSAP KGRKK4SRW15 K4PG 0 18018004225 M

QUALITY  
b  
CHECKED

SUP:	
AMDT:	ORIG
DATED:	08/02/2007

**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 airport 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
	AGJ	AGJ	010	IAF	IF		FB				
	AGJ	OKEST	020	IF	TF		FB	1.0	060.0 (067T)	012.1	03000
	TENAT	TENAT	010	IAF	IF		FB				
	TENAT	OKEST	020	IF	TF		FB	1.0	125.1 (132T)	011.2	03000
		OKEST	010	FACF	IF		FB				03000
		NABCI	020	FAF	TF		FB	0.5	150.3 (157T)	006.0	03000
		RW15	030	MAP	TF		FO	0.3	150.3 (157T)	006.0	01069

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
		040		CA		FB	1.0	150.3 (157T)		01271
	RUBUF	050		DF		FB	1.0			
	HETGA	060		TF	R	FB	1.0	240.3 (247T)		
	AGJ	070		TF	R	FO	1.0	336.0 (343T)		03000
	AGJ	080		HM	R	FO	2.0	190.0 (197T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AGJ	N311107.81	W0980830.71	N3111.130	W09808.512
	HETGA	N305321.92	W0980212.47	N3053.365	W09802.208
	NABCI	N311018.78	W0975246.96	N3110.313	W09752.783
	OKEST	N311552.45	W0975529.25	N3115.874	W09755.488
	RUBUF	N305847.11	W0974711.60	N3058.785	W09747.193
	TENAT	N312325.54	W0980512.41	N3123.426	W09805.207
	RW15	N310447.72	W0975006.28	N3104.795	W09750.105

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW15	01015	53

QUALITY  
6  
CHECKED

CITY AND STATE  
FORT HOOD/KILLEEN, TX

ELEVATION: 1015 TDZE: 1015  
 AIRPORT NAME:  
 ROBERT GRAY AAF

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
 RNAV (GPS) RWY 15, AMDT 1, 12/17/2009  
 17 DEC 2009

SUP:  
 AMDT: ORIG  
 DATED: 08/02/2007

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				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE												
REDDA	HINSI (FB)	265.94 / 11.80	3000	<b>LPV: DA</b> <b>LNAV/VNAV: DA</b> <b>LNAV: RW33</b>  <b>CLIMB TO 3000 DIRECT FIXUL AND VIA TRACK 279.51 TO AGJ VORTAC AND HOLD.</b>  <b>ADDITIONAL FLIGHT DATA:</b> <b>HOLD N, RT, 190.00 INBOUND.</b> <b>CHART FAS OBST: 1194 ANT 310154N/0974922W</b> <b>CHART R-6302A, R-6302B, R-6302C, GRAY MOA.</b> <b>DISTANCE TO THLD FROM 200 HAT: 0.54 NM.</b> <b>CHART VDP AT 1.48 MILES TO RW33* LNAV ONLY.</b> <b>WAAS CHANNEL # 82399</b> <b>REFERENCE PATH ID: W33A</b> <b>CHART: ASR/PAR</b>											
KALLA	ROYOB (FB)	051.13 / 15.02	4200												
ROYOB (IAF)	TIXFO (FB)	060.34 / 5.00	3000												
HINSI (IAF)	TIXFO (FB)	240.44 / 5.00	3000												
TIXFO (IF)	RUBUF (FB)	330.39 / 6.11	2600												
1. PT NA SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT TIXFO 3. FAC: 330.37 FAF: RUBUF DIST FAF TO MAP: 4.88 THLD: 4.88 4. MIN. ALT: TIXFO 3000, RUBUF 2600 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2600 GS ALT AT: RUBUF OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 50.1 34:1 IS CLEAR 8. MSA FROM: RW33 4200				MAG VAR: 7E EPOCH YEAR: 1990											
<b>MINIMUMS</b>															
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	1195	1/2	200	1195	1/2	200	1195	1/2	200	1195	1/2	200	1195	1/2	200
LNAV/VNAV DA	1552	1 1/2	557	1552	1 1/2	557	1552	1 1/2	557	1552	1 1/2	557	1552	1 1/2	557
LNAV MDA	1460	1/2	465	1460	1/2	465	1460	3/4	465	1460	1	465	1460	1 1/4	465
CIRCLING	1540	1	525	1540	1	525	1560	1 1/2	545	1580	2	565	1740	2 1/2	725
NOTES: CHART NOTE: CIRCLING NA W OF RWY 15-33. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 46C (114F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. SEE 8260-10															
CITY AND STATE		ELEVATION: 1015 TDZE: 995		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP:							
FORT HOOD/KILLEEN, TX		AIRPORT NAME: ROBERT GRAY AAF				RNAV (GPS) RWY 33, AMDT 1, 12/17/2009		AMDT: ORIG							
						17 DEC 2009		DATED		08/02/2007					

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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**NOTES CONT.**

**CHART NOTE: FOR INOPERATIVE MALRS, INCREASE LPV CAT E VISIBILITY 1/4 MILE AND LNAV/VNAV AND LNAV CAT E VISIBILITY 1/2 MILE.**

QUALITY  
&  
CHECKED

CITY AND STATE

FORT HOOD/KILLEEN, TX

ELEVATION: 1015

TDZE: 995

AIRPORT NAME:

ROBERT GRAY AAF

FACILITY  
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 33, AMDT 1, 12/17/2009

17 DEC 2009

SUP:

AMDT:

ORIG

DATED:

08/02/2007

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

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

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FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE 0  
SBAS SERVICE PROVIDER IDENTIFIER 0  
AIRPORT IDENTIFIER KGRK  
RUNWAY RW33  
APPROACH PERFORMANCE DESIGNATOR 0  
ROUTE INDICATOR  
REFERENCE PATH DATA SELECTOR 0  
REFERENCE PATH IDENTIFIER (APPROACH ID) W33A  
LTP/FTP LATITUDE 310318.1700N  
LTP/FTP LONGITUDE 0974922.8650W  
LTP/FTP ELLIPSOIDAL HEIGHT +02701  
FPAP LATITUDE 310447.9500N  
FPAP LONGITUDE 0975006.4000W  
THRESHOLD CROSSING HEIGHT (TCH) 00050.1  
TCH UNITS SELECTOR (METERS OR FEET USED) F  
GLIDEPATH ANGLE (GPA) 03.00  
COURSE WIDTH AT THRESHOLD 106.75  
LENGTH OFFSET 0008  
HORIZONTAL ALERT LIMIT (HAL) 40.0  
VERTICAL ALERT LIMIT (VAL) 35.0

CRC REMAINDER

E1A735EE

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K4  
LTP ORTHOMETRIC HEIGHT +02967  
FPAP ORTHOMETRIC HEIGHT +02967

QUALITY  
6  
CHECKED

CITY AND STATE

FORT HOOD/KILLEEN, TX

ELEVATION: 1015 TDZE: 995

AIRPORT NAME:

ROBERT GRAY AAF

FACILITY  
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 33, AMDT 1, 12/17/2009

17 DEC 2009

SUP:

AMDT: ORIG

DATED: 08/02/2007



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[illegible][illegible][illegible][illegible]

QUALITY  
6  
CHECKED

CITY AND STATE  FORT HOOD/KILLEEN, TX	ELEVATION: 1015      TDZE: 995  AIRPORT NAME:  ROBERT GRAY AAF	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:  RNAV (GPS) RWY 33, AMDT 1, 12/17/2009  17 DEC 2009	SUP:	
				AMDT:	ORIG
				DATED:	08/02/2007

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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible]

QUALITY  
CHECKED

CITY AND STATE  FORT HOOD/KILLEEN, TX	ELEVATION: 1015      TDZE: 995  AIRPORT NAME:  ROBERT GRAY AAF	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:  RNAV (GPS) RWY 33, AMDT 1, 12/17/2009  17 DEC 2009	SUP:	
				AMDT:	ORIG
				DATED:	08/02/2007

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

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	KALLA	KALLA	010		IF		FB				
	KALLA	ROYOB	020	IAF	TF		FB	2.0	051.1(058T)	015.0	04200
	KALLA	TIXFO	030	IF	TF		FB	1.0	060.3(067T)	005.0	03000
	REDDA	REDDA	010		IF		FB				
	REDDA	HINSI	020	IAF	TF		FB	2.0	265.9(273T)	011.8	03000
	REDDA	TIXFO	030	IF	TF		FB	1.0	240.4(247T)	005.0	03000
		TIXFO	010	FACF	IF		FB				03000
		RUBUF	020	FAF	TF		FB	0.5	330.4(337T)	006.1	02600
		RW33	030	MAP	TF		FO	0.3	330.4(337T)	004.9	01024

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
		040		CA		FB	1.0	330.4(337T)		01195
	FIXUL	050		DF		FB	1.0			
	AGJ	060		TF		FO	1.0	279.5(287T)		03000
	AGJ	070		HM	R	FO	2.0	190.0(197T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AGJ	N311107.81	W0980830.71	N3111.130	W09808.512
	FIXUL	N310641.60	W0975101.54	N3106.693	W09751.026
	HINSI	N305503.16	W0973905.57	N3055.053	W09739.093
	KALLA	N304315.88	W0980438.46	N3043.265	W09804.641
	REDDA	N305427.53	W0972523.49	N3054.459	W09725.392
	ROYOB	N305111.96	W0974949.25	N3051.199	W09749.821
	RUBUF	N305847.11	W0974711.60	N3058.785	W09747.193
	TIXFO	N305307.67	W0974427.52	N3053.128	W09744.459
	RW33	N310318.17	W0974922.87	N3103.303	W09749.381

RUNWAY DATA	RWY	THRESHOLD	TCH
		ELEVATION	
	RW33	00974	50

QUALITY  
6  
CHECKED

CITY AND STATE  
FORT HOOD/KILLEEN, TX

ELEVATION: 1015 TDZE: 995  
 AIRPORT NAME:  
 ROBERT GRAY AAF

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
 RNAV (GPS) RWY 33, AMDT 1, 12/17/2009  
 17 DEC 2009

SUP:  
 AMDT: ORIG  
 DATED: 08/02/2007

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

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: 1.41 MILES AFTER GRK VOR/DME OR AT 1.41 DME FIX
AGJ VORTAC	GRK VOR/DME	113.31 / 19.21	3000	CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 3000 DIRECT GRK VOR/DME AND HOLD.
SLIMM INT	GRK VOR/DME	050.66 / 24.88	3100	
DARTE INT	GRK VOR/DME	303.43 / 24.58	3600	
				ADDITIONAL FLIGHT DATA: HOLD SE, LT, 333.00 INBOUND. CHART FAS OBST: 1194 ANT 310154N/0974922W CHART R-6302 A, B, C, GRAY MOA. CHART: ASR/PAR

1. PT R SIDE OF COURSE 153.32 OUTBOUND 3000 FT WITHIN 10 MILES OF GRK VOR/DME (IAF)  
 2. \_\_\_\_\_  
 3. FAC 333.32 FAF GRK VOR/DME DIST FAF TO MAP 1.41 THLD \_\_\_\_\_  
 4. MIN. ALT 10 NM 2100  
 8. MSA FROM: GRK VOR/DME 360-180 3100, 180-360 4200

MAG VAR: 7E

EPOCH YEAR: 1990

**MINIMUMS**

TAKEOFF: _____	STANDARD	<input checked="" type="checkbox"/>	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	<input checked="" type="checkbox"/>										
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	1540	1	525	1540	1	525	1560	1 1/2	545	1580	2	565			

**NOTES:**

CHART NOTE: CIRCLING NA W OF RWY 15-33.



CITY AND STATE FORT HOOD/KILLEEN, TX	ELEVATION: 1015 TDZE: AIRPORT NAME:  ROBERT GRAY AAF	FACILITY IDENTIFIER: GRK	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR-A, AMDT 2, 12/17/2009  17 DEC 2009	SUP
				AMDT 1B
				DATE 04/09/2002

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

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TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE												
GRK VOR/DME	CURTZ/8.70 DME	331.71 / 8.70	4000	<b>MAP: GRK 3.02 DME FIX</b>  <b>CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 3000 DIRECT AGJ VORTAC AND HOLD.</b>  <b>ADDITIONAL FLIGHT DATA:</b> HOLD N, RT, 194.00 INBOUND. CHART FAS OBST: 1259 TREE 310448N/0975127W CHART HOOD MOA. CHART GRAY MOA. CHART R-6302A,B,C,D. CHART VDP AT 4.38 DME; DISTANCE VDP TO THLD 1.36 MILES. CHART: ASR/PAR CURTZ TO RW15: 3.17/71 CHART TDZE 1015											
AGJ VORTAC (IAF)	SCULL/14.70 DME (NOPT)	063.39 / 12.41 (GRK LR-323)	3000												
SCULL/14.70 DME (IF)	CURTZ/8.70 DME	151.71 / 6.00 (GRK R-332)	3000												
1. PT <u>L</u> SIDE OF COURSE <u>331.71</u> OUTBOUND <u>4000</u> FT WITHIN <u>10</u> MILES OF <u>CURTZ</u> (IAF) 2. _____ 3. FAC <u>151.71</u> FAF <u>CURTZ/8.70 DME</u> DIST FAF TO MAP _____ THLD <u>5.68</u> 4. MIN. ALT <u>CURTZ 3000, HEKNU/5.12 DME 1780</u> 8. MSA FROM: <u>GRK VOR/DME 360-180 3100, 180-360 4200</u>				MAG VAR: <u>7E</u> EPOCH YEAR: <u>1990</u>											
<b>MINIMUMS</b>															
TAKEOFF: <input type="checkbox"/> STANDARD <input checked="" type="checkbox"/> X		SEE FAA FORM 8260-15A FOR THIS AIRPORT		ALTERNATE: N A <input type="checkbox"/> X <input type="checkbox"/>											
CATEGORY =====>	<b>A</b>		<b>B</b>		<b>C</b>		<b>D</b>		<b>E</b>						
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-15	1520	2400	505	1520	2400	505	1520	5000	505	1520	5000	505	1520	6000	505
CIRCLING	1540	1	525	1540	1	525	1560	1 1/2	545	1580	2	565	1740	2 1/2	725
NOTES: CHART NOTE: CIRCLING NA W OF RWY 15-33. CHART PLANVIEW NOTE: RADAR REQUIRED. CHART PLANVIEW NOTE: CAT E PROCEDURE TURN NOT AUTHORIZED. CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-15 CAT E VISIBILITY 1/2 MILE.															
CITY AND STATE FORT HOOD/KILLEEN, TX		ELEVATION: 1015 TDZE: 1015 AIRPORT NAME:  ROBERT GRAY AAF		FACILITY IDENTIFIER: GRK		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME RWY 15, AMDT 3, 12/17/2009  17 DEC 2009				SUP AMDT 2A DATE 04/09/2002					

QUALITY  
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CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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QUALITY  
6  
CHECKED

CITY AND STATE

FORT HOOD/KILLEEN, TX

ELEVATION: 1015 TDZE: 1015

AIRPORT NAME:

ROBERT GRAY AAF

FACILITY  
IDENTIFIER:

GRK

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

VOR/DME RWY 15, AMDT 3, 12/17/2009

17 DEC 2009

SUP:

AMDT: 2A

DATED: 04/09/2002

<b>U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION</b> <b>GPS STANDARD INSTRUMENT APPROACH PROCEDURE</b> <b>FLIGHT STANDARDS SERVICE - FAR PART 97.33</b>										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.																																																																																																																																											
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FROM			TO			COURSE AND DISTANCE					ALTITUDE																																																																																																																																										
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: _____																																																																																																																																						
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>TAKEOFF:</td> <td></td> <td>STANDARD</td> <td></td> <td colspan="5">SEE FAA FORM 8260-15A FOR THIS AIRPORT</td> <td colspan="5">ALTERNATE: N A</td> <td></td> <td></td> </tr> <tr> <td>CATEGORY</td> <td>=====</td> <td colspan="3" style="text-align: center;"><b>A</b></td> <td colspan="3" style="text-align: center;"><b>B</b></td> <td colspan="3" style="text-align: center;"><b>C</b></td> <td colspan="3" style="text-align: center;"><b>D</b></td> <td colspan="3" style="text-align: center;"><b>E</b></td> </tr> <tr> <td></td> <td></td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> </tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>															TAKEOFF:		STANDARD		SEE FAA FORM 8260-15A FOR THIS AIRPORT					ALTERNATE: N A							CATEGORY	=====	<b>A</b>			<b>B</b>			<b>C</b>			<b>D</b>			<b>E</b>					MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA																																																																																					
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		MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA																																																																																																																																					
NOTES:  <div style="text-align: center;">17 DEC 2009</div> PROCEDURE CANCELED EFFECTIVE _____																																																																																																																																																					
CITY AND STATE GEORGETOWN, TX				ELEVATION: 790 TDZE: 790 AIRPORT NAME:  GEORGETOWN MUNI				FACILITY IDENTIFIER: GPS		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 11, ORIG, 02/24/2000					SUP AMDT NONE DATE																																																																																																																																						

QUALITY  
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 CHECKED

## 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

## MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE

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 17 DEC 2009

QUALITY  
6  
CHECKED

CITY AND STATE GEORGETOWN, TX	ELEVATION: 790 TDZE: 786 AIRPORT NAME: GEORGETOWN MUNI	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: GPS RWY 18, ORIG, 02/24/2000	SUP AMD'T NONE DATE
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<b>U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION</b> <b>GPS STANDARD INSTRUMENT APPROACH PROCEDURE</b> <b>FLIGHT STANDARDS SERVICE - FAR PART 97.33</b>								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.									
<b>TERMINAL ROUTES</b>										<b>MISSED APPROACH</b>							
FROM		TO		COURSE AND DISTANCE				ALTITUDE									
										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: <input type="checkbox"/> STANDARD <input type="checkbox"/> SEE FAA FORM 8260-15A FOR THIS AIRPORT <input type="checkbox"/> ALTERNATE: N A <input type="checkbox"/>																	
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 <u>17 DEC 2009</u>																	
CITY AND STATE GEORGETOWN, TX				ELEVATION: 790 TDZE: 777 AIRPORT NAME: GEORGETOWN MUNI				FACILITY IDENTIFIER: GPS				PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 29, ORIG, 02/24/2000				SUP AMDT NONE DATE	

QUALITY  
 5  
 CHECKED

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

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**TERMINAL ROUTES**

**MISSED APPROACH**

FROM	TO	COURSE AND DISTANCE	ALTITUDE

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 >>>>>	<b>A</b>			<b>B</b>			<b>C</b>			<b>D</b>			<b>E</b>			
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	

NOTES:

PROCEDURE CANCELED EFFECTIVE 17 DEC 2009

QUALITY  
6  
CHECKED

CITY AND STATE GEORGETOWN, TX	ELEVATION: 790 TDZE: 765 AIRPORT NAME: GEORGETOWN MUNI	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 36, ORIG, 02/24/2000	SUP AMDT NONE DATE
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US DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	<b>LNAV: RW11</b>  <b>CLIMB TO 3000 DIRECT IWKOK AND VIA TRACK 036.46 TO DARTE AND HOLD.</b>  <b>ADDITIONAL FLIGHT DATA:</b> <b>HOLD SW, RT, 060.00 INBOUND.</b> <b>CHART FAS OBST: 949 TREE 304108N/0974401W</b> <b>CHART VDP AT 1.15 MILES TO RW11.</b> <b>LUDFE TO RW11: 3.04/40.</b>
BASIS	VEGEJ (FB)	076.44 / 16.37	4000	
CWK VORTAC	VEGEJ (FB)	301.96 / 27.31	4000	
DARTE	URHIN (FB)	278.21 / 19.54	4000	
AGJ VORTAC	URHIN (FB)	134.58 / 26.30	4000	
URHIN (IAF)	LOFJA (FB)	204.50 / 5.00	3400	
VEGEJ (IAF)	LOFJA (FB)	024.43 / 8.00	3400	
LOFJA (IF)	LUDFE (FB)	114.47 / 6.02	2400	

1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN        MILES OF        (IAF)
2. PROFILE STARTS AT LOFJA
3. FAC: 114.52 FAF: LUDFE DIST FAF TO MAP: 4.87 THLD: 4.87
4. MIN. ALT: LOFJA 3400, LUDFE 2400, CUBLO/2.50 NM TO RW11 1620
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: RW11 4100

MAG VAR: 6E 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	1200	1	410	1200	1	410	1200	1 1/4	410		NA				
CIRCLING	1260	1	470	1260	1	470	1260	1 1/2	470		NA				

NOTES:  
CHART NOTE: DME/DME RNP-0.3 NA.  
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SKYLARK FIELD ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT CWK VORTAC ON V306-565 EASTBOUND AND ON V558  
SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY  
CHECKED

CITY AND STATE <b>GEORGETOWN, TX</b>	ELEVATION: 790 TDZE: 790 AIRPORT NAME: <b>GEORGETOWN MUNI</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 11, ORIG 17 DEC 2009</b>	SUP: AMDT: <b>NONE</b> DATED
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## US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD  
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## NOTES CONT.

SOUTHEAST BOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT AGJ VORTAC ON V358 NORTHBOUND.

CHART NOTE: VDP NA WHEN USING SKYLARK FIELD ALTIMETER SETTING.

QUALITY  
6  
CHECKED

CITY AND STATE

GEORGETOWN, TX

ELEVATION: 790 TDZE: 790

AIRPORT NAME:

GEORGETOWN MUNI

FACILITY  
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 11, ORIG

17 DEC 2009

SUP:

AMDT: NONE

DATED:

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[illegible][illegible]

	1	2	3	4	5	6	7	8	9	0	1	2	3
AIRPORT	1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KGTUK4AGTU	0	050YHN30404371W097404578E006000790					1800018000C	MNAR	GEORGETOWN MUNI				

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KGTUK4FR11	AAGJ	010AGJ	K4D 0V	IF						18000		B JS	
SUSAP KGTUK4FR11	AAGJ	020URHINK4EA0E	A 020TF			13460263	+	04000				B JS	
SUSAP KGTUK4FR11	AAGJ	030LOFJAK4EA0EE	B 010TF			20450050	+	03400				B JS	
SUSAP KGTUK4FR11	ABASIS	010BASISK4EA0E	IF							18000		B JS	
SUSAP KGTUK4FR11	ABASIS	020VEGEJK4EA0E	A 020TF			07640164	+	04000				B JS	
SUSAP KGTUK4FR11	ABASIS	030LOFJAK4EA0EE	B 010TF			02440080	+	03400				B JS	
SUSAP KGTUK4FR11	ACWK	010CWK	K4D 0V	IF						18000		B JS	
SUSAP KGTUK4FR11	ACWK	020VEGEJK4EA0E	A 020TF			30200273	+	04000				B JS	
SUSAP KGTUK4FR11	ACWK	030LOFJAK4EA0EE	B 010TF			02440080	+	03400				B JS	
SUSAP KGTUK4FR11	ADARTE	010DARTEK4EA0E	IF							18000		B JS	
SUSAP KGTUK4FR11	ADARTE	020URHINK4EA0E	A 020TF			27820195	+	04000				B JS	
SUSAP KGTUK4FR11	ADARTE	030LOFJAK4EA0EE	B 010TF			20450050	+	03400				B JS	
SUSAP KGTUK4FR11	R	010LOFJAK4EA0E	I IF				+	03400		18000		B JS	

QUALITY  
6  
CHECKED

CITY AND STATE  GEORGETOWN, TX	ELEVATION: 790      TDZE: 790  AIRPORT NAME:  GEORGETOWN MUNI	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  RNAV (GPS) RWY 11, ORIG  17 DEC 2009	SUP:
				AMDT:      NONE
				DATED:

**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**  
**RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE**  
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	1	2	3	4	5	6	7	8	9	0	1	2	3
SEGMENT	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KGTUK4FR11	R	020LUDFEK4EA1E	F 051TF				11450060	+ 02400			RW11	K4PGB JS
	SUSAP KGTUK4FR11	R	020LUDFEK4EA2WN		N	ALNAV							JS
	SUSAP KGTUK4FR11	R	021CUBLOK4EA0E	S 031TF				11450024	V 0162001642	-304			B JS
	SUSAP KGTUK4FR11	R	030RW11	K4PG0GY M 031TF				11450025	00830	-304			B JS
	SUSAP KGTUK4FR11	R	040	0 M 010CA				1145	+ 01190				B JS
	SUSAP KGTUK4FR11	R	050IWKOKK4EA0E	010DF									B JS
	SUSAP KGTUK4FR11	R	060DARTEK4EA0EY	010TF				0365	+ 03000				B JS
	SUSAP KGTUK4FR11	R	070DARTEK4EA0EE	R020HM				06000040	+ 03000				B JS

	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KGTUK4GRW11		0041001146	N30405300W097411028-0700				+0214500790000040075R					

	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KGTUK4SRW11	K4PG		0	18018004125								M

QUALITY  
6  
CHECKED

CITY AND STATE GEORGETOWN, TX	ELEVATION: 790 TDZE: 790	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 11, ORIG 17 DEC 2009	SUP:
	AIRPORT NAME: GEORGETOWN MUNI			AMDT: NONE
				DATED:

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

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE  
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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	AGJ	AGJ	010		IF		FB				
	AGJ	URHIN	020	IAF	TF		FB	2.0	134.6 (141T)	026.3	04000
	AGJ	LOFJA	030	IF	TF		FB	1.0	204.5 (211T)	005.0	03400
	BASIS	BASIS	010		IF		FB				
	BASIS	VEGEJ	020	IAF	TF		FB	2.0	076.4 (082T)	016.4	04000
	BASIS	LOFJA	030	IF	TF		FB	1.0	024.4 (030T)	008.0	03400
	CWK	CWK	010		IF		FB				
	CWK	VEGEJ	020	IAF	TF		FB	2.0	302.0 (308T)	027.3	04000
	CWK	LOFJA	030	IF	TF		FB	1.0	024.4 (030T)	008.0	03400
	DARTE	DARTE	010		IF		FB				
	DARTE	URHIN	020	IAF	TF		FB	2.0	278.2 (284T)	019.5	04000
	DARTE	LOFJA	030	IF	TF		FB	1.0	204.5 (211T)	005.0	03400
		LOFJA	010	PACF	IF		FB				03400
		LUDFE	020	PAF	TF		FB	0.5	114.5 (121T)	006.0	02400
		CUBLO	021	SDF	TF		FB	0.3	114.5 (121T)	002.4	0162001642
		RW11	030	MAP	TF		FO	0.3	114.5 (121T)	002.5	00830

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
		040		CA		FB	1.0	114.5 (121T)		01190
	IWKOK	050		DF		FB	1.0			
	DARTE	060		TF		FO	1.0	036.5 (043T)		03000
	DARTE	070		HM	R	FO	2.0	060.0 (066T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AGJ	N311107.81	W0980830.71	N3111.130	W09808.512
	CWK	N302242.78	W0973147.45	N3022.713	W09731.791
	BASIS	N303722.53	W0981534.71	N3037.376	W09815.579
	CUBLO	N304209.42	W0974340.10	N3042.157	W09743.668
	DARTE	N304558.08	W0972706.60	N3045.968	W09727.110
	IWKOK	N303800.64	W0973532.88	N3038.011	W09735.548
	LOFJA	N304625.52	W0975203.38	N3046.425	W09752.056
	LUDFE	N304321.67	W0974601.91	N3043.361	W09746.032
	URHIN	N305044.65	W0974906.66	N3050.744	W09749.111
	VEGEJ	N303930.77	W0975645.58	N3039.513	W09756.760
	RW11	N304053.00	W0974110.28	N3040.883	W09741.171

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW18	00790	40

QUALITY  
6  
CHECKED

CITY AND STATE

GEORGETOWN, TX

ELEVATION: 790 TDZE: 790

AIRPORT NAME:

GEORGETOWN MUNI

FACILITY IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 11, ORIG

17 DEC 2009

SUP:

AMDT: NONE

DATED:

US DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD  
INSTRUMENT APPROACH PROCEDURE  
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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW18  CLIMBING LEFT TURN TO 3500 DIRECT DARTE AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD SW, RT, 060.00 INBOUND. CHART FAS OBST: 849 TREE 304156N/0974118W CHART VDP AT 1.19 MILES TO RW18. FIHNU TO RW18: 3.05/35.
AGJ VORTAC	DAGHU (FB)	127.58 / 27.12	3000	
SLIMM	DAGHU (FB)	074.89 / 24.01	3100	
DARTE	AXWUB (FB)	307.77 / 8.32	3000	
CONRA	AXWUB (FB)	219.51 / 11.87	3000	
DAGHU (IAF)	SILIW (FB)	087.53 / 5.00	3000	
AXWUB (IAF)	SILIW (FB)	267.63 / 5.00	3000	
SILIW (IF)	FIHNU (FB)	177.58 / 6.01	2400	

- PT NA SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
- PROFILE STARTS AT SILIW
- FAC: 177.57 FAF: FIHNU DIST FAF TO MAP: 4.88 THLD: 4.88
- MIN. ALT: SILIW 3000, FIHNU 2400, FORNA/2.00 NM TO RW18 1460
- DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
- MIN GS INCPT:        GS ALT AT:        OM:        MM:        IM:
- GS ANGLE:        TCH: 34:1 IS CLEAR
- MSA FROM: RW18 4100

MAG VAR: 6E

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	1200	1	414	1200	1	414	1200	1 1/4	414		NA				
CIRCLING	1260	1	470	1260	1	470	1260	1 1/2	470		NA				

NOTES:  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SKYLARK FIELD ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET.  
 CHART NOTE: VDP NA WHEN USING SKYLARK FIELD ALTIMETER SETTING.  
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT SLIMM ON V558 NORTHWEST BOUND.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE

QUALITY  
6  
CHECKED

CITY AND STATE	ELEVATION: 790 TDZE: 786	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMD T NO./EFFECTIVE DATE: RNAV (GPS) RWY 18, ORIG 17 DEC 2009	SUP:
GEORGETOWN, TX	AIRPORT NAME: GEORGETOWN MUNI			AMDT: NONE
				DATED



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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KGTUK4FR18	AAGJ	010AGC	K4D 0V	IF						18000		B JS	
SUSAP KGTUK4FR18	AAGJ	020DAGHUK4EA0E	A 020TF			12760271		+ 03000				B JS	
SUSAP KGTUK4FR18	AAGJ	030SILIWK4EA0EE	B 010TF			08750050		+ 03000				B JS	
SUSAP KGTUK4FR18	ACONRA	010CONRAK4EA0E	IF							18000		B JS	
SUSAP KGTUK4FR18	ACONRA	020AXWUBK4EA0E	A 020TF			21950119		+ 03000				B JS	
SUSAP KGTUK4FR18	ACONRA	030SILIWK4EA0EE	B 010TF			26760050		+ 03000				B JS	
SUSAP KGTUK4FR18	ADARTE	010DARTEK4EA0E	IF							18000		B JS	
SUSAP KGTUK4FR18	ADARTE	020AXWUBK4EA0E	A 020TF			30780083		+ 03000				B JS	
SUSAP KGTUK4FR18	ADARTE	030SILIWK4EA0EE	B 010TF			26760050		+ 03000				B JS	
SUSAP KGTUK4FR18	ASLIMM	010SLIMMK4EA0E	IF							18000		B JS	
SUSAP KGTUK4FR18	ASLIMM	020DAGHUK4EA0E	A 020TF			07490240		+ 03100				B JS	
SUSAP KGTUK4FR18	ASLIMM	030SILIWK4EA0EE	B 010TF			08750050		+ 03000				B JS	
SUSAP KGTUK4FR18	R	010SILIWK4EA0E	I IF					+ 03000		18000		B JS	
SUSAP KGTUK4FR18	R	020FIHNUK4EA1E	F 051TF			17760060		+ 02400			RW18	K4PGB JS	

QUALITY  
6  
CHECKED

CITY AND STATE GEORGETOWN, TX	ELEVATION: 790      TDZE: 786 AIRPORT NAME: GEORGETOWN MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 18, ORIG	SUP:
				AMDT:      NONE
				DATED:

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

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	1	2	3	4	5	6	7	8	9	0	1	2	3
SEGMENT	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												

SUSAP KGTUK4FR18	R	020FIHNUK4EA2WN	N	ALNAV								JS
SUSAP KGTUK4FR18	R	021FORNAK4EA0E S	031TF			17760029	V	0146001469		-305		B JS
SUSAP KGTUK4FR18	R	030RW18 K4PG0GY M	031TF			17760020		00821		-305		B JS
SUSAP KGTUK4FR18	R	040	0 M	010CA		1776		+ 01190				B JS
SUSAP KGTUK4FR18	R	050DARTEK4EA0EY	L010DF					+ 03500				B JS
SUSAP KGTUK4FR18	R	060DARTEK4EA0EE	R020HM			06000040		+ 03500				B JS

	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												

SUSAP KGTUK4GRW18	0050001776	N30410925W097404048-0800	+0213400786000035100R
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	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												

SUSAP KGTUK4SRW18	K4PG	0	18018004125	M
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QUALITY  
6  
CHECKED

CITY AND STATE

GEORGETOWN, TX

ELEVATION: 790 TDZE: 786

AIRPORT NAME:

GEORGETOWN MUNI

FACILITY  
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 18, ORIG

17 DEC 2009

SUP:

AMDT: NONE

DATED:

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

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

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	AGJ	AGJ	010		IF		FB				
	AGJ	DAGHU	020	IAF	TF		FB	2.0	127.6 (134T)	027.1	03000
	AGJ	SILIW	030	IF	TF		FB	1.0	087.5 (094T)	005.0	03000
	CONRA	CONRA	010		IF		FB				
	CONRA	AXWUB	020	IAF	TF		FB	2.0	219.5 (226T)	011.9	03000
	CONRA	SILIW	030	IF	TF		FB	1.0	267.6 (274T)	005.0	03000
	DARTE	DARTE	010		IF		FB				
	DARTE	AXWUB	020	IAF	TF		FB	2.0	307.8 (314T)	008.3	03000
	DARTE	SILIW	030	IF	TF		FB	1.0	267.6 (274T)	005.0	03000
	SLIMM	SLIMM	010		IF		FB				
	SLIMM	DAGHU	020	IAF	TF		FB	2.0	074.9 (081T)	024.0	03100
	SLIMM	SILIW	030	IF	TF		FB	1.0	087.5 (094T)	005.0	03000
		SILIW	010	FACF	IF		FB				03000
		FIHNU	020	FAF	TF		FB	0.5	177.6 (184T)	006.0	02400
		FORNA	021	SDF	TF		FB	0.3	177.6 (184T)	002.9	0146001469
		RW18	030	MAP	TF		FO	0.3	177.6 (184T)	002.0	00821

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
		040		CA		FB	1.0	177.6 (184T)		01190
	DARTE	050		DF	L	FO	1.0			03500
	DARTE	060		HM	R	FO	2.0	060.0 (066T)	004.0	03500

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AGJ	N311107.81	W0980830.71	N3111.130	W09808.512
	AXWUB	N305143.97	W0973405.34	N3051.733	W09734.089
	CONRA	N310004.59	W0972415.09	N3100.077	W09724.252
	DAGHU	N305221.53	W0974541.12	N3052.359	W09745.685
	DARTE	N304558.08	W0972706.60	N3045.968	W09727.110
	FIHNU	N304601.97	W0974019.33	N3046.033	W09740.322
	FORNA	N304309.29	W0974031.81	N3043.155	W09740.530
	SILIW	N305202.88	W0973953.21	N3052.048	W09739.887
	SLIMM	N304835.87	W0981314.07	N3048.598	W09813.235
	RW18	N304109.25	W0974040.48	N3041.154	W09740.675

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW18	00786		35

QUALITY  
6  
CHECKED

CITY AND STATE

GEORGETOWN, TX

ELEVATION: 790 TDZE: 786

AIRPORT NAME:

GEORGETOWN MUNI

FACILITY  
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 18, ORIG

17 DEC 2009

SUP:

AMDT: NONE

DATED:

US DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
CWK VORTAC	FEBYI (FB)	350.67 / 7.81	3000	LNAV: RW29  CLIMBING RIGHT TURN TO 3000 DIRECT DARTE AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD SW, RT, 060.00 INBOUND. CHART FAS OBST: 894 TOWER 304001N/0973940W CHART VDP AT 1.18 MILES TO RW29. IWKOK TO RW29: 3.04/40.
DARTE	APCEX (FB)	168.92 / 6.82	3000	
APCEX (IAF)	KOJCY (FB)	204.69 / 5.00	3000	
FEBYI (IAF)	KOJCY (FB)	024.64 / 5.00	3000	
KOJCY (IF)	IWKOK (FB)	294.66 / 6.20	2400	

- PT NA SIDE OF COURSE OUTBOUND        FT WITHIN        MILES OF        (IAF)
- PROFILE STARTS AT KOJCY
- FAC: 294.60 FAF: IWKOK DIST FAF TO MAP: 4.96 THLD: 4.96
- MIN. ALT: KOJCY 3000, IWKOK 2400, HEGUR/3.00 NM TO RW29 1760
- DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
- MIN GS INCPT:        GS ALT AT:        OM:        MM:        IM:
- GS ANGLE:        TCH: 34:1 IS CLEAR
- MSA FROM: RW29 4100

MAG VAR: 6E

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		1180	1	403	1180	1	403	1180	1 1/4	403			NA			
CIRCLING		1260	1	470	1260	1	470	1260	1 1/2	470			NA			

NOTES:  
CHART NOTE: DME/DME RNP-0.3 NA.  
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SKYLARK FIELD ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT CWK VORTAC VIA V558 SOUTHEAST BOUND.  
CHART NOTE: VDP NA WHEN USING SKYLARK FIELD ALTIMETER SETTING.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY  
6  
CHECKED

CITY AND STATE  GEORGETOWN, TX	ELEVATION: 790 TDZE: 777 AIRPORT NAME:  GEORGETOWN MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 29, ORIG 17 DEC 2009	SUP: AMDT: NONE DATED
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**RNAV (GPS) - STANDARD  
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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QUALITY  
6  
CHECKED

CITY AND STATE

GEORGETOWN, TX

ELEVATION: 790

TDZE: 777

AIRPORT NAME:

GEORGETOWN MUNI

FACILITY  
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 29, ORIG

17 DEC 2009

SUP:

AMDT: NONE

DATED:

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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KGTUK4FR29	ACWK	010CWK	K4D	OV	IF					18000			B JS
SUSAP KGTUK4FR29	ACWK	020FEBYIK4EA0E	A	020TF			35070078	+	03000				B JS
SUSAP KGTUK4FR29	ACWK	030KOJCYK4EA0EE	B	010TF			02460050	+	03000				B JS
SUSAP KGTUK4FR29	ADARTE	010DARTEK4EA0E		IF						18000			B JS
SUSAP KGTUK4FR29	ADARTE	020APCEXK4EA0E	A	020TF			16890068	+	03000				B JS
SUSAP KGTUK4FR29	ADARTE	030KOJCYK4EA0EE	B	010TF			20470050	+	03000				B JS
SUSAP KGTUK4FR29	R	010KOJCYK4EA0E	I	IF				+	03000	18000			B JS
SUSAP KGTUK4FR29	R	020IWKOKK4EA1E	F	051TF			29470062	+	02400		RW29	K4PGB	JS
SUSAP KGTUK4FR29	R	020IWKOKK4EA2WN			N	ALNAV							JS
SUSAP KGTUK4FR29	R	021HEGURK4EA0E	S	031TF			29460020	V	0176001770		-304		B JS
SUSAP KGTUK4FR29	R	030RW29	K4PG0GY	M	031TF		29460030		00799		-304		B JS
SUSAP KGTUK4FR29	R	040		M	010CA		2946	+	01180				B JS
SUSAP KGTUK4FR29	R	050DARTEK4EA0EY		R010DF				+	03000				B JS
SUSAP KGTUK4FR29	R	060DARTEK4EA0EE		R020HM			06000040	+	03000				B JS

QUALITY  
6  
CHECKED

CITY AND STATE GEORGETOWN, TX	ELEVATION: 790 TDZE: 777 AIRPORT NAME: GEORGETOWN MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 29, ORIG 17 DEC 2009	SUP:
				AMDT: NONE
				DATED:

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

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	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KGTUK4GRW29	0041002946	N30403237W	097402986+0700	+0205200759000040075R									
MSA	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KGTUK4SRW29 K4PG	0	18018004125										M	

QUALITY  
6  
CHECKED

CITY AND STATE GEORGETOWN, TX	ELEVATION: 790 TDZE: 777	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 29, ORIG 17 DEC 2009	SUP:
	AIRPORT NAME: GEORGETOWN MUNI			AMDT: NONE
				DATED:

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

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

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/PB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CWK	CWK	010		IF		FB				
	CWK	FEBYI	020	IAF	TF		FB	2.0	350.7 (357T)	007.8	03000
	CWK	KOJCY	030	IF	TF		FB	1.0	024.6 (031T)	005.0	03000
	DARTE	DARTE	010		IF		FB				
	DARTE	APCEX	020	IAF	TF		FB	2.0	168.9 (175T)	006.8	03000
	DARTE	KOJCY	030	IF	TF		FB	1.0	204.7 (211T)	005.0	03000
		KOJCY	010	FACF	IF		FB				03000
		IWKOK	020	FAF	TF		FB	0.5	294.7 (301T)	006.2	02400
		HEGUR	021	SDF	TF		FB	0.3	294.6 (301T)	002.0	0176001770
		RW29	030	MAP	TF		FO	0.3	294.6 (301T)	003.0	00799

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/PB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
		040		CA		FB	1.0	294.6 (301T)		01180
	DARTE	050		DF	R	FO	1.0			03000
	DARTE	060		HM	R	FO	2.0	060.0 (066T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CWK	N302242.78	W0973147.45	N3022.713	W09731.791
	APCEX	N303909.28	W0972624.54	N3039.155	W09726.409
	DARTE	N304558.08	W0972706.60	N3045.968	W09727.110
	FEBYI	N303031.95	W0973219.00	N3030.533	W09732.317
	HEGUR	N303900.60	W0973730.17	N3039.010	W09737.503
	IWKOK	N303800.64	W0973532.88	N3038.011	W09735.548
	KOJCY	N303450.65	W0972921.90	N3034.844	W09729.365
	RW29	N304032.37	W0974029.86	N3040.540	W09740.498

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW29	00759	40

QUALITY  
6  
CHECKED

CITY AND STATE  
GEORGETOWN, TX

ELEVATION: 790 TDZE: 777  
AIRPORT NAME:  
GEORGETOWN MUNI

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
RNAV (GPS) RWY 29, ORIG  
17 DEC 2009

SUP:  
AMDT: NONE  
DATED:



US DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	<b>LNAV: RW36</b>  <b>CLIMB TO 3000 DIRECT HEPNA AND VIA TRACK 075.86 TO DARTE AND HOLD.</b>  <b>ADDITIONAL FLIGHT DATA:</b> <b>HOLD SW, RT, 060.00 INBOUND.</b> <b>CHART FAS OBST: 979 TOWER 303802N/0974147W</b> <b>CHART VDP AT 1.51 MILES TO RW36.</b> <b>ACVEK TO RW36: 3.04/50.</b> <b>CHART: 1451 TOWER 303512N/0974056W</b>
AMUSE	ZIGZE (FB)	079.61 / 26.28	3100	
BASIS	ZIGZE (FB)	102.06 / 25.68	3000	
CWK VORTAC	EWETU (FB)	324.17 / 6.91	3000	
DARTE	EWETU (FB)	197.51 / 18.76	3000	
ZIGZE (IAF)	LUKVE (FB)	087.50 / 5.00	3000	
EWETU (IAF)	LUKVE (FB)	267.60 / 5.00	3000	
LUKVE (IF)	ACVEK (FB)	357.55 / 6.03	2500	

- PT NA SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
- PROFILE STARTS AT LUKVE
- FAC: 357.56 FAF: ACVEK DIST FAF TO MAP: 5.26 THLD: 5.26
- MIN. ALT: LUKVE 3000, ACVEK 2500, HOPAG/3.20 NM TO RW36 1820
- DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
- MIN GS INCPT:        GS ALT AT:        OM:        MM:        IM:
- GS ANGLE:        TCH: 34:1 IS CLEAR
- MSA FROM: RW36 4100

MAG VAR: 6E

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	1280	1	515	1280	1	515	1280	1 1/2	515			NA				
CIRCLING	1280	1	490	1280	1	490	1280	1 1/2	490			NA				

NOTES:  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CWK VORTAC VIA V558 SOUTHEAST BOUND.  
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SKYLARK FIELD ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET.  
 CHART NOTE: VDP NA WHEN USING SKYLARK FIELD ALTIMETER SETTING.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

6  
CHECKED

CITY AND STATE <b>GEORGETOWN, TX</b>	ELEVATION: 790 TDZE: 765 AIRPORT NAME: <b>GEORGETOWN MUNI</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 36, ORIG</b> <b>17 DEC 2009</b>	SUP: AMDT: <b>NONE</b> DATED
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**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.

QUALITY  
CHECKED

CITY AND STATE GEORGETOWN, TX	ELEVATION: 790    TDZE: 765	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, ORIG 17 DEC 2009	SUP:
	AIRPORT NAME: GEORGETOWN MUNI			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.

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KGTUK4FR36	AAMUSE	010AMUSEK4EA0E	IF							18000		B JS	
SUSAP KGTUK4FR36	AAMUSE	020ZIGZEK4EA0E	A 020TF			07960263		+ 03100				B JS	
SUSAP KGTUK4FR36	AAMUSE	030LUKVEK4EA0EE	B 010TF			08750050		+ 03000				B JS	
SUSAP KGTUK4FR36	ABASIS	010BASISK4EA0E	IF							18000		B JS	
SUSAP KGTUK4FR36	ABASIS	020ZIGZEK4EA0E	A 020TF			10210257		+ 03000				B JS	
SUSAP KGTUK4FR36	ABASIS	030LUKVEK4EA0EE	B 010TF			08750050		+ 03000				B JS	
SUSAP KGTUK4FR36	ACWK	010CWK K4D 0V	IF							18000		B JS	
SUSAP KGTUK4FR36	ACWK	020EWETUK4EA0E	A 020TF			32420069		+ 03000				B JS	
SUSAP KGTUK4FR36	ACWK	030LUKVEK4EA0EE	B 010TF			26760050		+ 03000				B JS	
SUSAP KGTUK4FR36	ADARTE	010DARTEK4EA0E	IF							18000		B JS	
SUSAP KGTUK4FR36	ADARTE	020EWETUK4EA0E	A 020TF			19750188		+ 03000				B JS	
SUSAP KGTUK4FR36	ADARTE	030LUKVEK4EA0EE	B 010TF			26760050		+ 03000				B JS	
SUSAP KGTUK4FR36	R	010LUKVEK4EA0E	I IF					+ 03000		18000		B JS	

QUALITY  
6  
CHECKED

CITY AND STATE  GEORGETOWN, TX	ELEVATION: 790      TDZE: 765  AIRPORT NAME:  GEORGETOWN MUNI	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  RNAV (GPS) RWY 36, ORIG  17 DEC 2009	SUP:
				AMDT:      NONE
				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 airport 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	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KGTUK4FR36	R	020ACVEKK4EA1E	F 051TF				35760060	+ 02500		RW36	K4PGB	JS
	SUSAP KGTUK4FR36	R	020ACVEKK4EA2WN		N	ALNAV							JS
	SUSAP KGTUK4FR36	R	021HOPAGK4EA0E	S 031TF				35760021	V 0182001826	-304		B	JS
	SUSAP KGTUK4FR36	R	030RW36	K4PG0GY M 031TF				35760032	00798	-304		B	JS
	SUSAP KGTUK4FR36	R	040	0 M 010CA				3576	+ 01190			B	JS
	SUSAP KGTUK4FR36	R	050HEPNAK4EA0E	010DF								B	JS
	SUSAP KGTUK4FR36	R	060DARTEK4EA0EY	010TF				0759	+ 03000			B	JS
	SUSAP KGTUK4FR36	R	070DARTEK4EA0EE	R020HM				06000040	+ 03000			B	JS
RUNWAY	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KGTUK4GRW36		0050003576	N30401986W097404404+0800				+0201800748000050100R					
MSA	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KGTUK4SRW36	K4PG		0	18018004125							M	

QUALITY  
6  
CHECKED

CITY AND STATE GEORGETOWN, TX	ELEVATION: 790 TDZE: 765	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, ORIG 17 DEC 2009	SUP:
	AIRPORT NAME: GEORGETOWN MUNI			AMDT: NONE
				DATED:

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

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	AMUSE	AMUSE	010		IF		FB				
	AMUSE	ZIGZE	020	IAF	TF		FB	2.0	079.6 (086T)	026.3	03100
	AMUSE	LUKVE	030	IF	TF		FB	1.0	087.5 (094T)	005.0	03000
	BASIS	BASIS	010		IF		FB				
	BASIS	ZIGZE	020	IAF	TF		FB	2.0	102.1 (108T)	025.7	03000
	BASIS	LUKVE	030	IF	TF		FB	1.0	087.5 (094T)	005.0	03000
	CWK	CWK	010		IF		FB				
	CWK	EWETU	020	IAF	TF		FB	2.0	324.2 (330T)	006.9	03000
	CWK	LUKVE	030	IF	TF		FB	1.0	267.6 (274T)	005.0	03000
	DARTE	DARTE	010		IF		FB				
	DARTE	EWETU	020	IAF	TF		FB	2.0	197.5 (204T)	018.8	03000
	DARTE	LUKVE	030	IF	TF		FB	1.0	267.6 (274T)	005.0	03000
		LUKVE	010	FACF	IF		FB				03000
		ACVEK	020	FAP	TF		FB	0.5	357.6 (004T)	006.0	02500
		HOPAG	021	SDF	TF		FB	0.3	357.6 (004T)	002.1	0182001826
		RW36	030	MAP	TF		FO	0.3	357.6 (004T)	003.2	00798

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
		040		CA		FB	1.0	357.6 (004T)		01190
	HEPNA	050		DF		FB	1.0			
	DARTE	060		TF		FO	1.0	075.9 (082T)		03000
	DARTE	070		HM	R	FO	2.0	060.0 (066T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CWK	N302242.78	W0973147.45	N3022.713	W09731.791
	ACVEK	N303503.91	W0974106.76	N3035.065	W09741.113
	AMUSE	N302723.21	W0981739.08	N3027.387	W09817.651
	BASIS	N303722.53	W0981534.71	N3037.376	W09815.579
	DARTE	N304558.08	W0972706.60	N3045.968	W09727.110
	EWETU	N302843.44	W0973546.21	N3028.724	W09735.770
	HEPNA	N304419.95	W0974026.75	N3044.333	W09740.446
	HOPAG	N303707.79	W0974057.86	N3037.130	W09740.964
	LUKVE	N302902.19	W0974132.72	N3029.037	W09741.545
	ZIGZE	N302920.68	W0974719.27	N3029.345	W09747.321
	RW36	N304019.86	W0974044.04	N3040.331	W09740.734

RUNWAY DATA	THRESHOLD	
RWY	ELEVATION	TCH
RW36	00748	50

QUALITY  
6  
CHECKED

CITY AND STATE  GEORGETOWN, TX	ELEVATION: 790 TDZE: 765	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  RNAV (GPS) RWY 36, ORIG 17 DEC 2009	SUP:
	AIRPORT NAME:  GEORGETOWN MUNI			AMDT: NONE
				DATED:

## 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, 18, 29, 36 STANDARD.

### (2) TEXTUAL DEPARTURE PROCEDURE:

### (3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 11, NUMEROUS TREES BEGINNING AT DER, 427' LEFT OF CENTERLINE, UP TO 30' AGL/789' MSL. NUMEROUS TREES BEGINNING AT DER, 205' RIGHT OF CENTERLINE, UP TO 30' AGL/789' MSL. TOWER 5361' FROM DER, 514' RIGHT OF CENTERLINE, 179' AGL/894' MSL.

NOTE: RWY 18, NUMEROUS TREE BEGINNING AT DER, 216' RIGHT OF CENTERLINE, UP TO 30' AGL/789' MSL. NUMEROUS TREES BEGINNING 35' FROM DER, 259' LEFT OF CENTERLINE, UP TO 30' AGL/789' MSL.

NOTE: RWY 29, NUMEROUS TREES BEGINNING 129' FROM DER, 475' LEFT OF CENTERLINE, UP TO 30' AGL/819' MSL. NUMEROUS TREES BEGINNING 207' FROM DER, 529' RIGHT OF CENTERLINE, UP TO 30' AGL/839' MSL.

### (4) CONTROLLING OBSTACLES:

QUALITY  
6  
CHECKED

(5) City, State

GEORGETOWN, TX

(6) Airport

GEORGETOWN MUNI

(7) Effective Date

17 DEC 2009

(8) Amdt. No.

ORIG

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION  
DEPARTURE PROCEDURE (CONTINUATION FAA FORM 8260-15A  
FLIGHT STANDARDS SERVICE

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 36, NUMEROUS TREES BEGINNING 235' FROM DER, 302' RIGHT OF CENTERLINE, UP TO 30' AGL/819' MSL. NUMEROUS TREES BEGINNING 322' FROM DER, 346' LEFT OF CENTERLINE, UP TO 30' AGL/829' MSL. TOWER 928' FROM DER, 684' RIGHT OF CENTERLINE, 47' AGL/820' MSL.

QUALITY  
6  
CHECKED

City, State <b>GEORGETOWN, TX</b>	Airport <b>GEORGETOWN MUNI</b>	Effective Date <b>17 DEC 2009</b>	Amdt. No. <b>ORIG</b>		
DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date

<b>ILS - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.29</b>				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.												
<b>TERMINAL ROUTES</b>								<b>MISSED APPROACH</b>								
FROM		TO		COURSE AND DISTANCE		ALTITUDE		ILS: DA LOC: 3.55 MILES AFTER IRESH LOM  CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO 3100 DIRECT IRESH LOM AND HOLD, CONTINUE CLIMB IN HOLD TO 3100.  ADDITIONAL FLIGHT DATA: HOLD S, RT, 011.80 INBOUND. CHART FAS OBST: 894 LT POLE 310438N/0974132W CHART R-6302 A, B, C. CHART: AIRPORT ELEVATION 848 CHART: FORT HOOD AAF								
AGJ VORTAC  DARTE INT		IRESH LOM		108.27 / 24.34		3100*										
		IRESH LOM		314.34 / 20.34		3100										
1. PT <u>L</u> SIDE OF COURSE <u>191.80</u> OUTBOUND <u>3100</u> FT WITHIN <u>10</u> MILES OF <u>IRESH LOM</u> (IAF) 2. _____ 3. FAC: <u>011.80</u> FAF: <u>IRESH LOM</u> DIST FAF TO MAP: <u>3.55</u> THLD: <u>3.55</u> 4. MIN. ALT: <u>IRESH LOM 2100</u> 5. DIST TO THLD FROM OM: <u>3.55</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>1048</u> 6. MIN GS INCPT: <u>3000</u> GS ALT AT: <u>-</u> GS INTCP OM: <u>2032</u> MM: <u>-</u> IM: <u>-</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>45.4</u> 8. MSA FROM: <u>IL LOM 180-360 4100, 360-180 3600</u>								MAG VAR: 5E EPOCH YEAR: 2010								
<b>MINIMUMS</b>																
TAKEOFF:		STANDARD <input checked="" type="checkbox"/>		SEE FAA FORM 8260-15A FOR THIS AIRPORT		ALTERNATE: N A <input checked="" type="checkbox"/>										
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 1		1094	3/4	250	1094	3/4	250	1094	3/4	250		NA				
S-LOC 1		1180	3/4	336	1180	3/4	336	1180	3/4	336		NA				
CIRCLING		1320	1	472	1360	1	512	1360	1 1/2	512		NA				
NOTES: CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY. CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-LOC 1 CATS A,B AND C VISIBILITY TO 1 MILE. CHART NOTE: ADF REQUIRED. CHART PLANVIEW NOTE: ADF REQUIRED. SEE 8260-10																
CITY AND STATE  KILLEEN, TX		ELEVATION: 848 TDZE: 844 AIRPORT NAME:  SKYLARK FIELD			FACILITY IDENTIFIER: IL		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 1, AMDT 3 17 DEC 2009					SUP: AMDT: 2C DATED 06/05/2008				

QUALITY  
 4  
 REVIEW



## 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: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ROBERT GRAY AAF ALTIMETER SETTING AND INCREASE ALL DA 41 FEET AND ALL MDA 60 FEET.

\*NOT AUTHORIZED WHEN R-6302C IN EFFECT.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING ROBERT GRAY AAF ALTIMETER SETTING, INCREASE S-LOC 1

CATS A, B, AND C VISIBILITY TO 1 MILE.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

QUALITY  
CHECKED

CITY AND STATE

KILLEEN, TX

ELEVATION: 848 TDZE: 844

AIRPORT NAME:

SKYLARK FIELD

FACILITY  
IDENTIFIER:  
IL

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 1, AMDT 3

17 DEC 2009

SUP:

AMDT: 2C

DATED: 06/05/2008

<b>RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33</b>				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.													
<b>TERMINAL ROUTES</b>								<b>MISSED APPROACH</b>									
FROM		TO		COURSE AND DISTANCE		ALTITUDE		<b>LNAV: RW01</b>  <b>CLIMBING RIGHT TURN TO 3100 DIRECT IZSUN AND HOLD.</b>  <b>ADDITIONAL FLIGHT DATA:</b> CHART FAS OBST: 1020 TOWER 310308N/0974258W 1099 AAO 310158N/0974329W CHART R-6302 A, B, C. CHART VDP AT 1.08 MILES TO RW01. JOTCO TO RW1: 3.03/45. CHART: FORT HOOD AAF									
AGJ VORTAC		CIVIP (FB)		127.68 / 21.35		3100											
DARTE		EHWAM (FB)		301.80 / 12.91		3100											
CIVIP (IAF)		IZSUN (NOPT) (FB)		101.72 / 5.00		3100											
EHWAM (IAF)		IZSUN (NOPT) (FB)		281.82 / 5.00		3100											
IZSUN (IF/IAF)		JOTCO (FB)		011.77 / 6.34		2100											
1. PT <u>      </u> SIDE OF COURSE <u>      </u> OUTBOUND <u>      </u> FT WITHIN <u>      </u> MILES OF <u>      </u> (IAF) 2. HOLD S IZSUN, RT, 011.77 INBOUND, 3100 FT. IN LIEU OF PT (IAF) 3. FAC: <u>011.79</u> FAF: <u>JOTCO</u> DIST FAF TO MAP: <u>3.76</u> THLD: <u>3.76</u> 4. MIN. ALT: <u>IZSUN 3100, JOTCO 2100</u> 5. DIST TO THLD FROM OM: <u>      </u> MM: <u>      </u> IM: <u>      </u> 150 HAT: <u>      </u> 100 HAT: <u>      </u> GS ANT: <u>      </u> 6. MIN GS INCPT: <u>      </u> GS ALT AT: <u>      </u> OM: <u>      </u> MM: <u>      </u> IM: <u>      </u> 7. GS ANGLE: <u>      </u> TCH: <u>34:1</u> IS NOT CLEAR 8. MSA FROM: <u>RW01 4100</u>								MAG VAR: 5E EPOCH YEAR: 2010									
<b>MINIMUMS</b>																	
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	1260	3/4	416	1260	3/4	416	1260	3/4	416		NA						
CIRCLING	1320	1	472	1360	1	512	1360	1 1/2	512		NA						
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ROBERT GRAY AAF ALTIMETER SETTING AND SEE 8260-10 <div style="text-align: right;">@ NA WHEN LOCAL WEATHER NOT AVAILABLE.</div>																	
CITY AND STATE				ELEVATION: 848 TDZE: 844				FACILITY IDENTIFIER:				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:	
KILLEEN, TX				AIRPORT NAME:				RNAV				RNAV (GPS) RWY 1, ORIG 17 DEC 2009				AMDT: NONE	
				SKYLARK FIELD												DATED	

QUALITY  
 &  
 CHECKED

## 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.

## NOTES CONT.

INCREASE ALL MDA 60 FEET.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV CAT A AND B VISIBILITY TO 1 MILE.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING ROBERT GRAY AAF ALTIMETER SETTING, INCREASE LNAV CAT A AND B VISIBILITY TO 1 MILE.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT AGJ VORTAC VIA V163 NORTHBOUND.

CHART NOTE: VDP NA WHEN USING ROBERT GRAY AAF ALTIMETER SETTING.

QUALITY  
4  
CHECKED

CITY AND STATE

KILLEEN, TX

ELEVATION: 848 TDZE: 844

AIRPORT NAME:

SKYLARK FIELD

FACILITY  
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 1, ORIG

17 DEC 2009

SUP:

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.

[illegible]

QUALITY  
CHECK

CITY AND STATE  KILLEEN, TX	ELEVATION: 848      TDZE: 844  AIRPORT NAME:  SKYLARK FIELD	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:  RNAV (GPS) RWY 1, ORIG  17 DEC 2009	SUP:
				AMDT:      NONE
				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 airport 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	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012													
-----														
SUSAP KILEK4GRW01	0054950118	N31045093W097411775-0100	+0230200844084445100I											
	1	2	3	4	5	6	7	8	9	0	1	2	3	
MSA	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012													
-----														
SUSAP KILEK4SRW01 K4PG	0	18018004125										M		

QUALITY  
6  
CHECKED

CITY AND STATE  
KILLEEN, TX

ELEVATION: 848 TDZE: 844  
 AIRPORT NAME:  
 SKYLARK FIELD

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
 RNAV (GPS) RWY 1, ORIG  
 17 DEC 2009

SUP:  
 AMDT: NONE  
 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 airport 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
	AGJ	AGJ	010		IF		FB				
	AGJ	CIVIP	020	IAF	TF		FB	2.0	127.7(133T)	021.4	03100
	AGJ	IZSUN	030	IF	TF		FB	1.0	101.7(107T)	005.0	03100
	DARTE	DARTE	010		IF		FB				
	DARTE	EHWAM	020	IAF	TF		FB	2.0	301.8(307T)	012.9	03100
	DARTE	IZSUN	030	IF	TF		FB	1.0	281.8(287T)	005.0	03100
	IZSUN	IZSUN	010	IAF	HF	R	FO		011.8(017T)	004.0	03100
		IZSUN	010	FACF	IF		FB				03100
		JOTCO	020	FAF	TF		FB	0.5	011.8(017T)	006.3	02100
		RW01	030	MAP	TF		FO	0.3	011.8(017T)	003.8	00889

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	IZSUN	040		DF	R	FO	1.0			03100
	IZSUN	050		HM	R	FO	2.0	011.8(017T)	004.0	03100

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AGJ	N311107.81	W0980830.71	N3111.130	W09808.512
	CIVIP	N305636.08	W0975015.38	N3056.601	W09750.256
	DARTE	N304558.08	W0972706.60	N3045.968	W09727.110
	EHWAM	N305342.56	W0973907.53	N3053.709	W09739.126
	IZSUN	N305509.44	W0974441.37	N3055.157	W09744.690
	JOTCO	N310114.30	W0974233.69	N3101.238	W09742.562
	RW01	N310450.93	W0974117.75	N3104.849	W09741.296

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW01	00844	45

QUALITY  
6

CITY AND STATE  
KILLEEN, TX

ELEVATION: 848 TDZE: 844  
 AIRPORT NAME:  
 SKYLARK FIELD

FACILITY IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
 RNAV (GPS) RWY 1, ORIG  
 17 DEC 2009

SUP:  
 AMDT: NONE  
 DATED:

<b>U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION</b> <b>VOR STANDARD INSTRUMENT APPROACH PROCEDURE</b> <b>FLIGHT STANDARDS SERVICE - FAR PART 97.23</b>								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.								
<b>TERMINAL ROUTES</b>										<b>MISSED APPROACH</b>						
FROM		TO		COURSE AND DISTANCE				ALTITUDE		MAP: 6.98 MILES AFTER GRK VOR/DME OR AT GRK 6.98 DME FIX						
AGJ VORTAC		GRK VOR/DME		113.31 / 19.21				3000*		CLIMBING RIGHT TURN TO 3000 DIRECT GRK VOR/DME AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD SW, RT, 057.18 INBOUND. CHART FAS OBST: 1020 TOWER 310308N/0974258W 1085 TOWER 310427N/0974422W CHART: 1242 TOWER 310423N/0974541W CHART R-6302 A, B, C. FAC CROSSES MID POINT OF RWY 1/19. CHART: AIRPORT ELEVATION 848 CHART: FORT HOOD AAF						
SLIMM INT		GRK VOR/DME		050.66 / 24.88				3100								
DARTE INT		GRK VOR/DME		303.43 / 24.58				3600								
1. PT <u>L</u> SIDE OF COURSE <u>237.18</u> OUTBOUND <u>3000</u> FT WITHIN <u>10</u> MILES OF <u>GRK VOR/DME</u> (IAF) 2. _____ 3. FAC <u>057.18</u> FAF <u>GRK VOR/DME</u> DIST FAF TO MAP <u>6.98</u> THLD _____ 4. MIN. ALT <u>GRK VOR/DME 2000, HEKIP/5.00 DME 1620**</u> 8. MSA FROM: <u>GRK VOR/DME 360-180 3100, 180-360 4200</u>										MAG VAR: 7E				EPOCH YEAR: 1990		
<b>MINIMUMS</b>																
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	1620	1	772	1620	1 1/4	772	1620	2 1/4	772		NA					
<b>HEKIP FIX MINIMUMS</b>																
CIRCLING	1320	1	472	1360	1	512	1360	1 1/2	512		NA					
NOTES: CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ROBERT GRAY AAF ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET. * NA WHEN R-6302C IN AFFECT. ** 1680 WHEN USING ROBERT GRAY AAF ALTIMETER SETTING.																
CITY AND STATE		ELEVATION: 848		TDZE:		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP VOR OR GPS-A				
KILLEEN, TX						GRK		VOR-A, AMDT 4				AMDT 3A				
		SKYLARK FIELD						17 DEC 2009				DATE 12/03/1998				

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.

QUALITY  
4  
CHECKED

CITY AND STATE

KILLEEN, TX

ELEVATION: 848

TDZE:

AIRPORT NAME:

SKYLARK FIELD

FACILITY  
IDENTIFIER:

GRK

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

VOR-A, AMDT 4

17 DEC 2009

SUP: VOR OR GPS-A

AMDT: 3A

DATED: 12/03/1998



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				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
LLO VORTAC	NOTAW (FB)	070.42 / 28.16	3200	LNAV: RW34  CLIMB TO 3000 DIRECT GUBVE AND VIA TRACK 063.20 TO AGJ VORTAC AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD N, RT, 190.00 INBOUND. CHART FAS OBST: 1497 TOWER 310231N/0980924W CHART VDP AT 1.33 MILES TO RW34. CUDEG TO RW34: 3.04/40.
NOTAW (IAF)	HUGOD (NOPT) (FB)	072.69 / 5.00	3200	
JODEB (IAF)	HUGOD (NOPT) (FB)	252.79 / 5.00	3200	
HUGOD (IF/IAF)	CUDEG (FB)	342.74 / 7.01	2800	

1. PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)  
 2. HOLD S HUGOD, RT, 342.74 INBOUND, 3200 FT. IN LIEU OF PT (IAF)  
 3. FAC: 342.73 FAF: CUDEG        DIST FAF TO MAP: 4.96 THLD: 4.96  
 4. MIN. ALT: HUGOD 3200, CUDEG 2800  
 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: RW34 4100

MAG VAR: 8E

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	1620	1	422	1620	1	422	1620	1 1/4	422		NA					
CIRCLING	1680	1	465	1720	1	505	1720	1 1/2	505		NA					

NOTES:  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ROBERT GRAY AAF ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET AND LNAV CAT C VISIBILITY 1/4 MILE.  
 CHART NOTE: VDP NA WHEN USING ROBERT GRAY AAF ALTIMETER SETTING.  
 SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY  
6  
CHECKED

CITY AND STATE  LAMPASAS, TX	ELEVATION: 1215 TDZE: 1198 AIRPORT NAME:  LAMPASAS	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 34, ORIG, 12/17/2009  17 DEC 2009	SUP: AMDT: NONE DATED
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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.

**NOTES CONT.**

**CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON LLO VORTAC AIRWAY RADIALS 018 CW 120**

**CHART PLANVIEW NOTE: RADAR REQUIRED FOR PROCEDURE ENTRY AT JODEB.**

QUALITY  
6  
CHECKED

CITY AND STATE

LAMPASAS, TX

ELEVATION: 1215 TDZE: 1198

AIRPORT NAME:

LAMPASAS

FACILITY  
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 34, ORIG, 12/17/2009

17 DEC 2009

SUP:

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.

[illegible][illegible][illegible][illegible]

RECEIVED

CITY AND STATE  LAMPASAS, TX	ELEVATION: 1215    TDZE: 1198  AIRPORT NAME:  LAMPASAS	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:  RNAV (GPS) RWY 34, ORIG, 12/17/2009  17 DEC 2009	SUP:	
				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.

[illegible]

SUP:	
AMDT:	NONE
DATED:	

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

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	HUGOD	HUGOD	010	IAF	HF	R	FO		342.7(351T)	004.0	03200
	JODEB	JODEB	010	IAF	IF		FB				
	JODEB	HUGOD	020	IF	TF		FB	1.0	252.8(261T)	005.0	03200
	LLO	LLO	010		IF		FB				
	LLO	NOTAW	020	IAF	TF		FB	2.0	070.4(078T)	028.2	03200
	LLO	HUGOD	030	IF	TF		FB	1.0	072.7(081T)	005.0	03200
		HUGOD	010	FACF	IF		FB				03200
		CUDEG	020	FAF	TF		FB	0.5	342.7(351T)	007.0	02800
		RW34	030	MAP	TF		FO	0.3	342.7(351T)	005.0	01197

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	GUBVE	040		DF		FB	1.0			
	AGJ	050		TF		FO	1.0	063.2(071T)		03000
	AGJ	060		HM	R	FO	2.0	190.0(198T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AGJ	N311107.81	W0980830.71	N3111.130	W09808.512
	LLO	N304746.83	W0984714.60	N3047.781	W09847.243
	CUDEG	N310107.13	W0981045.42	N3101.119	W09810.757
	GUBVE	N310958.89	W0981226.36	N3109.982	W09812.439
	HUGOD	N305411.37	W0980926.70	N3054.190	W09809.445
	JODEB	N305459.63	W0980342.50	N3054.994	W09803.708
	NOTAW	N305322.86	W0981510.81	N3053.381	W09815.180
	RW34	N310601.79	W0981141.32	N3106.030	W09811.689

RUNWAY DATA	THRESHOLD	
	RWY	ELEVATION TCH
	RW34	01157 40

QUALITY  
6  
CHECKED

CITY AND STATE  
LAMPASAS, TX

ELEVATION: 1215 TDZE: 1198  
 AIRPORT NAME:  
 LAMPASAS

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
 RNAV (GPS) RWY 34, ORIG, 12/17/2009  
 17 DEC 2009

SUP:  
 AMDT: NONE  
 DATED:

<b>U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION</b> <b>VOR STANDARD INSTRUMENT APPROACH PROCEDURE</b> <b>FLIGHT STANDARDS SERVICE - FAR PART 97.23</b>					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.										
<b>TERMINAL ROUTES</b>										<b>MISSED APPROACH</b>					
FROM	TO	COURSE AND DISTANCE				ALTITUDE		MAP: 5.24 MILES AFTER AGJ VORTAC OR AT MAGHY/AGJ 5.24 DME FIX  CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 3000 DIRECT AGJ VORTAC AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD N, RT, 194.00 INBOUND. CHART FAS OBST: 1409 TOWER 310803N/0981117W 1429 AAO 311118N/0980945W. CHART APRT ELEV 1215 FAC CROSSES MID POINT OF RWY 16-34 CHART: R-6302A AND R-6302C							
1. PT <u>L</u> SIDE OF COURSE <u>025.38</u> OUTBOUND <u>3000</u> FT WITHIN <u>10</u> MILES OF <u>AGJ VORTAC</u> (IAF) 2. <u> </u> 3. FAC <u>205.38</u> FAF <u>AGJ VORTAC</u> DIST FAF TO MAP <u>5.24</u> THLD <u> </u> 4. MIN. ALT <u>AGJ VORTAC 3000</u> 8. MSA FROM: <u>AGJ VORTAC 130-220 4100, 220-130 3200</u>										MAG VAR: 5E EPOCH YEAR: 2010					
<b>MINIMUMS</b>															
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	1680	1	465	1720	1	505	1720	1 1/2	505		NA				
NOTES: CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ROBERT GRAY AAF ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET. @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART PLANVIEW NOTE: NOPT FOR ARRIVALS ON AGJ VORTAC AIRWAY RADIALS 005 CW 033.															
CITY AND STATE		ELEVATION: 1215 TDZE:		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP VOR OR GPS-A					
LAMPASAS, TX		AIRPORT NAME:		AGJ		VOR-A, AMDT 4, 12/17/2009				AMDT 3					
		LAMPASAS				17 DEC 2009				DATE 01/09/1992					

## 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 16, 34 STANDARD.

### **(2) TEXTUAL DEPARTURE PROCEDURE:**

### **(3) TAKEOFF OBSTACLE NOTES:**

NOTE: RWY 16, BUILDING 39 FT FROM DER, 374 FT LEFT OF CENTERLINE, 20 FT AGL/1189 FT MSL. TREES BEGINNING 795 FT FROM DER, 217 FT RIGHT OF CENTERLINE, UP TO 30 FT AGL/1189 FT MSL.

NOTE: RWY 34, TREES BEGINNING 657 FT FROM DER, 147 FT LEFT OF CENTERLINE, UP TO 30 FT AGL/1249 FT MSL.

### **(4) CONTROLLING OBSTACLES:**

QUALITY  
3  
CHECKED

(5) City, State

LAMPASAS , TX

(6) Airport

LAMPASAS

(7) Effective Date

12/17/2009

(8) Amdt. No.

ORIG

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

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	

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 17 DEC 2009

QUALITY  
CHECKED

CITY AND STATE LLANO, TX	ELEVATION: 1102 TDZE: 1102	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 17, AMDT 1, 11/04/1999	SUP
	AIRPORT NAME:  LLANO MUNI			AMDT ORIG
	DATE 5 DEC 96			



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.

QUALITY  
9  
CHECKED

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				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
LLO VORTAC	AKEY (FO)	020.98 / 14.33	3300	LNAV: RW17  CLIMB TO 3500 DIRECT TCMUD AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD S, RT, 354.21 INBOUND. CHART FAS OBST: 1304 TREE 304938N/0983853W CHART 1483 TREE 305011N/0984053W CHART VDP AT 1.25 MILES TO RW17. HIWGO TO RW17: 3.04/40.
AGJ VORTAC (IAF)	AKEY (NOPT) (FB)	244.02 / 28.93	3300	
AKEY (IF/IAF)	HIWGO (FB)	174.21 / 8.46	2700	

- PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
- HOLD N AKEY, RT, 174.21 INBOUND, 3300 FT. IN LIEU OF PT (IAF)
- FAC: 174.21 FAF: HIWGO DIST FAF TO MAP: 4.83 THLD: 4.83
- MIN. ALT: AKEY 3300, HIWGO 2700, FEPNI/2.60 NM TO RW17 1960
- DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
- MIN GS INCPT:        GS ALT AT:        OM:        MM:        IM:
- GS ANGLE:        TCH: 34:1 IS CLEAR
- MSA FROM: RW17 3700

MAG VAR: 5E

EPOCH YEAR: 2010

**MINIMUMS**

TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: NA	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	1560	1	458	1560	1	458		NA			NA					
CIRCLING	1660	1	558	1660	1	558		NA			NA					

NOTES:  
CHART NOTE: DME/DME RNP-0.3 NA.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LLO VORTAC VIA V161-568 SOUTHBOUND.  
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.  
CHART NOTE: CIRCLING NA TO RWY 13-31.  
SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.



CITY AND STATE LLANO, TX	ELEVATION: 1102 TDZE: 1102 AIRPORT NAME: LLANO MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, ORIG 17 DEC 2009	SUP: AMDT: NONE DATED
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**RNAV (GPS) - STANDARD  
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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**NOTES CONT.****CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT AGJ VORTAC ON AIRWAY RADIALS 182 CW 199.****CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BURNET ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET.****CHART NOTE: VDP NA WHEN USING BURNET ALTIMETER SETTING.**

QUALITY  
9  
CHECKED

CITY AND STATE  
LLANO, TX

ELEVATION: 1102 TDZE: 1102  
AIRPORT NAME:  
LLANO MUNI

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
RNAV (GPS) RWY 17, ORIG  
17 DEC 2009

SUP:  
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.

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KAQOK4FR17	AAGJ	010AGJ	K4D 0V	A	IF					18000		B JS	
SUSAP KAQOK4FR17	AAGJ	020AKEKYK4EA0EE	B	010TF		24400289		+ 03300				B JS	
SUSAP KAQOK4FR17	ALLO	010LLO	K4D 0V		IF					18000		B JS	
SUSAP KAQOK4FR17	ALLO	020AKEKYK4EA0EY		020TF		02100143		+ 03300				B JS	
SUSAP KAQOK4FR17	ALLO	030AKEKYK4EA0EE	AR	HF		17420040		+ 03300		18000		B JS	
SUSAP KAQOK4FR17	R	010AKEKYK4EA0E	I	IF				+ 03300				R JS	
SUSAP KAQOK4FR17	R	020HIWGOK4EA1E	F	051TF		17420085		+ 02700			RW17	K4PGB	JS
SUSAP KAQOK4FR17	R	020HIWGOK4EA2WN			N		ALNAV						JS
SUSAP KAQOK4FR17	R	021FEPNIK4BA0E	S	031TF		17420022		V 0196001988		-304		B JS	
SUSAP KAQOK4FR17	R	030RW17	K4PG0GY	M	031TF	17420026		01142		-304		B JS	
SUSAP KAQOK4FR17	R	040IYMUDK4EA0EYM		010DF				+ 03500				B JS	
SUSAP KAQOK4FR17	R	050IYMUDK4EA0EE		R020HM		35420040		+ 03500				B JS	

[illegible]

QUALITY  
1  
CHECKED

CITY AND STATE  LLANO, TX	ELEVATION: 1102    TDZE: 1102 AIRPORT NAME:  LLANO MUNI	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:  RNAV (GPS) RWY 17, ORIG  17 DEC 2009	SUP:
				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.

[illegible]

SUP:	
AMDT:	NONE
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 airport 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
	AGJ	AGJ	010	IAF	IF		PB				
	AGJ	AKEY	020	IF	TF		FB	1.0	244.0 (249T)	028.9	03300
	LLO	LLO	010		IF		FB				
	LLO	AKEY	020		TF		FO	2.0	021.0 (026T)	014.3	03300
	LLO	AKEY	030	IAF	HF	R	FO		174.2 (179T)	004.0	03300
		AKEY	010	FACF	IF		FB				03300
		HIWGO	020	FAF	TF		FB	0.5	174.2 (179T)	008.5	02700
		FEPNI	021	SDF	TF		FB	0.3	174.2 (179T)	002.2	0196001988
		RW17	030	MAP	TF		FO	0.3	174.2 (179T)	002.6	01142

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	IYMUD	040		DF		FO	1.0			03500
	IYMUD	050		HM	R	FO	2.0	354.2 (359T)	004.0	03500

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AGJ	N311107.81	W0980830.71	N3111.130	W09808.512
	LLO	N304746.83	W0984714.60	N3047.781	W09847.243
	AKEY	N310041.12	W0983956.43	N3100.685	W09839.941
	FEPNI	N304958.56	W0983946.14	N3049.976	W09839.769
	HIWGO	N305212.51	W0983948.28	N3052.209	W09839.805
	IYMUD	N303424.01	W0983931.24	N3034.400	W09839.521
	RW17	N304722.22	W0983943.64	N3047.370	W09839.727

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW17	01102		40

QUALITY  
CHECKED

CITY AND STATE  
LLANO, TX

ELEVATION: 1102 TDZE: 1102  
 AIRPORT NAME:  
 LLANO MUNI

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
 RNAV (GPS) RWY 17, ORIG  
 17 DEC 2009

SUP:  
 AMDT: NONE  
 DATED:



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

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**NOTES CONT.****CHART NOTE: CIRCLING NA TO RWY 13-31.****CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BURNET ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET.****CHART NOTE: VDP NA WHEN USING BURNET ALTIMETER SETTING.**

CITY AND STATE

LLANO, TX

ELEVATION: 1102 TDZE: 1102  
AIRPORT NAME:

LLANO MUNI

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

RNAV (GPS) RWY 35, ORIG

17 DEC 2009

SUP:

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.

[illegible]

QUALITY  
CHECKED

CITY AND STATE  LLANO, TX	ELEVATION: 1102    TDZE: 1102  AIRPORT NAME:  LLANO MUNI	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:  RNAV (GPS) RWY 35, ORIG  17 DEC 2009	SUP:
				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.

CITY AND STATE  LLANO, TX	ELEVATION: 1102 TDZE: 1102  AIRPORT NAME:  LLANO MUNI	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  RNAV (GPS) RWY 35, ORIG  17 DEC 2009	SUP:
				AMDT: NONE
				DATED:

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

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	AMUSE	AMUSE	010	IAF	IF		FB				
	AMUSE	IYMUD	020	IF	TF		FB	1.0	285.4(290T)	020.1	03500
	CORVY	CORVY	010	IAF	IF		FB				
	CORVY	IYMUD	020	IF	TF		FB	1.0	041.1(046T)	006.3	03500
	IYMUD	IYMUD	010	IAF	HF	R	FO		354.2(359T)	004.0	03500
		IYMUD	010	PACF	IF		FB				03500
		ZEBNO	020	FAF	TF		FB	0.5	354.2(359T)	006.2	03100
		KOPPY	021	SDF	TF		FB	0.3	354.2(359T)	003.0	0214002155
		RW35	030	MAP	TF		FO	0.3	354.2(359T)	003.1	01142

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	AKEY	040		DF		FO	1.0			03300
	AKEY	050		HM	R	FO	2.0	174.2(179T)	004.0	03300

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AKEY	N310041.12	W0983956.43	N3100.685	W09839.941
	AMUSE	N302723.21	W0981739.08	N3027.387	W09817.651
	CORVY	N303001.36	W0984446.71	N3030.023	W09844.779
	IYMUD	N303424.01	W0983931.24	N3034.400	W09839.521
	KOPPY	N304334.23	W0983940.00	N3043.571	W09839.667
	ZEBNO	N304037.07	W0983937.18	N3040.618	W09839.620
	RW35	N304640.64	W0983942.98	N3046.677	W09839.716

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW35	01102	40

CITY AND STATE  
LLANO, TX

ELEVATION: 1102 TDZE: 1102  
 AIRPORT NAME:  
 LLANO MUNI

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
 RNAV (GPS) RWY 35, ORIG  
 17 DEC 2009

SUP:  
 AMDT: NONE  
 DATED:

## TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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### (1) TAKEOFF MINIMUMS:

RWY 13, 31 NA – ENVIRONMENTAL.  
RWY 17, 35 STANDARD.

### (2) TEXTUAL DEPARTURE PROCEDURE:

RWY 35 – CLIMB HEADING 354.21 TO 1900 BEFORE PROCEEDING ON COURSE.

### (3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 17, TREE 11' FROM DER, 364' LEFT OF CENTERLINE, 25' AGL/1144' MSL. TREES 811' FROM DER, 242' LEFT OF CENTERLINE, 25' AGL/1124' MSL.

NOTE: RWY 35, HANGAR 209' FROM DER, 497' RIGHT OF CENTERLINE, 30' AGL/1149' MSL. TREE 485' FROM DER, 265' RIGHT OF CENTERLINE, 25' AGL/1144' MSL. VEHICLES ON NORTH-SOUTH ROAD, 270' LEFT OF CENTERLINE, 15' AGL/1114' MSL. VEHICLES ON ROAD 390' FROM DER, CROSSES CENTERLINE EAST-WEST, 15' AGL/1134' MSL.

### (4) CONTROLLING OBSTACLES:

RWY 35: 1644 MSL AAO 305038.24N/0983831.40W, 1619 MSL AAO 305028.86N/0984100.78W.

QUALITY  
CHECKED

(5) City, State

LLANO, TX

(6) Airport

LLANO MUNI

(7) Effective Date

17 DEC 2009

(8) Amdt. No.

ORIG

## TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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### (1) TAKEOFF MINIMUMS:

RWY 02, 11, 16, 29, 34 STANDARD.

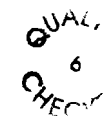
RWY 20, 400 - 2 1/2 OR STANDARD WITH A MINIMUM CLIMB OF 225 FEET PER NM TO 3400, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FEET PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 2100 FEET PRIOR TO DEPARTURE END OF RUNWAY.

### (2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES: NOTE: RWY 02, VEHICLE ON ROADWAY 184' FROM DER, LEFT AND RIGHT OF CENTERLINE, 15' AGL/3024' MSL. NOTE: RWY 16, BUILDING 466' FROM DER, 487' LEFT OF CENTERLINE, 50' AGL/3029' MSL. POWERLINES 896' FROM DER, LEFT AND RIGHT OF CENTERLINE, 30' AGL/2984' MSL. NOTE: RWY 20, TOWER 2.3 MILES FROM DER, 1311' LEFT OF CENTERLINE, 340' AGL/3287' MSL. NOTE: RWY 29, RISING TERRAIN, TREES AND POLES BEGINNING 8' FROM DER, 495' RIGHT OF CENTERLINE, UP TO 27' AGL/ 3012' MSL. NOTE: RWY 34, AIRPLANE ON TAXIWAY 21' FROM DER, 362' LEFT OF CENTERLINE, UP TO 17' AGL/3001' MSL. VEHICLES ON ROADWAY BEGINNING 48' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 16' AGL/3014' MSL. BUILDINGS AND HANGERS BEGINNING 739' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 50' AGL/3044' MSL.

### (4) CONTROLLING OBSTACLES:

RWY 20: 3287' MSL TOWER 315300.00N-1022430.00W.



(5) City, State <b>ODESSA, TX.</b>	(6) Airport <b>ODESSA-SCHLEMEYER FIELD</b>	(7) Effective Date <b>17 DEC 2009</b>	(8) Amdt. No. <b>2</b>
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<b>U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION</b> <b>NDB STANDARD INSTRUMENT APPROACH PROCEDURE</b> <b>FLIGHT STANDARDS SERVICE - FAR PART 97.27</b>										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.									
<b>TERMINAL ROUTES</b>															<b>MISSED APPROACH</b>				
FROM			TO			COURSE AND DISTANCE					ALTITUDE		MAP: RNT NDB						
NUGUE RADAR (IF)			HAKIM INT/RADAR			156.00 / 6.26 (RNT BRG-336)					2000		CLIMB TO 5000 VIA 141 BEARING FROM RNT NDB AND SEA VORTAC R-104 TO SESOY INT AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000.  ADDITIONAL FLIGHT DATA: HOLD W, RT, 104.46 INBOUND. CHART FAS OBST: 549 TREE 472938N/1221402W CHART 635 BLDG 473649N/1221149W. CHART 585 ROD 472919N/1221427W. HAKIM TO RW16: 3.16/50. FAC 276L OF RWY C/L EXTENDED 3000 FROM THLD.						
1. PT <u>NA</u> SIDE OF COURSE <u>      </u> OUTBOUND <u>      </u> FT WITHIN <u>      </u> MILES OF <u>      </u> (IAF) 2. PROFILE STARTS AT NUGUE 3. FAC <u>156.00</u> FAF <u>HAKIM INT/RADAR</u> DIST FAF TO MAP <u>      </u> THLD <u>5.74</u> 4. MIN. ALT <u>NUGUE 2000, HAKIM 2000, ODAGE INT 1000</u> 8. MSA FROM: <u>RNT NDB 360-090 7200, 090-180 6400, 180-360 3400</u>																			
MAG VAR: 17E      EPOCH YEAR: 2010																			
<b>MINIMUMS</b>																			
TAKEOFF:		STANDARD		<input checked="" type="checkbox"/> X		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				
S-16	1000	1 1/4	975	1000	1 1/2	975	1000	3	975	1000	3	975							
CIRCLING	1000	1 1/4	968	1000	1 1/2	968	1000	3	968	1000	3	968							
<b>ODAGE FIX MINIMUMS (DUAL ADF RECEIVERS REQUIRED)</b>																			
S-16	900	1	875	900	1 1/4	875	900	2 1/2	875	900	2 3/4	875							
CIRCLING	900	1	868	900	1 1/4	868	920	2 3/4	888	920	3	888							
NOTES: CHART NOTE: CIRCLING NA W OF RWY 16-34. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PLANVIEW NOTE: RADAR REQUIRED CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SEATTLE-TACOMA INTL ALTIMETER SETTING.																			
CITY AND STATE RENTON, WA		ELEVATION: 32    TDZE: 25 AIRPORT NAME:  RENTON MUNI		FACILITY IDENTIFIER: RNT		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 16, AMDT 6 17 DEC 2009					SUP		NDB RWY 15						
											AMDT		5						
											DATE		11/20/2008						

<b>RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33</b>				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.								
<b>TERMINAL ROUTES</b>				<b>MISSED APPROACH</b>								
FROM	TO	COURSE AND DISTANCE	ALTITUDE	<b>LNAV: TOYOL</b>  <b>CLIMB TO 5000 DIRECT CUPAT AND VIA TRACK 106.54 TO SESOY AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000.</b>  <b>ADDITIONAL FLIGHT DATA:</b> HOLD W, RT, 106.46 INBOUND. CHART FAS OBST: 485 TREE 473159N/1221321W CHART VDP AT 1.80 MILES TO TOYOL. BLEIR TO RW16: 3.04/50.								
HAVHO (IAF)	LUTSY (FB)	253.15 / 6.04	2000									
PAE VOR/DME (IAF)	LUTSY (FB)	157.57 / 14.62	2000									
LUTSY (IF)	BLEIR (FB)	157.13 / 6.00	1600									
1. PT <u>NA</u> SIDE OF COURSE <u>          </u> OUTBOUND <u>          </u> FT WITHIN <u>          </u> MILES OF <u>          </u> (IAF) 2. PROFILE STARTS AT LUTSY 3. FAC: <u>157.14</u> FAF: <u>BLEIR</u> DIST FAF TO MAP: <u>4.38</u> THLD: <u>4.73</u> 4. MIN. ALT: <u>LUTSY 2000, BLEIR 1600</u> 5. DIST TO THLD FROM OM: <u>          </u> MM: <u>          </u> IM: <u>          </u> 150 HAT: <u>          </u> 100 HAT: <u>          </u> GS ANT: <u>          </u> 6. MIN GS INCPT: <u>          </u> GS ALT AT: <u>          </u> OM: <u>          </u> MM: <u>          </u> IM: <u>          </u> 7. GS ANGLE: <u>          </u> TCH: <u>34:1 IS NOT CLEAR</u> 8. MSA FROM: <u>TOYOL 7200</u>				MAG VAR: 17E                      EPOCH YEAR: 2010								
<b>MINIMUMS</b>												
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	@							
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
LNAV MDA	760	1	735	760	1	735	760	2	735	760	2 1/4	735
CIRCLING	880	1	848	880	1 1/4	848	920	2 3/4	888	920	3	888
NOTES: CHART NOTE: CIRCLING NA W OF RWY 16-34. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PAE VOR/DME VIA V23 NORTHBOUND. SEE 8260-10												
CITY AND STATE  <b>RENTON, WA</b>		ELEVATION: 32    TDZE: 25 AIRPORT NAME:  <b>RENTON MUNI</b>		FACILITY IDENTIFIER: <b>RNAV</b>		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) Y RWY 16, AMDT 3</b>  <b>17 DEC 2009</b>			SUP: <b>RNAV (GPS) Y RWY 15</b> AMDT: <b>2</b> DATED <b>11/20/2008</b>			

**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.

**NOTES CONT.****CHART PLAINVIEW NOTE: RADAR REQUIRED FOR TRANSITION TO HAVHO.****CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SEATTLE-TACOMA INTL ALTIMETER SETTING.**

CITY AND STATE

RENTON, WA

**ELEVATION: 32      TDZE: 25**

AIRPORT NAME:

RENTON MUNI

FACILITY  
IDENTIFIER:  
**RNAV**

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

**RNAV (GPS) Y RWY 16, AMDT 3**

17 DEC 2009

SUP: **RNAV (GPS) Y RWY  
15**AMDT: **2**DATED: **11/20/2008**



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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KRNTK1FR16-Y AHAVHO	010H	AVHOK1EA0E	A	IF						18000		B JS	
SUSAP KRNTK1FR16-Y AHAVHO	020L	UTSYK1EA0EE	B	010TF		25320060		+ 02000				B JS	
SUSAP KRNTK1FR16-Y APAE	010PAE	K1D 0V	A	IF						18000		B JS	
SUSAP KRNTK1FR16-Y APAE	020L	UTSYK1EA0EE	B	010TF		15760146		+ 02000				B JS	
SUSAP KRNTK1FR16-Y R	010L	UTSYK1EA0E	I	IF				+ 02000		18000		B JS	
SUSAP KRNTK1FR16-Y R	020B	LEIRK1EA1E	F	051TF		15710060		+ 01600			TOYOL K1EA	B JS	
SUSAP KRNTK1FR16-Y R	020B	LEIRK1EA2WN			N	ALNAV						JS	
SUSAP KRNTK1FR16-Y R	030T	OYOLK1EA0EY	M	031TF		15710044		00187		-304		B JS	
SUSAP KRNTK1FR16-Y R	040C	UPATK1EA0E	M	010DF								B JS	
SUSAP KRNTK1FR16-Y R	050S	ESOYK1EA0EY		010TF		1065		+ 05000				B JS	
SUSAP KRNTK1FR16-Y R	060S	ESOYK1EA0EE		R020HM		10650050		+ 05000				B JS	

[illegible]

QUALITY  
1  
CHECKED

CITY AND STATE  RENTON, WA	ELEVATION: 32      TDZE: 25  AIRPORT NAME:  RENTON MUNI	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  RNAV (GPS) Y RWY 16, AMDT 3  17 DEC 2009	SUP: RNAV (GPS) Y RWY 15
				AMDT: 2
				DATED: 11/20/2008

## 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 airport 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	1	2	3	4	5	6	7	8	9	0	1	2	3
-----													
SUSAP KRNTK1STOYOLK1EA					0	18018007225						M	

CITY AND STATE

RENTON, WA

ELEVATION: 32

TDZE: 25

AIRPORT NAME:

RENTON MUNI

FACILITY  
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 16, AMDT 3

17 DEC 2009

SUP. RNAV (GPS) Y RWY  
15

AMDT: 2

DATED: 11/20/2008

**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 airport 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
	HAVHO	HAVHO	010	IAF	IF		FB				
	HAVHO	LUTSY	020	IF	TF		FB	1.0	253.2 (270T)	006.0	02000
	PAE	PAE	010	IAF	IF		FB				
	PAE	LUTSY	020	IF	TF		FB	1.0	157.6 (175T)	014.6	02000
		LUTSY	010	FACF	IF		FB				02000
		BLEIR	020	FAF	TF		FB	0.5	157.1 (174T)	006.0	01600
		TOYOL	030	MAP	TF		FO	0.3	157.1 (174T)	004.4	00187

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CUPAT	040		DF		FB	1.0			
	SESOY	050		TF		FO	1.0	106.5 (124T)		05000
	SESOY	060		HM	R	FO	2.0	106.5 (124T)	005.0	05000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	PAE	N475511.40	W1221640.20	N4755.190	W12216.670
	BLEIR	N473440.87	W1221342.94	N4734.681	W12213.716
	CUPAT	N472309.33	W1221158.36	N4723.156	W12211.973
	HAVHO	N474038.17	W1220541.36	N4740.636	W12205.689
	LUTSY	N474038.80	W1221437.33	N4740.647	W12214.622
	SESOY	N472117.55	W1220750.39	N4721.293	W12207.840
	TOYOL	N473019.60	W1221303.38	N4730.327	W12213.056
	RW16	N472958.72	W1221300.22	N4729.979	W12213.004

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW16	00024		50

CITY AND STATE  
**RENTON, WA**

**ELEVATION: 32 TDZE: 25**  
**AIRPORT NAME:**  
**RENTON MUNI**

**FACILITY IDENTIFIER:**  
**RNAV**

**PROCEDURE NO./AMDT NO./EFFECTIVE DATE:**  
**RNAV (GPS) Y RWY 16, AMDT 3**  
**17 DEC 2009**

**SUP: RNAV (GPS) Y RWY 15**  
**AMDT: 2**  
**DATED: 11/20/2008**

<b>RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33</b>				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.										
<b>TERMINAL ROUTES</b>								<b>MISSED APPROACH</b>						
FROM		TO		COURSE AND DISTANCE		ALTITUDE		<b>LPV: DA</b>  CLIMB TO 5000 DIRECT CUPAT AND VIA TRACK 106.54 TO SESOY AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000.  ADDITIONAL FLIGHT DATA: HOLD W, RT, 106.46 INBOUND. WAAS CHANNEL # 93610 REFERENCE PATH ID: W16A DISTANCE TO THLD FROM 517 HAT: 1.05NM						
HAVHO (IAF)		LUTSY (FB)		253.15 / 6.04		2000								
PAE VOR/DME (IAF)		LUTSY (FB)		157.57 / 14.62		2000								
LUTSY (IF)		WIBAT (FB)		157.13 / 6.45		2000								
1. PT <u>NA</u> SIDE OF COURSE <u>      </u> OUTBOUND <u>      </u> FT WITHIN <u>      </u> MILES OF <u>      </u> (IAF) 2. PROFILE STARTS AT LUTSY 3. FAC: <u>157.14</u> FAF: <u>      </u> DIST FAF TO MAP: <u>      </u> THLD: <u>      </u> 4. MIN. ALT: <u>LUTSY 2000</u> 5. DIST TO THLD FROM OM: <u>4.28</u> MM: <u>      </u> IM: <u>      </u> 150 HAT: <u>      </u> 100 HAT: <u>      </u> GS ANT: <u>      </u> 6. MIN GS INCPT: <u>2000</u> GS ALT AT: <u>WIBAT 2000</u> OM: <u>      </u> MM: <u>      </u> IM: <u>      </u> 7. GS ANGLE: <u>4.20</u> TCH: <u>50.0</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW16 7200</u>								MAG VAR: 17E      EPOCH YEAR: 2010						
<b>MINIMUMS</b>														
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		
LPV DA	542	1 1/4	517	542	1 1/4	517		NA			NA			
CIRCLING	880	1 1/4	848	880	1 1/4	848		NA			NA			
NOTES: CHART NOTE: CIRCLING NA W OF RWY 16-34. CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PAE VOR/DME VIA V23 NORTHBOUND. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. SEE 8260-10												@ CAT A, B 900-2 @ NA WHEN LOCAL WEATHER NOT AVAILABLE.		QUALITY 2 CHECKED
CITY AND STATE		ELEVATION: 32 TDZE: 25		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP: RNAV (GPS) Z RWY 15				
RENTON, WA		AIRPORT NAME:		RNAV		RNAV (GPS) Z RWY 16, AMDT 1				AMDT: ORIG				
		RENTON MUNI				17 DEC 2009				DATED 11/20/2008				

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

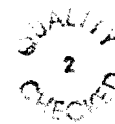
Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except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

## NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SEATTLE-TACOMA INTL ALTIMETER SETTING.

CHART PLANVIEW NOTE: RADAR REQUIRED FOR TRANSITION TO HAVHO.

CHART NOTE: CIRCLING REQUIRES DESCENT ON GS TO CMDA.



CITY AND STATE

RENTON, WA

ELEVATION: 32 TDZE: 25

AIRPORT NAME:

RENTON MUNI

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Z RWY 16, AMDT 1

17 DEC 2009

SUP: RNAV (GPS) Z RWY  
15

AMDT: ORIG

DATED: 11/20/2008

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 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

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KRNT
RUNWAY	RW16
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Z
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W16A
LTP/FTP LATITUDE	472958.7200N
LTP/FTP LONGITUDE	1221300.2200W
LTP/FTP ELLIPSOIDAL HEIGHT	-00158
FPAP LATITUDE	472830.1300N
FPAP LONGITUDE	1221246.8300W
THRESHOLD CROSSING HEIGHT (TCH)	00050.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	04.20
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1200
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
<u>CRC REMAINDER</u>	1D1E6286

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+00073
FPAP ORTHOMETRIC HEIGHT	+00073

CITY AND STATE RENTON, WA	ELEVATION: 32 TDZE: 25 AIRPORT NAME: RENTON MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Z RWY 16, AMDT 1 17 DEC 2009	SUP: RNAV (GPS) Z RWY 15
				AMDT: ORIG
				DATED: 11/20/2008

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, "CH, 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.

[illegible]

QUALITY  
CHECKED

CITY AND STATE  RENTON, WA	ELEVATION: 32      TDZE: 25  AIRPORT NAME:  RENTON MUNI	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:  RNAV (GPS) Z RWY 16, AMDT 1  17 DEC 2009	SUP: RNAV (GPS) Z RWY 15
				AMDT: ORIG
				DATED: 11/20/2008

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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible]

SUP:	RNAV (GPS) Z RWY 15
AMDT:	ORIG
DATED:	11/20/2008



**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 airport 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
	HAVHO	HAVHO	010	IAF	IF		FB				
	HAVHO	LUTSY	020	IF	TF		FB	1.0	253.2 270T)	006.0	02000
	PAE	PAE	010	IAF	IF		FB				
	PAE	LUTSY	020	IF	TF		FB	1.0	157.6 175T)	014.6	02000
		LUTSY	010	FACF	IF		FB				02000
		WIBAT	020	FAF	TF		FB	0.5	157.1 174T)	006.5	02000
		RW16	030	MAP	TF		FO	0.3	157.1 174T)	004.3	00074

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CUPAT	040		DF		FB	1.0			
	SESOY	050		TF		FO	1.0	106.5 124T)		05000
	SESOY	060		HM	R	FO	2.0	106.5 124T)	005.0	05000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	PAE	N475511.40	W1221640.20	N4755.190	W12216.670
	CUPAT	N472309.33	W1221158.36	N4723.156	W12211.973
	HAVHO	N474038.17	W1220541.36	N4740.636	W12205.689
	LUTSY	N474038.80	W1221437.33	N4740.647	W12214.622
	SESOY	N472117.55	W1220750.39	N4721.293	W12207.840
	WIBAT	N473414.03	W1221338.87	N4734.234	W12213.648
	RW16	N472958.72	W1221300.22	N4729.979	W12213.004

RUNWAY DATA	THRESHOLD	
	RWY	ELEVATION TCH
RW16	00024	50

CITY AND STATE  
**RENTON, WA**

ELEVATION: 32 TDZE: 25  
 AIRPORT NAME:  
**RENTON MUNI**

FACILITY  
 IDENTIFIER:  
**RNAV**

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
**RNAV (GPS) Z RWY 16, AMDT 1**  
**17 DEC 2009**

SUP: **RNAV (GPS) Z RWY 15**  
 AMDT: **ORIG**  
 DATED: **11/20/2008**

## 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 16, STANDARD WITH A MINIMUM CLIMB OF 405 FEET PER NM TO 800 OR 1100 - 2 1/2 FOR CLIMB IN VISUAL CONDITIONS.

RWY 34, 500 - 2 3/4 OR STANDARD WITH A MINIMUM CLIMB OF 315 FEET PER NM TO 700.

### (2) TEXTUAL DEPARTURE PROCEDURE:

RWY 16 - CLIMB HEADING 157.15 TO 700, THEN CLIMBING RIGHT TURN DIRECT SEA VORTAC, THENCE..., OR FOR CLIMB IN VISUAL CONDITIONS: CROSS RENTON MUNI AIRPORT WESTBOUND AT OR ABOVE 1000 MSL, THEN PROCEED VIA SEA R-029 TO SEA VORTAC, THENCE...

RWY 34 - CLIMB HEADING 337.15 TO 700, THEN CLIMBING LEFT TURN DIRECT SEA VORTAC, THENCE...

...CLIMB IN SEA VORTAC HOLDING PATTERN (E, LT, 290.00 INBOUND) TO CROSS SEA VORTAC AT OR ABOVE MEA/MCA FOR DIRECTION OF FLIGHT.

### (3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 16, TREES, TOWERS, LIGHTS, AND BLAST SHIELD BEGINNING 185' FROM DER, 4' LEFT OF CENTERLINE, UP TO 100' AGL/574' MSL.

TREES, LIGHTS, AND SIGN BEGINNING 40' FROM DER, 54' RIGHT OF CENTERLINE, UP TO 100' AGL/297' MSL.

NOTE: RWY 34, TREES AND TERRAIN BEGINNING 1.6 NM FROM DER, 104' LEFT OF CENTERLINE, UP TO 100' AGL/485' MSL. TREES, TERRAIN, AND WOOD PILING BEGINNING 75' FROM DER, 7' RIGHT OF CENTERLINE, UP TO 100' AGL/426' MSL.

### (4) CONTROLLING OBSTACLES:

RWY 16: 549 MSL, TREE, 472733.00N-1221154.00W, 14410 MSL, TERRAIN 465107.40N-12114521.90W

RWY 16: (VCOA) 674 MSL, TREE 473140.00N-1220917.00W

RWY 34: 473 MSL TREE 473152.36N-1221341.81W, 14410 MSL, TERRAIN 465107.40N-1214521.90W, 455 MSL TREE 473234.69N-1221301.33W

(5) City, State <b>RENTON, WA</b>	(6) Airport <b>RENTON MUNI</b>	(7) Effective Date <b>17 DEC 2009</b>	(8) Amdt. No. <b>7</b>
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QUALITY  
2  
CHECKED

<b>U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION</b> <b>VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE</b> <b>FLIGHT STANDARDS SERVICE - FAR PART 97.23</b>										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.											
<b>TERMINAL ROUTES</b>										<b>MISSED APPROACH</b>											
FROM		TO			COURSE AND DISTANCE				ALTITUDE		MAP: IKMIQ/0.71 DME										
EAT VOR/DME		CEXOS/5.00 DME			105.00 / 5.00				5800		CLIMB TO 3900 THEN CLIMBING LEFT TURN TO 6000 DIRECT EAT VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 6000.  ADDITIONAL FLIGHT DATA: HOLD E, RT, 253.00 INBOUND. CHART FAS OBST: 2455 BUSH 472051N/1200833W CHART 5200 PRIOR TO CEXOS IN PROFILE. FAC CROSSES INTERSECTION OF RWYS 12-30 AND 7-25. CHART (CIXUX) AT INTERSECTION OF DR LEG AND INTERMEDIATE COURSE. CHART (DMMLR) AT INTERSECTION OF DR LEG AND INTERMEDIATE COURSE.										
COYYA INT/18.52 DME (IAF)		CRUMM/12.77 DME (NOPT)			240.00 / 1.83 (HDG) & 285.00 / 4.42 (EAT R-105)				4800												
QUINT INT/16.63 DME (IAF)		CRUMM/12.77 DME (NOPT)			335.00 / 3.02 (HDG) & 285.00 / 1.75 (EAT R-105)				4800												
CRUMM/12.77 DME (IF)		CEXOS/5.00 DME			285.00 / 7.77 (EAT R-105)				3800												
1. PT <u>L</u> SIDE OF COURSE <u>105.00</u> OUTBOUND <u>4800</u> FT WITHIN <u>10</u> MILES OF <u>CEXOS</u> (IAF) 2. _____ 3. FAC <u>285.00</u> FAF <u>CEXOS/5.00 DME</u> DIST FAF TO MAP _____ THLD _____ 4. MIN. ALT <u>CEXOS 3800</u> 8. MSA FROM: <u>EAT VOR/DME 360-090 5500, 090-180 7800, 180-360 10700</u>										MAG VAR: 19E EPOCH YEAR: 1995											
<b>MINIMUMS</b>																					
TAKEOFF:		STANDARD		X		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						
CIRCLING	3180	1 1/4	1931	3180	1 1/2	1931	3180	3	1931	3180	3	1931									
NOTES: CHART NOTE: CIRCLING NA NE OF RWY 12-30. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE EPHRATA ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET.																@ CAT A, B 2000-2, CAT C, D 2000-3					
CITY AND STATE WENATCHEE, WA				ELEVATION: 1249 TDZE: AIRPORT NAME: PANGBORN MEMORIAL				FACILITY IDENTIFIER: EAT				PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME-A, AMDT 8 17 DEC 2009				SUP VOR OR GPS-A					
																AMDT 7					
																DATE 07/05/2007					

QUALITY  
6  
CHECKED

CITY AND STATE

WENATCHEE, WA

ELEVATION: 1249 TDZE:

AIRPORT NAME:

PANGBORN MEMORIAL

FACILITY  
IDENTIFIER:

EAT

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

VOR/DME-A, AMDT 8

17 DEC 2009

SUP: VOR OR GPS-A

AMDT: 7

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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

1. PT	NA	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2.	PROFILE STARTS AT HEMOL/15.00 DME					
3. FAC	100.00	FAF	ROSTB/6.10 DME	DIST FAF TO MAP		THLD
4. MIN. ALT	HEMOL 6500, IZROM 5700, ROSTB 4700					
8. MSA FROM:	EAT VOR/DME 360-090 5500, 090-180 7800, 180-360 10700					
						MAG VAR: 19E EPOCH YEAR:1995

[illegible]

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

PAGE 1 OF 1 PAGES



## 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, 13, 21, 31 STANDARD.

### (2) TEXTUAL DEPARTURE PROCEDURE:

### (3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 13, VEHICLE ON ROAD 744' FROM DER, WEST TO EAST, 15' AGL/764' MSL. TREES BEGINNING 302' FROM DER, 105' LEFT OF CENTERLINE, UP TO 56' AGL/796' MSL.

NOTE: RWY 21, VEHICLE ON ROAD 143' FROM DER, EAST TO NORTHWEST, 15' AGL/774' MSL. TREE 230' FROM DER, 377' RIGHT OF CENTERLINE, 27' AGL/767' MSL. TREES 1475' FROM DER, 291' RIGHT OF CENTERLINE, 92' AGL/792' MSL. TOWER 5414' FROM DER, 1625' RIGHT OF CENTERLINE, 133' AGL/883' MSL. OL ON LOCALIZER, 157' FROM DER, 4' LEFT OF CENTERLINE, 11' AGL/750' MSL. TREES 1709' FROM DER, 35' LEFT OF CENTERLINE, 83' AGL/794' MSL. NOTE: RWY 31, POLE 405' FROM DER, 40' RIGHT OF CENTERLINE, 27' AGL/777' MSL. TREES 70' FROM DER, 352' RIGHT OF CENTERLINE, 56' AGL/806' MSL. TREES 1345' FROM DER, 482' RIGHT OF CENTERLINE, 76' AGL/826' MSL. TREES 2227' FROM DER, 17' RIGHT OF CENTERLINE, 71' AGL/821' MSL. TREES 1604' FROM DER, 32' LEFT OF CENTERLINE, 92' AGL/842' MSL. (CONT.)

### (4) CONTROLLING OBSTACLES:

(5) City, State

SHEBOYGAN, WI

(6) Airport

SHEBOYGAN COUNTY MEMORIAL

(7) Effective Date

17 DEC 2009

(8) Amdt. No.

1

QUALITY  
2  
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION  
**DEPARTURE PROCEDURE (CONTINUATION FAA FORM 8260-15A)**  
**FLIGHT STANDARDS SERVICE**

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.) TOWER 4606' FROM DER, 920' LEFT OF CENTERLINE, 139' AGL/889' MSL.

City, State <b>SHEBOYGAN, WI</b>		Airport <b>SHEBOYGAN COUNTY MEMORIAL</b>		Effective Date <b>17 DEC 2009</b>	Amdt. No. <b>2</b>
DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date



<b>RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33</b>				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.								
<b>TERMINAL ROUTES</b>				<b>MISSED APPROACH</b>								
FROM	TO	COURSE AND DISTANCE	ALTITUDE	<b>LNAV: CERSU</b>  <b>CLIMB TO 10000 DIRECT PENCI AND RIGHT TURN VIA TRACK 229.27 TO BPI VOR/DME AND HOLD.</b>  <b>ADDITIONAL FLIGHT DATA:</b> HOLD SE, RT, 301.00 INBOUND. CHART FAS OBST: 7364 TREE 424918N/1095234W 7819 AAO 424917N/1095428W. CHART VDP AT 1.04 MILES TO CERSU. HONLI TO RW11: 3.07/41. FAC CROSSES RWY C/L EXTENDED 3000 FROM THLD.								
IDECA (IAF)	VATCU (FB)	052.58 / 11.63	10000									
VATCU (IF)	UBAKE (FB)	118.43 / 4.00	9400									
UBAKE	HONLI (FB)	118.48 / 2.20	9100									
1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF) 2. PROFILE STARTS AT VATCU 3. FAC: 118.51 FAF: HONLI DIST FAF TO MAP: 5.55 THLD: 6.03 4. MIN. ALT: VATCU 10000, UBAKE 9400, HONLI 9100, DOYED/2.80 NM TO CERSU 8200 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: CERSU 15100				MAG VAR: 13E EPOCH YEAR: 2005								
<b>MINIMUMS</b>												
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	<b>STANDARD @</b>							
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
LNAV MDA	7620	1	518	7620	1	518	7620	1 1/2	518	7620	1 3/4	518
CIRCLING	7760	1	658	7820	1	718	7840	2	738	7860	2 1/2	758
NOTES: CHART NOTE: CIRCLING NA AT NIGHT. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VDP NA WHEN USING MILEY MEMORIAL FIELD ALTIMETER SETTING. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MILEY MEMORIAL FIELD ALTIMETER SETTING <b>AND INCREASE ALL MDA 60 FEET AND CIRCLING CATS B/C/D VISIBILITY 1/4 MILE.</b>												
CITY AND STATE			ELEVATION: 7102 TDZE: 7102		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:			SUP:		
PINEDALE, WY			AIRPORT NAME:		RNAV		RNAV (GPS) RWY 11, AMDT 1			AMDT: ORIG-A		
			PINEDALE/RALPH WENZ FIELD				17 DEC 2009			DATED 03/15/2007		

 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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KPNAK1FR11	AIDECA	010IDEC	AK1EA0E	A	IF					18000		B	JS
SUSAP KPNAK1FR11	AIDECA	020VATC	UK1EA0EE		010TF		05260116	+	10000			B	JS
SUSAP KPNAK1FR11	R	010VATC	UK1EA0E	I	IF			+	10000	18000		B	JS
SUSAP KPNAK1FR11	R	011UBAKE	K1EA0E	S	051TF		11840040	+	09400			B	JS
SUSAP KPNAK1FR11	R	020HONLI	K1EA1E	F	051TF		11850022	+	09100		CERSU K1EA	B	JS
SUSAP KPNAK1FR11	R	020HONLI	K1EA2WN			N	ALNAV						JS
SUSAP KPNAK1FR11	R	021DOYED	K1EA0E	S	031TF		11650028	V	0820008216		-307	B	JS
SUSAP KPNAK1FR11	R	030CERSU	K1EA0EY	M	031TF		11850028		07294		-307	B	JS
SUSAP KPNAK1FR11	R	040PENC	I K1EA0E	M	010DF							B	JS
SUSAP KPNAK1FR11	R	050BPI	K1D	OVY	R010TFY		2293	+	10000			B	JS
SUSAP KPNAK1FR11	R	060BPI	K1D	OVE	R020HM		30100070	+	10000			B	JS

QUALITY  
CHECKED

CITY AND STATE  PINEDALE, WY	ELEVATION: 7102    TDZE: 7102 AIRPORT NAME:  PINEDALE/RALPH WENZ FIELD	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  RNAV (GPS) RWY 11, AMDT 1  17 DEC 2009	SUP:
				AMDT:    ORIG-A
				DATED:    03/15/2007

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

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	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
-----													
	SUSAP KPNAK1GRW11	0089001106	N42481494W109492948-0300	+2153007092000041100R									
-----													
	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
-----													
	SUSAP KPNAK1SCERSUK1EA	0	18018015125	M									

CITY AND STATE

PINEDALE, WY

ELEVATION: 7102 TDZE: 7102

AIRPORT NAME:

PINEDALE/RALPH WENZ FIELD

FACILITY  
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 11, AMDT 1

17 DEC 2009

SUP:

AMDT: ORIG-A

DATED: 03/15/2007

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

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	IDECA	IDECA	010	IAF	IF		FB				
	IDECA	VATCU	020		TF		FB	1.0	052.6 (066T)	011.6	10000
		VATCU	010	FACF	IF		FB				10000
		UBAKE	011	SDF	TF		FB	0.5	118.4 (131T)	004.0	09400
		HONLI	020	FAF	TF		FB	0.5	118.5 (132T)	002.2	09100
		DOYED	021	SDF	TF		FB	0.3	116.5 (130T)	002.8	0820008216
		CERSU	030	MAP	TF		FO	0.3	118.5 (132T)	002.8	07294

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	PENCI	040		DF		FB	1.0			
	BPI	050		TF	R	FO	1.0	229.3 (242T)		10000
	BPI	060		HM	R	FO	2.0	301.0 (314T)	007.0	10000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BPI	N423446.00	W1100633.20	N4234.767	W11006.553
	CERSU	N424831.32	W1095003.01	N4248.522	W10950.050
	DOYED	N425022.79	W1095253.85	N4250.380	W10952.898
	HONLI	N425212.01	W1095541.51	N4252.200	W10955.692
	IDECA	N425131.06	W1101625.75	N4251.518	W11016.429
	PENCI	N424356.32	W1094302.74	N4243.939	W10943.046
	UBAKE	N425339.68	W1095756.28	N4253.661	W10957.938
	VATCU	N425618.61	W1100201.07	N4256.310	W11002.018
	RW11	N424814.94	W1094929.48	N4248.249	W10949.491

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW11	07092	41

CITY AND STATE  
 PINEDALE, WY

ELEVATION: 7102 TDZE: 7102  
 AIRPORT NAME:  
 PINEDALE/RALPH WENZ FIELD

FACILITY  
 IDENTIFIER:  
 RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
 RNAV (GPS) RWY 11, AMDT 1  
 17 DEC 2009

SUP:  
 AMDT: ORIG-A  
 DATED: 03/15/2007

US DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	<b>LNAV: RW29</b>  <b>CLIMB TO 10000 DIRECT WUSEP AND VIA TRACK 200.93 TO BPI VOR/DME AND HOLD.</b>  <b>ADDITIONAL FLIGHT DATA:</b> <b>HOLD SE, RT, 301.00 INBOUND.</b> <b>CHART FAS OBST: 7284 TREE 424656N/1094422W</b> <b>CHART VDP AT 1.56 MILES TO RW29.</b> <b>PINIY TO RW29: 3.06/55.</b>
SEYTO	DEGAC (FB)	023.46 / 12.68	9600	
DEGAC (IAF)	COTDA (FB)	023.63 / 9.86	9400	
COTDA (IF)	FEDPA (FB)	290.73 / 3.11	8900	
FEDPA	PINIY (FB)	290.69 / 3.03	8700	

1. PT NA SIDE OF COURSE            OUTBOUND            FT WITHIN            MILES OF            (IAF)
2. PROFILE STARTS AT COTDA
3. FAC: 290.65 FAF: PINIY DIST FAF TO MAP: 4.86 THLD: 4.86
4. MIN. ALT: COTDA 9400, FEDPA 8900, PINIY 8700
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 15100

MAG VAR: 13E

EPOCH YEAR: 2005

**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	7600	1	519	7600	1	519	7600	1 1/2	519	7600	1 3/4	519				
CIRCLING	7760	1	658	7820	1	718	7840	2	738	7860	2 1/2	758				

NOTES:  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART NOTE: PROCEDURE NA AT NIGHT.  
 CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.  
 CHART NOTE: VDP NA WHEN USING MILEY MEMORIAL FIELD ALTIMETER SETTING.  
 SEE 8260-10

@ CAT D 800-2 1/2  
 @ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY  
2  
CHECKED

CITY AND STATE	ELEVATION: 7102 TDZE: 7081	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: RNAV (GPS) RWY 29, AMDT 1 17 DEC 2009	SUP: AMD'T: ORIG-A DATED 03/15/2007
PINEDALE, WY	AIRPORT NAME: PINEDALE/RALPH WENZ FIELD			

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

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## NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MILEY MEMORIAL FIELD ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET AND CIRCLING CATS B/C/D VISIBILITY 1/4 MILE.

CITY AND STATE

PINEDALE, WY

ELEVATION: 7102 TDZE: 7081

AIRPORT NAME:

PINEDALE/RALPH WENZ FIELD

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 29, AMDT 1

17 DEC 2009

SUP:

AMDT: ORIG-A

DATED: 03/15/2007

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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KPNAK1FR29	ASEYTO	010SEYTOK1EA0E	IF						18000		B JS	
SUSAP	KPNAK1FR29	ASEYTO	020DEGACK1EA0E	A 020TF			02350127	+ 09600				B JS	
SUSAP	KPNAK1FR29	ASEYTO	030COTDAK1EA0EE	010TF			02360099	+ 09400				B JS	
SUSAP	KPNAK1FR29	R	010COTDAK1EA0E	I IF				+ 09400		18000		B JS	
SUSAP	KPNAK1FR29	R	011FEDPAK1EA0E	S 051TF			29070031	+ 08900				B JS	
SUSAP	KPNAK1FR29	R	020PINIYK1EA1E	F 051TF			29070030	+ 08700			RW29	K1PGB JS	
SUSAP	KPNAK1FR29	R	020PINIYK1EA2WN		N	ALNAV						JS	
SUSAP	KPNAK1FR29	R	030RW29 K1PG0GY	M 031TF			29070049		07120		-306	B JS	
SUSAP	KPNAK1FR29	R	040WUSEPK1EA0E	M 010DF								B JS	
SUSAP	KPNAK1FR29	R	050BPI	K1D 0VY 010TF			2009	+ 10000				B JS	
SUSAP	KPNAK1FR29	R	060BPI	K1D 0VE R020HM			30100070	+ 10000				B JS	

[illegible]

QUALITY  
CHECKED

CITY AND STATE  PINEDALE, WY	ELEVATION: 7102      TDZE: 7081  AIRPORT NAME:  PINEDALE/RALPH WENZ FIELD	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  RNAV (GPS) RWY 29, AMDT 1  17 DEC 2009	SUP:
				AMDT:      ORIG-A
				DATED:      03/15/2007

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

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	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	1	2	3	4	5	6	7	8	9	0	1	2	3
-----													
SUSAP KPNK1SRW29 K1PG				0	1	8	0	1	5	1	2		M

QUALITY  
CHECKED

CITY AND STATE PINEDALE, WY	ELEVATION: 7102 TDZE: 7081 AIRPORT NAME: PINEDALE/RALPH WENZ FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 29, AMDT 1 17 DEC 2009	SUP:
				AMDT: ORIG-A
				DATED: 03/15/2007



**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 airport 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
	SEYTO	SEYTO	010		IF		FB				
	SEYTO	DEGAC	020	IAF	TF		FB	2.0	023.5 (037T)	012.7	09600
	SEYTO	COTDA	030		TF		FB	1.0	023.6 (037T)	009.9	09400
		COTDA	010	FACF	IF		FB				09400
		FEDPA	011	SDF	TF		FB	0.5	290.7 (304T)	003.1	08900
		PINIY	020	FAF	TF		FB	0.5	290.7 (304T)	003.0	08700
		RW29	030	MAP	TF		FO	0.3	290.7 (304T)	004.9	07120

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	WUSEP	040		DF		FB	1.0			
	BPI	050		TF		FO	1.0	200.9 (214T)		10000
	BPI	060		HM	R	FO	2.0	301.0 (314T)	007.0	10000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BPI	N423446.00	W1100633.20	N4234.767	W11006.553
	COTDA	N424120.41	W1093524.59	N4241.340	W10935.410
	DEGAC	N423325.93	W1094323.11	N4233.432	W10943.385
	FEDPA	N424304.00	W1093855.11	N4243.067	W10938.919
	PINIY	N424444.70	W1094220.15	N4244.745	W10942.336
	SEYTO	N422314.05	W1095335.03	N4223.234	W10953.584
	WUSEP	N424952.32	W1095248.94	N4249.872	W10952.816
	RW29	N424726.33	W1094750.07	N4247.439	W10947.835

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW29	07065	55



CITY AND STATE  
 PINEDALE, WY

ELEVATION: 7102 TDZE: 7081  
 AIRPORT NAME:  
 PINEDALE/RALPH WENZ FIELD

FACILITY  
 IDENTIFIER:  
 RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
 RNAV (GPS) RWY 29, AMDT 1  
 17 DEC 2009

SUP:  
 AMDT: ORIG-A  
 DATED: 03/15/2007

[4910-13]

DEPARTMENT OF TRANSPORTATION

14 CFR Part 97

[Docket No. 30695; Amdt. No.3347]

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](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](http://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 Friday, October 30, 2009.

A handwritten signature in cursive script that reads "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
17-Dec-09	VA	MARKS MUNI	CLARKSVILLE	9/6483	10/9/09	GPS RWY 4, ORIG
17-Dec-09	VA	MARKS MUNI	CLARKSVILLE	9/6484	10/16/09	RNAV (GPS) RWY 7, ORIG
17-Dec-09	RI	QUONSET STATE	WATERVILLE ROBERT LAFLEUR	9/5393	10/21/09	RNAV (GPS) RWY 23, ORIG
17-Dec-09	ME	WATERVILLE ROBERT LAFLEUR	WATERVILLE	9/5104	10/21/09	RNAV (GPS) RWY 23, ORIG
17-Dec-09	NH	LEBANON	LEBANON MUNI	9/4894	10/23/09	RNAV (GPS) RWY 7, ORIG
17-Dec-09	TX	DENTON	DENTON MUNI	9/4809	10/23/09	NDB OR GPS RWY 17, AMDT 6C
17-Dec-09	AR	MEMORIAL FIELD	HOT SPRINGS	9/4462	10/23/09	VOR RWY 5, AMDT 4A...
17-Dec-09	CT	HURON	HURON REGIONAL	9/2314	10/23/09	RNAV (GPS) RWY 30, AMDT 1
17-Dec-09	TX	DAVID WAYNE HOOKS MEMORIAL	HOUSTON	9/1783	10/23/09	LOC RWY 17R, AMDT 1
17-Dec-09	NC	ANDREWS-MURPHY	ANDREWS	9/1638	10/23/09	RNAV (GPS) RWY 8, ORIG
17-Dec-09	MI	DETROIT METROPOLITAN WAYNE COUNTY	DETROIT	9/0508	10/23/09	ILS PRM RWY 4L (SIMULTANEOUS CLOSE PARALLEL), ORIG
17-Dec-09	MI	DETROIT METROPOLITAN WAYNE COUNTY	DETROIT	9/0507	10/23/09	ILS OR LOC Z RWY 4L, AMDT 3
17-Dec-09	MI	DETROIT METROPOLITAN WAYNE COUNTY	DETROIT	9/0506	10/23/09	ILS PRM RWY 22R (SIMULTANEOUS CLOSE PARALLEL), ORIG...



17-Dec-09	MI	DETROIT METROPOLITA N WAYNE COUNTY	DETROIT	9/0505	10/23/09	ILS OR LOC Z RWY 22R, AMDT 2
17-Dec-09	AL	MARION COUNTY- RANKIN FITE	HAMILTON	9/2985	10/23/09	RNAV (GPS) RWY 18, ORIG-A

**12/17/09 Airac Date**

FDC 9/6483 W63 FI/P MARKS MUNI, CLARKSVILLE, VA. GPS RWY 4, ORIG...CHANGE ALL REFERENCES TO MARKS MUNI TO LAKE COUNTRY REGIONAL. THIS IS GPS RWY 4, ORIG-A.

FDC 9/6484 W63 FI/P MARKS MUNI, CLARKSVILLE, VA. VOR/DME A, ORIG...CHANGE ALL REFERENCES TO MARKS MUNI TO LAKE COUNTRY REGIONAL. THIS IS VOR/DME A, ORIG-A.

FDC 9/5393 OQU FI/P QUONSET STATE, NORTH KINGSTOWN, RI. ILS OR LOC RWY 16, AMDT 10...DELETE NOTE: S-ILS 16 NA WHEN CONTROL TOWER CLOSED. DELETE IN PLANVIEW: ORW R-070 AT SALME INT, ORW R-084 AT FALAG, ORW R-093 AT BEYEL INT. THIS IS ILS OR LOC RWY 16, AMDT 10A.

FDC 9/5179 EZI FI/P KEWANEE MUNI, KEWANEE, IL. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES...NOTE: RWY 27, POWERLINES AND UTILITY POLE BEGINNING 1424 FEET FROM DEPARTURE END OF RUNWAY, 100 FEET RIGHT OF CENTERLINE, UP TO 79 FEET AGL/925 FEET MSL. POWERLINES 2215 FEET FROM DEPARTURE END OF RUNWAY, 432 FEET LEFT OF CENTERLINE, 79 FEET AGL/916 FEET MSL. TREE 2212 FEET FROM DEPARTURE END OF RUNWAY, 972 FEET LEFT OF CENTERLINE, 100 FEET AGL/933 FEET MSL. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, ORIG A.

FDC 9/5104 WVL FI/P WATERVILLE ROBERT LAFLEUR, WATERVILLE, ME. RNAV (GPS) RWY 23, ORIG...DELETE NOTE: IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE AUGUSTA ALTIMETER SETTING AND INCREASE LPV DA TO 618 FEET AND ALL MDA 40 FEET. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE AUGUSTA ALTIMETER SETTING AND INCREASE LPV DA TO 618 FEET AND ALL MDA 40 FEET; INCREASE LPV ALL CATS AND LNAV CAT C VISIBILITY 1/4 MILE. THIS IS RNAV (GPS) RWY 23, ORIG-A.

FDC 9/4894 LEB FI/P LEBANON MUNI, LEBANON, NH. RNAV (GPS) RWY 7, ORIG...DELETE PROFILE NOTE: VGSI AND RNAV DESCENT ANGLES NOT COINCIDENT. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. THIS IS RNAV (GPS) RWY 7, ORIG-A.

FDC 9/4809 DTO FI/P DENTON MUNI, DENTON, TX. NDB OR GPS RWY 17, AMDT 6C...S-17 MDA 1260/HAT 618 ALL CATS. VIS CAT C 1 1/4, VIS CAT D 1 3/4. CIRCLING MDA CATS A/B/C/ 1260/HAA 618. VIS CAT C 1 3/4. CHART FAS OBST: 941 ANTENNA 331412N/0971041W. THIS IS NDB OR GPS RWY 17, AMDT 6D.

FDC 9/4462 HOT FI/P MEMORIAL FIELD, HOT SPRINGS, AR. ZAPLE VOR RWY 5, AMDT 4A...CHART PLANVIEW NOTE: ADF OR DME REQUIRED. THIS IS ZAPLE VOR RWY 5, AMDT 4B

FDC 9/3449 LZD FI/P DANIELSON, DANIELSON, CT. VOR A, AMDT 6C...DELETE NOTE: USE WILLIMANTIC ALTIMETER SETTING. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WILLIMANTIC ALTIMETER SETTING. THIS IS VOR A, AMDT 6D.

FDC 9/2314 HON FI/P HURON REGIONAL, HURON, SD. RNAV (GPS) RWY 30, AMDT 1...LPV DA 1559/HAT 273 ALL CATS. LNAV/VNAV DA 1721/HAT 435 ALL CATS. CIRCLING CATS A/B VISIBILITY 1. DELETE NOTE: IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE MITCHELL MUNI ALTIMETER SETTING AND INCREASE ALL DAS/MDAS 100 FEET. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MITCHELL MUNI ALTIMETER SETTING AND INCREASE ALL DA 89 FEET AND ALL MDA 100 FEET, INCREASE LPV AND LNAV/VNAV ALL CATS, LNAV CATS C/D, AND CIRCLING CATS C/D VISIBILITY 1/4 MILE. DELETE NOTE: BARO-VNAV NA BELOW -18C (0F). CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2 F) OR ABOVE 46C (114F). DIST TO THLD FROM 273 HAT: .71NM DELETE VDP AT 1.3 MILES TO RWY 30 (ASTERISK) LNAV ONLY. DELETE NOTE: BARO-VNAV AND VDP NA WHEN USING MITCHELL MUNI ALTIMETER SETTING. CHART NOTE: BARO-VNAV NA WHEN USING MITCHELL MUNI ALTIMETER SETTING. THIS IS RNAV (GPS) RWY 30, AMDT 1A.

FDC 9/1783 DWH FI/P DAVID WAYNE HOOKS MEMORIAL, HOUSTON, TX. LOC RWY 17R, AMDT 1...S-17R MDA 640/HAT 488 ALL CATS. FLIKA TO R17R: 3.07/52 THIS IS LOC RWY 17R, AMDT 1A.

FDC 9/2314 HON FI/P HURON REGIONAL, HURON, SD. RNAV (GPS) RWY 30, AMDT 1...LPV DA 1559/HAT 273 ALL CATS. LNAV/VNAV DA 1721/HAT 435 ALL CATS. CIRCLING CATS A/B VISIBILITY 1. DELETE NOTE: IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE MITCHELL MUNI ALTIMETER SETTING AND INCREASE ALL DAS/MDAS 100 FEET. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MITCHELL MUNI ALTIMETER SETTING AND INCREASE ALL DA 89 FEET AND ALL MDA 100 FEET, INCREASE LPV AND LNAV/VNAV ALL CATS, LNAV CATS C/D, AND CIRCLING CATS C/D VISIBILITY 1/4 MILE. DELETE NOTE: BARO-VNAV NA BELOW -18C (0F). CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2 F) OR ABOVE 46C (114F). DIST TO THLD FROM 273 HAT: .71NM DELETE VDP AT 1.3 MILES TO RWY 30 (ASTERISK) LNAV ONLY. DELETE NOTE: BARO-VNAV AND VDP NA WHEN

USING MITCHELL MUNI ALTIMETER SETTING. CHART NOTE: BARO-VNAV NA WHEN USING MITCHELL MUNI ALTIMETER SETTING. THIS IS RNAV (GPS) RWY 30, AMDT 1A.

FDC 9/1638 RHP FI/P ANDREWS-MURPHY, ANDREWS, NC. RNAV (GPS) RWY 8, ORIG...CHANGE ALL REFERENCES TO ANDREWS-MURPHY TO WESTERN CAROLINA RGNL. DELETE NOTE: GPS OR RNP-0.3 REQUIRED. CHANGE ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA. THIS IS RNAV (GPS) RWY 8, ORIG-A.

FDC 9/0508 DTW FI/P DETROIT METROPOLITAN WAYNE COUNTY, DETROIT, MI. ILS PRM RWY 4L (SIMULTANEOUS CLOSE PARALLEL), ORIG...CHANGE ALL REFERENCE TO ILS PRM RWY 4L (SIMULTANEOUS CLOSE PARALLEL) TO ILS Y PRM RWY 4L (SIMULTANEOUS CLOSE PARALLEL). THIS IS ILS Y PRM RWY 4L (SIMULTANEOUS CLOSE PARALLEL), ORIG-A

FDC 9/0507 DTW FI/P DETROIT METROPOLITAN WAYNE COUNTY, DETROIT, MI. ILS OR LOC Z RWY 4L, AMDT 3...CHANGE ALL REFERENCE TO ILS OR LOC Z RWY 4L TO ILS Z OR LOC RWY 4L. THIS IS ILS Z OR LOC RWY 4L, AMDT 3A.

FDC 9/0506 DTW FI/P DETROIT METROPOLITAN WAYNE COUNTY, DETROIT, MI. ILS PRM RWY 22R (SIMULTANEOUS CLOSE PARALLEL), ORIG...CHANGE ALL REFERENCE TO ILS PRM RWY 22R (SIMULTANEOUS CLOSE PARALLEL) TO ILS Y PRM RWY 22R (SIMULTANEOUS CLOSE PARALLEL). THIS IS ILS Y PRM RWY 22R (SIMULTANEOUS CLOSE PARALLEL), ORIG-A.

FDC 9/0505 DTW FI/P DETROIT METROPOLITAN WAYNE COUNTY, DETROIT, MI. ILS OR LOC Z RWY 22R, AMDT 2...CHANGE ALL REFERENCE TO ILS OR LOC Z RWY 22R TO ILS Z OR LOC RWY 22R. THIS IS ILS Z OR LOC RWY 22R, AMDT 2A.

FDC 9/2958 HAB FI/P MARION COUNTY-RANKIN FITE, HAMILTON, AL. RNAV (GPS) RWY 18, ORIG-A...LNAV: MDA 1140/HAT 704 ALL CATS, VISIBILITY CAT B 1, CAT C 2, CAT D 2 1/4. DELETE NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF. WHEN NOT RECEIVED, USE TUPELO ALTIMETER SETTING AND INCREASE ALL MDA 120 FEET, INCREASE LNAV MDA AND CIRCLING CATS C, D VISIBILITY 1/4 MILE. CHART NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF. WHEN NOT RECEIVED, USE TUPELO ALTIMETER SETTING AND INCREASE ALL MDA 120 FEET, INCREASE LNAV MDA VISIBILITY CAT B 1/4 MILE, CAT C, D 1/2 MILE AND CIRCLING VISIBILITY CATS A, D 1/4 MILE, CAT C 1/2 MILE. THIS IS RNAV (GPS) RWY 18, ORIG-B.